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BOUDREAU et al.(10) **Pub. No.: US 2015/0236276 A1**(43) **Pub. Date: Aug. 20, 2015**(54) **ORGANIC ELECTROLUMINESCENT
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(2013.01)(57) **ABSTRACT**

The present invention relates to metal complexes having novel ligands. The compounds are useful in organic light emitting devices (OLEDs), particularly as emitting dopants. The incorporation of these novel ligands provides red phosphorescent materials with good external quantum efficiency, good color, and long lifetime.

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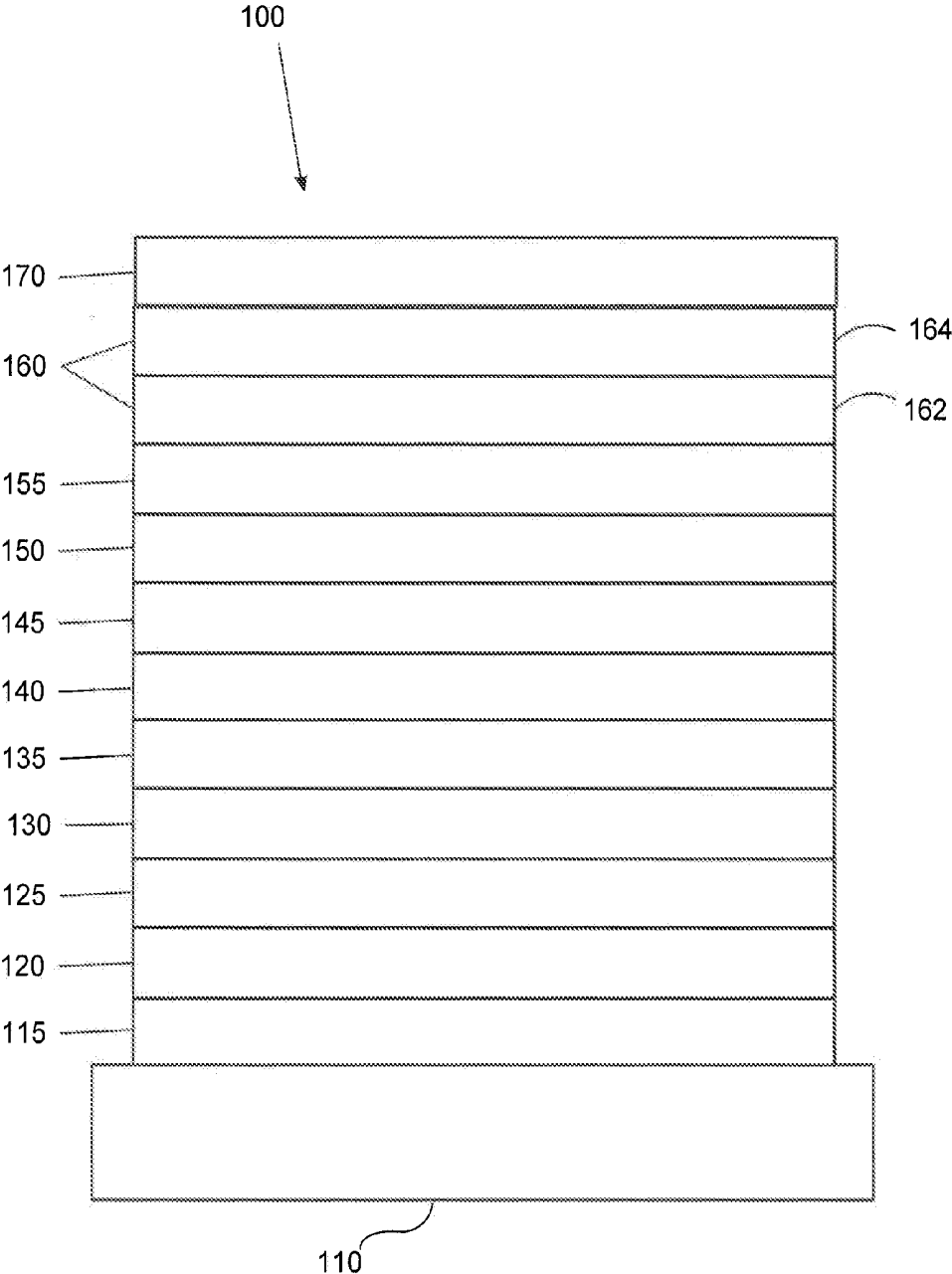


FIG. 1

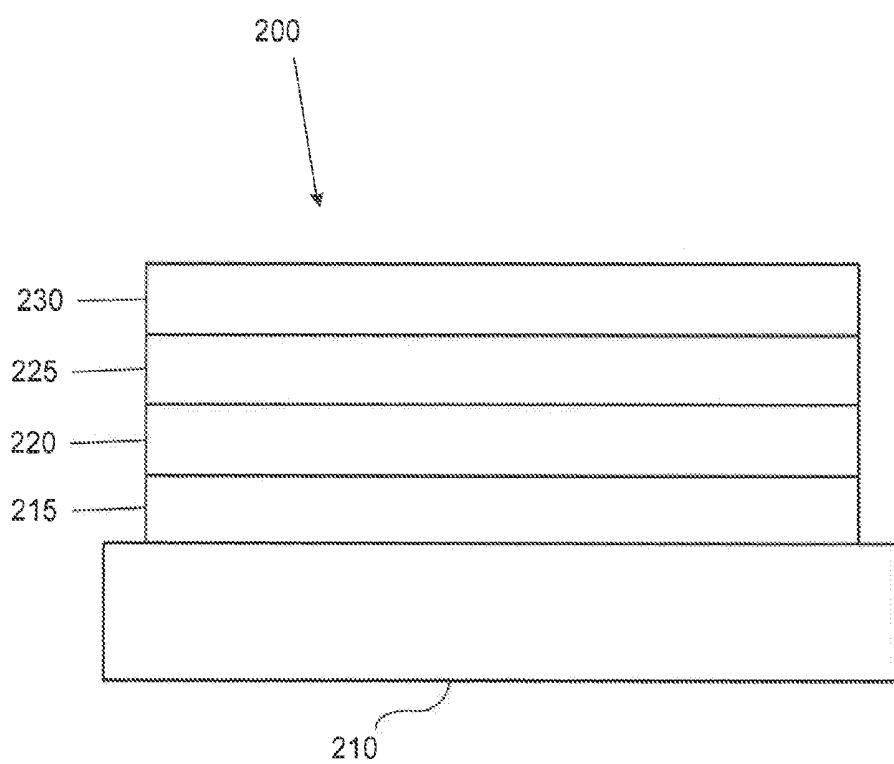
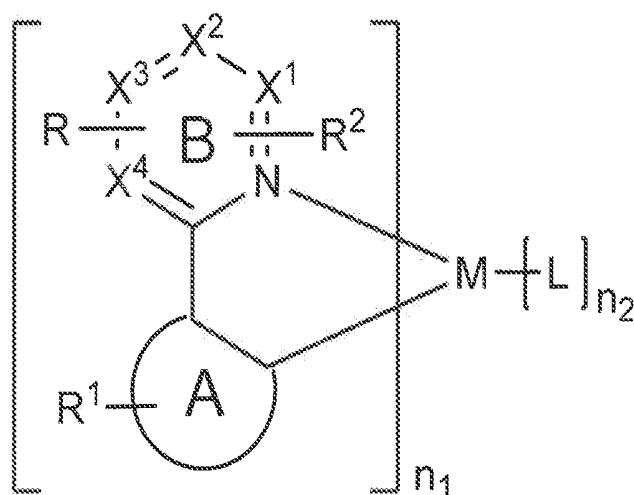


FIG. 2



Formula I-A

FIG. 3

ORGANIC ELECTROLUMINESCENT MATERIALS AND DEVICES

[0001] The claimed invention was made by, on behalf of, and/or in connection with one or more of the following parties to a joint university corporation research agreement: Regents of the University of Michigan, Princeton University, The University of Southern California, and the Universal Display Corporation. The agreement was in effect on and before the date the claimed invention was made, and the claimed invention was made as a result of activities undertaken within the scope of the agreement.

FIELD OF THE INVENTION

[0002] The present invention relates to metal complexes having novel ligands. The compounds are useful in organic light emitting devices (OLEDs), particularly as emitting dopants. The incorporation of these novel ligands provides red phosphorescent materials with good external quantum efficiency, good color, and long lifetime.

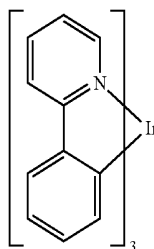
BACKGROUND

[0003] Opto-electronic devices that make use of organic materials are becoming increasingly desirable for a number of reasons. Many of the materials used to make such devices are relatively inexpensive, so organic opto-electronic devices have the potential for cost advantages over inorganic devices. In addition, the inherent properties of organic materials, such as their flexibility, may make them well suited for particular applications such as fabrication on a flexible substrate. Examples of organic opto-electronic devices include organic light emitting devices, organic phototransistors, organic photovoltaic cells, and organic photodetectors. For OLEDs, the organic materials may have performance advantages over conventional materials. For example, the wavelength at which an organic emissive layer emits light may generally be readily tuned with appropriate dopants.

[0004] OLEDs make use of thin organic films that emit light when voltage is applied across the device. OLEDs are becoming an increasingly interesting technology for use in applications such as flat panel displays, illumination, and backlighting. Several OLED materials and configurations are described in U.S. Pat. Nos. 5,844,363, 6,303,238, and 5,707,745, which are incorporated herein by reference in their entirety.

[0005] One application for phosphorescent emissive molecules is a full color display. Industry standards for such a display call for pixels adapted to emit particular colors, referred to as “saturated” colors. In particular, these standards call for saturated red, green, and blue pixels. Color may be measured using CIE coordinates, which are well known to the art.

[0006] One example of a green emissive molecule is tris(2-phenylpyridine) iridium, denoted Ir(ppy)₃, which has the following structure:



[0007] In this, and later figures herein, we depict the dative bond from nitrogen to metal (here, Ir) as a straight line.

[0008] As used herein, the term “organic” includes polymeric materials as well as small molecule organic materials that may be used to fabricate organic opto-electronic devices. “Small molecule” refers to any organic material that is not a polymer, and “small molecules” may actually be quite large. Small molecules may include repeat units in some circumstances. For example, using a long chain alkyl group as a substituent does not remove a molecule from the “small molecule” class. Small molecules may also be incorporated into polymers, for example as a pendent group on a polymer backbone or as a part of the backbone. Small molecules may also serve as the core moiety of a dendrimer, which consists of a series of chemical shells built on the core moiety. The core moiety of a dendrimer may be a fluorescent or phosphorescent small molecule emitter. A dendrimer may be a “small molecule,” and it is believed that all dendrimers currently used in the field of OLEDs are small molecules.

[0009] As used herein, “top” means furthest away from the substrate, while “bottom” means closest to the substrate. Where a first layer is described as “disposed over” a second layer, the first layer is disposed further away from substrate. There may be other layers between the first and second layer, unless it is specified that the first layer is “in contact with” the second layer. For example, a cathode may be described as “disposed over” an anode, even though there are various organic layers in between.

[0010] As used herein, “solution processable” means capable of being dissolved, dispersed, or transported in and/or deposited from a liquid medium, either in solution or suspension form.

[0011] A ligand may be referred to as “photoactive” when it is believed that the ligand directly contributes to the photoactive properties of an emissive material. A ligand may be referred to as “ancillary” when it is believed that the ligand does not contribute to the photoactive properties of an emissive material, although an ancillary ligand may alter the properties of a photoactive ligand.

[0012] As used herein, and as would be generally understood by one skilled in the art, a first “Highest Occupied Molecular Orbital” (HOMO) or “Lowest Unoccupied Molecular Orbital” (LUMO) energy level is “greater than” or “higher than” a second HOMO or LUMO energy level if the first energy level is closer to the vacuum energy level. Since ionization potentials (IP) are measured as a negative energy relative to a vacuum level, a higher HOMO energy level corresponds to an IP having a smaller absolute value (an IP that is less negative). Similarly, a higher LUMO energy level corresponds to an electron affinity (EA) having a smaller absolute value (an EA that is less negative). On a conventional energy level diagram, with the vacuum level at the top, the LUMO energy level of a material is higher than the HOMO

energy level of the same material. A “higher” HOMO or LUMO energy level appears closer to the top of such a diagram than a “lower” HOMO or LUMO energy level.

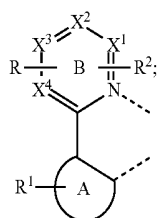
[0013] As used herein, and as would be generally understood by one skilled in the art, a first work function is “greater than” or “higher than” a second work function if the first work function has a higher absolute value. Because work functions are generally measured as negative numbers relative to vacuum level, this means that a “higher” work function is more negative. On a conventional energy level diagram, with the vacuum level at the top, a “higher” work function is illustrated as further away from the vacuum level in the downward direction. Thus, the definitions of HOMO and LUMO energy levels follow a different convention than work functions.

[0014] More details on OLEDs, and the definitions described above, can be found in U.S. Pat. No. 7,279,704, which is incorporated herein by reference in its entirety.

BRIEF SUMMARY OF THE INVENTION

[0015] Compounds comprising a metal complex with novel ligand structures are provided. The compounds may be used in organic light emitting devices. In particular the compounds may be useful as phosphorescent emitting dopants in such devices.

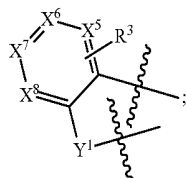
[0016] The present invention provides a compound comprising a ligand L_A of formula I:



(I)

[0017] wherein ring A is a 5-membered or 6-membered carbocyclic or heterocyclic ring;

[0018] wherein R is fused to ring B and has formula II:



(II)

[0019] wherein the wave lines indicate bonds to ring B;

[0020] wherein R^1 and R^3 each independently represent mono, di, tri, or tetra substitution, or no substitution;

[0021] wherein R^2 represents mono or di substitution, or no substitution;

[0022] wherein X^1 , X^2 , X^3 , X^4 , X^5 , X^6 , X^7 , and X^8 are each independently carbon or nitrogen;

[0023] wherein at least one of X^1 , X^2 , X^3 , X^4 , X^5 , X^6 , X^7 , and X^8 is nitrogen;

[0024] wherein Y^1 is selected from the group consisting of BR^1 , NR^1 , PR^1 , O, S, Se, C=O, S=O, SO_2 , CR^1R^2 , SiR^1R^2 , and GeR^1R^2 ;

[0025] wherein R^1 , R^2 , R^3 , R^4 , and R^5 are each independently selected from the group consisting of hydrogen, deuterium, halogen, alkyl, cycloalkyl, heteroalkyl, arylalkyl, alkoxy, aryloxy, amino, silyl, alkenyl, cycloalkenyl, heteroalkenyl, alkynyl, aryl, heteroaryl, acyl, carbonyl, carboxylic acid, ester, nitrile, isonitrile, sulfanyl, sulfanyl, sulfonyl, phosphino, and combinations thereof, or wherein any two adjacent substituents are optionally joined to form a ring, which can be further substituted;

[0026] wherein L_A is coordinated to a metal M;

[0027] wherein L_A is optionally linked with other ligands to comprise a tridentate, tetradentate, pentadentate, or hexadentate ligand; and

[0028] wherein M is optionally coordinated to other ligands.

[0029] In some embodiments, M is selected from the group consisting of Ir, Rh, Re, Ru, Os, Pt, Au, and Cu.

[0030] In some embodiments, M is Ir.

[0031] In some embodiments, Y^1 is selected from the group consisting of NR^1 , O, S, and CR^1R^2 .

[0032] In some embodiments, Y^1 is O.

[0033] In some embodiments, one of X^1 , X^2 , X^3 , X^4 , X^5 , X^6 , X^7 , and X^8 is nitrogen.

[0034] In some embodiments, two of X^1 , X^2 , X^3 , X^4 , X^5 , X^6 , X^7 , and X^8 are nitrogen.

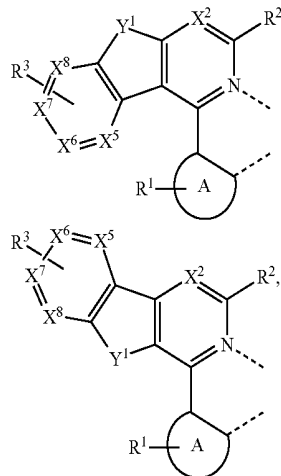
[0035] In some embodiments, one of X^1 , X^2 , X^3 , and X^4 is nitrogen; and one of X^5 , X^6 , X^7 , and X^8 is nitrogen.

[0036] In some embodiments, one of X^1 , X^2 , X^3 , X^4 is nitrogen; and X^5 , X^6 , X^7 , and X^8 are carbon.

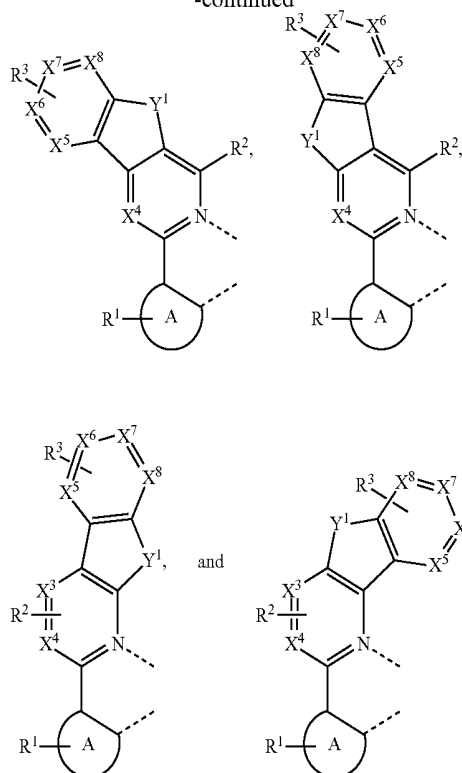
[0037] In some embodiments, X^2 is nitrogen; and X^1 , X^3 , X^4 , X^5 , X^6 , X^7 and X^8 are carbon.

[0038] In some embodiments, A is phenyl.

[0039] In some embodiments, L_A is selected from the group consisting of:



-continued



[0040] In some embodiments, the compound has formula III-A:



[0041] wherein L_B is a bidentate ligand; and n is 1, 2, or 3.

[0042] In some embodiments, L_A is selected from the group consisting of L_{A1} to L_{A960} .

[0043] In some embodiments, L_B is selected from the group consisting of L_{B1} to L_{B41} .

[0044] In some embodiments, L_B is selected from the group consisting of L_{B42} to L_{B45} .

[0045] In some embodiments, the compound has formula IV:



[0046] and is selected from the group consisting of compound 1 to compound 960 listed in TABLE 1.

[0047] In some embodiments, the compound has formula V:



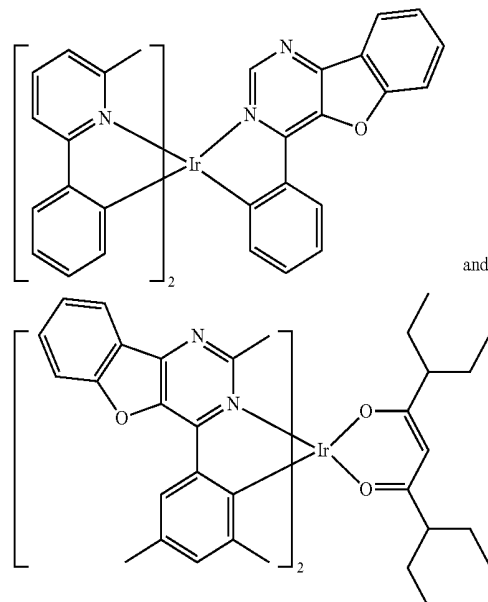
[0048] and is selected from the group consisting of compound 961 to compound 5760 listed in TABLE 2.

[0049] In some embodiments, the compound has formula VI:



[0050] and is selected from the group consisting of compound 5761 to compound 7680 listed in TABLE 3.

[0051] In some embodiments, the compound is selected from the group consisting of:

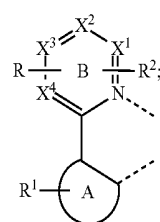


[0052] The present invention also provides an organic light emitting device. The organic light emitting device comprises:

[0053] an anode;

[0054] a cathode; and

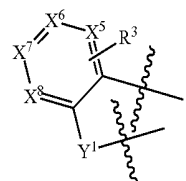
[0055] an organic layer, disposed between the anode and the cathode, wherein the organic layer comprises a compound comprising a ligand L_A of formula I:



(I)

[0056] wherein ring A is a 5-membered or 6-membered carbocyclic or heterocyclic ring;

[0057] wherein R is fused to ring B and has formula II:



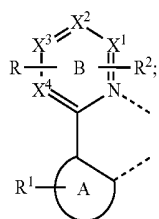
(II)

[0058] wherein the wave lines indicate bonds to ring B;

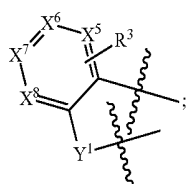
[0059] wherein R^1 and R^3 each independently represent mono, di, tri, or tetra substitution, or no substitution;

[0060] wherein R^2 represents mono or di substitution, or no substitution;

- [0061] wherein X^1 , X^2 , X^3 , X^4 , X^5 , X^6 , X^7 , and X^8 are each independently carbon or nitrogen;
- [0062] wherein at least one of X^1 , X^2 , X^3 , X^4 , X^5 , X^6 , X^7 , and X^8 is nitrogen;
- [0063] wherein Y^1 is selected from the group consisting of BR' , NR' , PR' , O, S, Se, $C=O$, $S=O$, SO_2 , $CR'R''$, $SiR'R''$, and $GeR'R''$;
- [0064] wherein R^1 , R^2 , R^3 , R' , and R'' are each independently selected from the group consisting of hydrogen, deuterium, halogen, alkyl, cycloalkyl, heteroalkyl, arylalkyl, alkoxy, aryloxy, amino, silyl, alkenyl, cycloalkenyl, heteroalkenyl, alkynyl, aryl, heteroaryl, acyl, carbonyl, carboxylic acid, ester, nitrile, isonitrile, sulfanyl, sulfinyl, sulfonyl, phosphino, and combinations thereof, or wherein any two adjacent substituents are optionally joined to form a ring, which can be further substituted;
- [0065] wherein L_A is coordinated to a metal M;
- [0066] wherein L_A is optionally linked with other ligands to comprise a tridentate, tetradentate, pentadentate, or hexadentate ligand; and
- [0067] wherein M is optionally coordinated to other ligands.
- [0068] The present invention also provides a formulation comprising a compound comprising ligand L_A of formula I:



- [0069] wherein ring A is a 5-membered or 6-membered carbocyclic or heterocyclic ring;
- [0070] wherein R is fused to ring B and has formula III:



- [0071] wherein the wave lines indicate bonds to ring B;
- [0072] wherein R^1 and R^3 each independently represent mono, di, tri, or tetra substitution, or no substitution;
- [0073] wherein R^2 represents mono or di substitution, or no substitution;
- [0074] wherein X^1 , X^2 , X^3 , X^4 , X^5 , X^6 , X^7 , and X^8 are each independently carbon or nitrogen;
- [0075] wherein at least one of X^1 , X^2 , X^3 , X^4 , X^5 , X^6 , X^7 , and X^8 is nitrogen;
- [0076] wherein Y^1 is selected from the group consisting of BR' , NR' , PR' , O, S, Se, $C=O$, $S=O$, SO_2 , $CR'R''$, $SiR'R''$, and $GeR'R''$;
- [0077] wherein R^1 , R^2 , R^3 , R' , and R'' are each independently selected from the group consisting of hydrogen,

deuterium, halogen, alkyl, cycloalkyl, heteroalkyl, arylalkyl, alkoxy, aryloxy, amino, silyl, alkenyl, cycloalkenyl, heteroalkenyl, alkynyl, aryl, heteroaryl, acyl, carbonyl, carboxylic acid, ester, nitrile, isonitrile, sulfanyl, sulfinyl, sulfonyl, phosphino, and combinations thereof, or wherein any two adjacent substituents are optionally joined to form a ring, which can be further substituted;

[0078] wherein L_A is coordinated to metal M;

[0079] wherein L_A is optionally linked with other ligands to comprise a tridentate, tetradentate, pentadentate, or hexadentate ligand; and

[0080] wherein M is optionally coordinated to other ligands.

BRIEF DESCRIPTION OF THE DRAWINGS

[0081] The accompanying drawings, which are incorporated herein and form a part of the specification, illustrate embodiments of the present invention and, together with the description, further serve to explain the principles of the invention and to enable a person skilled in the pertinent art to make and use the invention.

[0082] FIG. 1 shows an organic light emitting device.

[0083] FIG. 2 shows an inverted organic light emitting device that does not have a separate electron transport layer.

[0084] FIG. 3 shows a compound of Formula I-A.

DETAILED DESCRIPTION

[0085] Generally, an OLED comprises at least one organic layer disposed between and electrically connected to an anode and a cathode. When a current is applied, the anode injects holes and the cathode injects electrons into the organic layer(s). The injected holes and electrons each migrate toward the oppositely charged electrode. When an electron and hole localize on the same molecule, an "exciton," which is a localized electron-hole pair having an excited energy state, is formed. Light is emitted when the exciton relaxes via a photoemissive mechanism. In some cases, the exciton may be localized on an excimer or an exciplex. Non-radiative mechanisms, such as thermal relaxation, may also occur, but are generally considered undesirable.

[0086] The initial OLEDs used emissive molecules that emitted light from their singlet states ("fluorescence") as disclosed, for example, in U.S. Pat. No. 4,769,292, which is incorporated by reference in its entirety. Fluorescent emission generally occurs in a time frame of less than 10 nanoseconds.

[0087] More recently, OLEDs having emissive materials that emit light from triplet states ("phosphorescence") have been demonstrated. Baldo et al., "Highly Efficient Phosphorescent Emission from Organic Electroluminescent Devices," *Nature*, vol. 395, 151-154, 1998; ("Baldo-I") and Baldo et al., "Very high-efficiency green organic light-emitting devices based on electrophosphorescence," *Appl. Phys. Lett.*, vol. 75, No. 3, 4-6 (1999) ("Baldo-II"), which are incorporated by reference in their entireties. Phosphorescence is described in more detail in U.S. Pat. No. 7,279,704 at cols. 5-6, which are incorporated by reference.

[0088] FIG. 1 shows an organic light emitting device 100. The figures are not necessarily drawn to scale. Device 100 may include a substrate 110, an anode 115, a hole injection layer 120, a hole transport layer 125, an electron blocking layer 130, an emissive layer 135, a hole blocking layer 140, an electron transport layer 145, an electron injection layer 150, a protective layer 155, a cathode 160, and a barrier layer 170.

Cathode **160** is a compound cathode having a first conductive layer **162** and a second conductive layer **164**. Device **100** may be fabricated by depositing the layers described, in order. The properties and functions of these various layers, as well as example materials, are described in more detail in U.S. Pat. No. 7,279,704 at cols. 6-10, which are incorporated by reference.

[0089] More examples for each of these layers are available. For example, a flexible and transparent substrate-anode combination is disclosed in U.S. Pat. No. 5,844,363, which is incorporated by reference in its entirety. An example of a p-doped hole transport layer is m-MTDATA doped with F₄-TCNQ at a molar ratio of 50:1, as disclosed in U.S. Patent Application Publication No. 2003/0230980, which is incorporated by reference in its entirety. Examples of emissive and host materials are disclosed in U.S. Pat. No. 6,303,238 to Thompson et al., which is incorporated by reference in its entirety. An example of an n-doped electron transport layer is BPhen doped with Li at a molar ratio of 1:1, as disclosed in U.S. Patent Application Publication No. 2003/0230980, which is incorporated by reference in its entirety. U.S. Pat. Nos. 5,703,436 and 5,707,745, which are incorporated by reference in their entireties, disclose examples of cathodes including compound cathodes having a thin layer of metal such as Mg:Ag with an overlying transparent, electrically-conductive, sputter-deposited ITO layer. The theory and use of blocking layers is described in more detail in U.S. Pat. No. 6,097,147 and U.S. Patent Application Publication No. 2003/0230980, which are incorporated by reference in their entireties. Examples of injection layers are provided in U.S. Patent Application Publication No. 2004/0174116, which is incorporated by reference in its entirety. A description of protective layers may be found in U.S. Patent Application Publication No. 2004/0174116, which is incorporated by reference in its entirety.

[0090] FIG. 2 shows an inverted OLED **200**. The device includes a substrate **210**, a cathode **215**, an emissive layer **220**, a hole transport layer **225**, and an anode **230**. Device **200** may be fabricated by depositing the layers described, in order. Because the most common OLED configuration has a cathode disposed over the anode, and device **200** has cathode **215** disposed under anode **230**, device **200** may be referred to as an "inverted" OLED. Materials similar to those described with respect to device **100** may be used in the corresponding layers of device **200**. FIG. 2 provides one example of how some layers may be omitted from the structure of device **100**.

[0091] The simple layered structure illustrated in FIGS. 1 and 2 is provided by way of non-limiting example, and it is understood that embodiments of the invention may be used in connection with a wide variety of other structures. The specific materials and structures described are exemplary in nature, and other materials and structures may be used. Functional OLEDs may be achieved by combining the various layers described in different ways, or layers may be omitted entirely, based on design, performance, and cost factors. Other layers not specifically described may also be included. Materials other than those specifically described may be used. Although many of the examples provided herein describe various layers as comprising a single material, it is understood that combinations of materials, such as a mixture of host and dopant, or more generally a mixture, may be used. Also, the layers may have various sublayers. The names given to the various layers herein are not intended to be strictly limiting. For example, in device **200**, hole transport layer **225**

transports holes and injects holes into emissive layer **220**, and may be described as a hole transport layer or a hole injection layer. In some embodiments, an OLED may be described as having an "organic layer" disposed between a cathode and an anode. This organic layer may comprise a single layer, or may further comprise multiple layers of different organic materials as described, for example, with respect to FIGS. 1 and 2.

[0092] Structures and materials not specifically described may also be used, such as OLEDs comprised of polymeric materials (PLEDs) such as disclosed in U.S. Pat. No. 5,247,190 to Friend et al., which is incorporated by reference in its entirety. By way of further example, OLEDs having a single organic layer may be used. OLEDs may be stacked, for example as described in U.S. Pat. No. 5,707,745 to Forrest et al., which is incorporated by reference in its entirety. The OLED structure may deviate from the simple layered structure illustrated in FIGS. 1 and 2. For example, the substrate may include an angled reflective surface to improve out-coupling, such as a mesa structure as described in U.S. Pat. No. 6,091,195 to Forrest et al., and/or a pit structure as described in U.S. Pat. No. 5,834,893 to Bulovic et al., which are incorporated by reference in their entireties.

[0093] Unless otherwise specified, any of the layers of the various embodiments may be deposited by any suitable method. For the organic layers, preferred methods include thermal evaporation, ink-jet, such as described in U.S. Pat. Nos. 6,013,982 and 6,087,196, which are incorporated by reference in their entireties, organic vapor phase deposition (OVPD), such as described in U.S. Pat. No. 6,337,102 to Forrest et al., which is incorporated by reference in its entirety, and deposition by organic vapor jet printing (OVJP), such as described in U.S. Pat. No. 7,431,968, which is incorporated by reference in its entirety. Other suitable deposition methods include spin coating and other solution based processes. Solution based processes are preferably carried out in nitrogen or an inert atmosphere. For the other layers, preferred methods include thermal evaporation. Preferred patterning methods include deposition through a mask, cold welding such as described in U.S. Pat. Nos. 6,294,398 and 6,468,819, which are incorporated by reference in their entireties, and patterning associated with some of the deposition methods such as ink-jet and OVJP. Other methods may also be used. The materials to be deposited may be modified to make them compatible with a particular deposition method. For example, substituents such as alkyl and aryl groups, branched or unbranched, and preferably containing at least 3 carbons, may be used in small molecules to enhance their ability to undergo solution processing. Substituents having 20 carbons or more may be used, and 3-20 carbons is a preferred range. Materials with asymmetric structures may have better solution processability than those having symmetric structures, because asymmetric materials may have a lower tendency to recrystallize. Dendrimer substituents may be used to enhance the ability of small molecules to undergo solution processing.

[0094] Devices fabricated in accordance with embodiments of the present invention may further optionally comprise a barrier layer. One purpose of the barrier layer is to protect the electrodes and organic layers from damaging exposure to harmful species in the environment including moisture, vapor and/or gases, etc. The barrier layer may be deposited over, under or next to a substrate, an electrode, or over any other parts of a device including an edge. The barrier layer may comprise a single layer, or multiple layers. The

barrier layer may be formed by various known chemical vapor deposition techniques and may include compositions having a single phase as well as compositions having multiple phases. Any suitable material or combination of materials may be used for the barrier layer. The barrier layer may incorporate an inorganic or an organic compound or both. The preferred barrier layer comprises a mixture of a polymeric material and a non-polymeric material as described in U.S. Pat. No. 7,968,146, PCT Pat. Application Nos. PCT/US2007/023098 and PCT/US2009/042829, which are herein incorporated by reference in their entireties. To be considered a "mixture", the aforesaid polymeric and non-polymeric materials comprising the barrier layer should be deposited under the same reaction conditions and/or at the same time. The weight ratio of polymeric to non-polymeric material may be in the range of 95:5 to 5:95. The polymeric material and the non-polymeric material may be created from the same precursor material. In one example, the mixture of a polymeric material and a non-polymeric material consists essentially of polymeric silicon and inorganic silicon.

[0095] Devices fabricated in accordance with embodiments of the invention may be incorporated into a wide variety of consumer products, including flat panel displays, computer monitors, medical monitors, televisions, billboards, lights for interior or exterior illumination and/or signaling, heads up displays, fully transparent displays, flexible displays, laser printers, telephones, cell phones, personal digital assistants (PDAs), laptop computers, digital cameras, camcorders, viewfinders, micro-displays, 3-D displays, vehicles, a large area wall, theater or stadium screen, or a sign. Various control mechanisms may be used to control devices fabricated in accordance with the present invention, including passive matrix and active matrix. Many of the devices are intended for use in a temperature range comfortable to humans, such as 18 degrees C. to 30 degrees C., and more preferably at room temperature (20-25 degrees C.), but could be used outside this temperature range, for example, from -40 degree C. to +80 degrees C.

[0096] The materials and structures described herein may have applications in devices other than OLEDs. For example, other optoelectronic devices such as organic solar cells and organic photodetectors may employ the materials and structures. More generally, organic devices, such as organic transistors, may employ the materials and structures.

[0097] The term "halo" or "halogen" as used herein includes fluorine, chlorine, bromine, and iodine.

[0098] The term "alkyl" as used herein contemplates both straight and branched chain alkyl radicals. Preferred alkyl groups are those containing from one to fifteen carbon atoms and includes methyl, ethyl, propyl, isopropyl, butyl, isobutyl, tert-butyl, and the like. Additionally, the alkyl group may be optionally substituted.

[0099] The term "cycloalkyl" as used herein contemplates cyclic alkyl radicals. Preferred cycloalkyl groups are those containing 3 to 7 carbon atoms and includes cyclopropyl, cyclopentyl, cyclohexyl, and the like. Additionally, the cycloalkyl group may be optionally substituted.

[0100] The term "alkenyl" as used herein contemplates both straight and branched chain Alkene radicals. Preferred alkenyl groups are those containing two to fifteen carbon atoms. Additionally, the alkenyl group may be optionally substituted.

[0101] The term "alkynyl" as used herein contemplates both straight and branched chain alkyne radicals. Preferred

alkyl groups are those containing two to fifteen carbon atoms. Additionally, the alkynyl group may be optionally substituted.

[0102] The terms "aralkyl" or "arylalkyl" as used herein contemplates an alkyl group that has as a substituent an aromatic group. Additionally, the aralkyl group may be optionally substituted.

[0103] The term "heterocyclic group" as used herein contemplates non-aromatic cyclic radicals. Preferred heterocyclic groups are those containing 3 or 7 ring atoms which includes at least one hetero atom, and includes cyclic amines such as morpholino, piperidino, pyrrolidino, and the like, and cyclic ethers, such as tetrahydrofuran, tetrahydropyran, and the like. Additionally, the heterocyclic group may be optionally substituted.

[0104] The term "aryl" or "aromatic group" as used herein contemplates single-ring groups and polycyclic ring systems. The polycyclic rings may have two or more rings in which two carbons are common by two adjoining rings (the rings are "fused") wherein at least one of the rings is aromatic, e.g., the other rings can be cycloalkyls, cycloalkenyls, aryl, heterocycles, and/or heteroaryls. Additionally, the aryl group may be optionally substituted.

[0105] The term "heteroaryl" as used herein contemplates single-ring hetero-aromatic groups that may include from one to three heteroatoms, for example, pyrrole, furan, thiophene, imidazole, oxazole, thiazole, triazole, pyrazole, pyridine, pyrazine and pyrimidine, and the like. The term heteroaryl also includes polycyclic hetero-aromatic systems having two or more rings in which two atoms are common to two adjoining rings (the rings are "fused") wherein at least one of the rings is a heteroaryl, the other rings can be cycloalkyls, cycloalkenyls, aryl, heterocycles, and/or heteroaryls. Additionally, the heteroaryl group may be optionally substituted.

[0106] The alkyl, cycloalkyl, alkenyl, alkynyl, aralkyl, heterocyclic group, aryl, and heteroaryl may be optionally substituted with one or more substituents selected from the group consisting of hydrogen, deuterium, halogen, alkyl, cycloalkyl, heteroalkyl, arylalkyl, alkoxy, aryloxy, amino, silyl, alkenyl, cycloalkenyl, heteroalkenyl, alkynyl, aryl, heteroaryl, acyl, carbonyl, carboxylic acid, ester, nitrile, isonitrile, sulfanyl, sulfinyl, sulfonyl, phosphino, and combinations thereof.

[0107] As used herein, the term "substituted" indicates that a substituent other than hydrogen is bonded to the relevant carbon or nitrogen atom. Thus, where R¹ is mono-substituted, then one R¹ must be other than hydrogen. Similarly, where R¹ is di-substituted, then two of R¹ must be other than hydrogen. Similarly, where R¹ "represents no substitution," R¹ is hydrogen for all available positions.

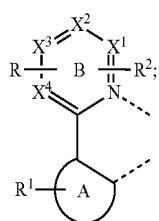
[0108] The "aza" designation in the fragments described herein, i.e., aza-dibenzofuran, aza-dibenzonethiophene, etc., means that one or more of the C—H groups in the respective fragment can be replaced by a nitrogen atom, for example, and without any limitation, azatriphenylene encompasses both dibenzo[f,h]quinoxaline and dibenzo[f,h]quinoline. One of ordinary skill in the art can readily envision other nitrogen analogs of the aza-derivatives described above, and all such analogs are intended to be encompassed by the terms as set forth herein.

[0109] It is to be understood that when a molecular fragment is described as being a substituent or otherwise attached to another moiety, its name may be written as if it were a fragment (e.g., naphthyl, dibenzofuryl) or as if it were the

whole molecule (e.g., naphthalene, dibenzofuran). As used herein, these different ways of designating a substituent or attached fragment are considered to be equivalent.

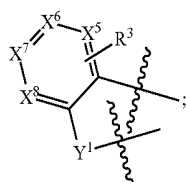
[0110] A new class of compounds are provided herein, the compounds comprising a ligand having a novel structure. These compounds may be used in phosphorescent organic light emitting devices. In some embodiments, these compounds are used as an emitting dopant in the emissive layer. The ligands provided herein can be used to tune the properties of the compound to provide more desirable properties. The incorporation of the ligands provided herein provides red phosphorescent materials with good external quantum efficiency, good color, and long lifetime.

[0111] In some embodiments, a compound comprising ligand L_A of formula I:



(I)

[0112] is provided. In the compound of formula I, ring A is a 5-membered or 6-membered carbocyclic or heterocyclic ring; R is fused to ring B and has formula II:



(II)

[0113] the wave lines indicate bonds to ring B; R^1 and R^3 each independently represent mono, di, tri, or tetra substitution, or no substitution; R^2 represents mono or di substitution, or no substitution; $X^1, X^2, X^3, X^4, X^5, X^6, X^7$, and X^8 are each independently carbon or nitrogen; at least one of $X^1, X^2, X^3, X^4, X^5, X^6, X^7$, and X^8 is nitrogen; Y^1 is selected from the group consisting of $BR', NR', PR', O, S, Se, C=O, S=O, SO_2, CR'R'', SiR'R'',$ and $GeR'R''$; $R^1, R^2, R^3, R',$ and R'' are each independently selected from the group consisting of hydrogen, deuterium, halogen, alkyl, cycloalkyl, heteroalkyl, arylalkyl, alkoxy, aryloxy, amino, silyl, alkenyl, cycloalkenyl, heteroalkenyl, alkynyl, aryl, heteroaryl, acyl, carbonyl, carboxylic acid, ester, nitrile, isonitrile, sulfanyl, sulfinyl, sulfonyl, phosphino, and combinations thereof, or wherein any two adjacent substituents are optionally joined to form a ring, which can be further substituted; L_A is coordinated to a metal M; L_A is optionally linked with other ligands to comprise a tridentate, tetradentate, pentadentate, or hexadentate ligand; and M is optionally coordinated to other ligands.

[0114] In some embodiments, M is selected from the group consisting of Ir, Rh, Re, Ru, Os, Pt, Au, and Cu.

[0115] In some embodiments, M is Ir.

[0116] In some embodiments, Y^1 is selected from the group consisting of $NR', O, S,$ and

[0117] $CR'R''$,

[0118] In some embodiments, Y^1 is O.

[0119] In some embodiments, one of $X^1, X^2, X^3, X^4, X^5, X^6, X^7$, and X^8 is nitrogen.

[0120] In some embodiments, two of $X^1, X^2, X^3, X^4, X^5, X^6, X^7$, and X^8 are nitrogen.

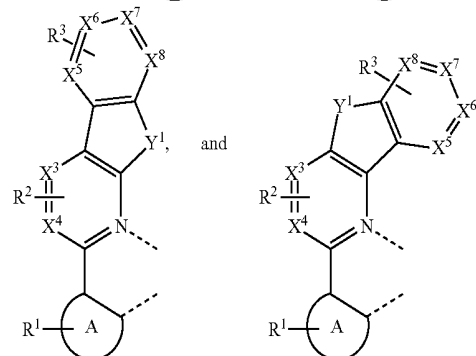
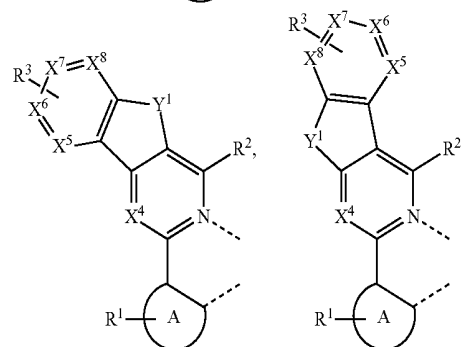
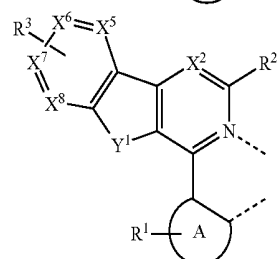
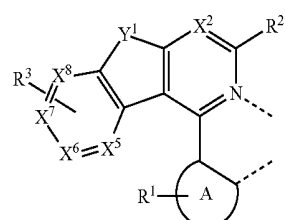
[0121] In some embodiments, one of X^1, X^2, X^3, X^4 is nitrogen; and one of X^5, X^6, X^7 , and X^8 is nitrogen.

[0122] In some embodiments, one of X^1, X^2, X^3 , and X^4 is nitrogen and X^5, X^6, X^7 , and X^8 are carbon.

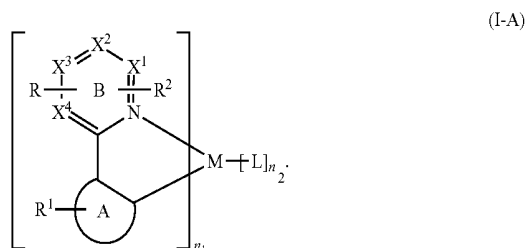
[0123] In some embodiments, X^2 is nitrogen; $X^1, X^3, X^4, X^5, X^6, X^7$, and X^8 are carbon.

[0124] In some embodiments, A is phenyl.

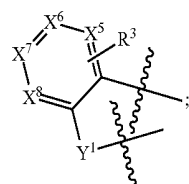
[0125] In some embodiments, L_A is selected from the group consisting of:



[0126] In some embodiments, the compound has formula I-A:



[0127] In the compound of formula I-A, L is a ligand, wherein L is not L_A ; L can be the same or different when n_2 is 2 or greater; ring A is a 5-membered or 6-membered carbocyclic or heterocyclic ring; R is fused to ring B and has formula II:



[0128] wherein the wave lines indicate bonds to ring B; R^1 and R^3 each independently represent mono, di, tri, or tetra substitution, or no substitution; R^2 represents mono or di substitution, or no substitution; $X^1, X^2, X^3, X^4, X^5, X^6, X^7$, and X^8 are each independently carbon or nitrogen; at least one of $X^1, X^2, X^3, X^4, X^5, X^6, X^7$, and X^8 is nitrogen; Y^1 is selected from the group consisting of $BR^1, NR, PR^1, O, S, Se, C=O, S=O, SO_2, CR'R'', SiR'R'',$ and $GeR'R''$; $R^1, R^2, R^3, R',$ and R'' are each independently selected from the group consisting of hydrogen, deuterium, halogen, alkyl, cycloalkyl, heteroalkyl, arylalkyl, alkoxy, aryloxy, amino, silyl, alkenyl, cycloalkenyl, heteroalkenyl, alkynyl, aryl, heteroaryl, acyl, carbonyl, carboxylic acid, ester, nitrile, isonitrile, sulfanyl, sulfonyl, sulfonyl, phosphino, and combinations thereof, or wherein any two adjacent substituents are optionally joined to form a ring, which can be further substituted; M is a metal; n_1 is an integer from 1 to 6; n_2 is an integer from 0 to 3; and n_1+n_2 is an integer from 1 to 6.

[0129] In some embodiments, L is L_B .

[0130] In some embodiments, the compound has formula III:



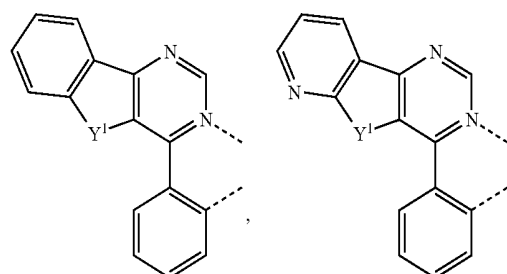
[0131] wherein L_B is a bidentate ligand; and n is 1, 2, or 3.

[0132] In some embodiments, the compound has formula III-A:



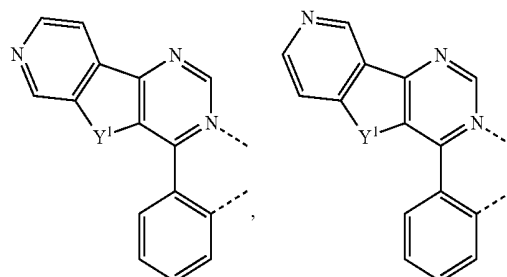
[0133] wherein L_B is a bidentate ligand; and n is 1, 2, or 3.

[0134] In some embodiments, L_A is selected from the group consisting of L_{A1} to L_{A960} as shown below:



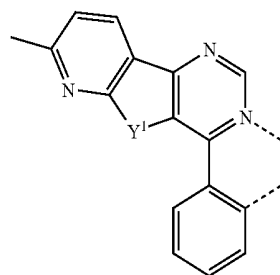
$Y_1 = O, L_{A1}$
 $Y_1 = S, L_{A2}$
 $Y_1 = NCH_3, L_{A3}$
 $Y_1 = C(CH_3)_2, L_{A4}$

$Y_1 = O, L_{A5}$
 $Y_1 = S, L_{A6}$
 $Y_1 = NCH_3, L_{A7}$
 $Y_1 = C(CH_3)_2, L_{A8}$

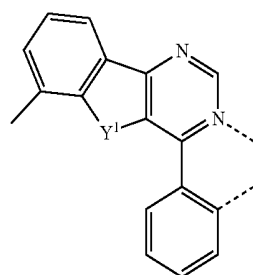


$Y_1 = O, L_{A9}$
 $Y_1 = S, L_{A10}$
 $Y_1 = NCH_3, L_{A11}$
 $Y_1 = C(CH_3)_2, L_{A12}$

$Y_1 = O, L_{A13}$
 $Y_1 = S, L_{A14}$
 $Y_1 = NCH_3, L_{A15}$
 $Y_1 = C(CH_3)_2, L_{A16}$

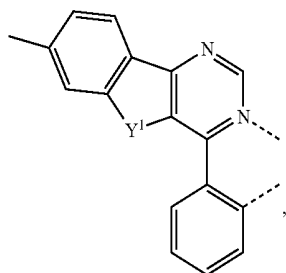


$Y_1 = O, L_{A17}$
 $Y_1 = S, L_{A18}$
 $Y_1 = NCH_3, L_{A19}$
 $Y_1 = C(CH_3)_2, L_{A20}$

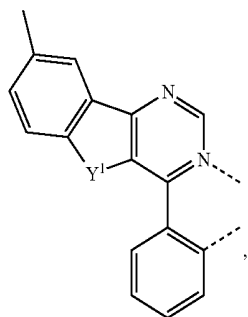


$Y_1 = O, L_{A21}$
 $Y_1 = S, L_{A22}$
 $Y_1 = NCH_3, L_{A23}$
 $Y_1 = C(CH_3)_2, L_{A24}$

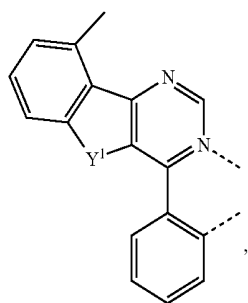
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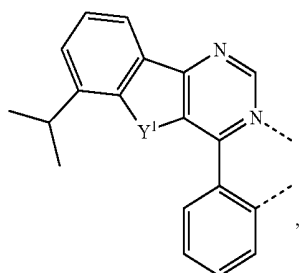
$Y_1 = O, L_{A25}$
 $Y_1 = S, L_{A26}$
 $Y_1 = NCH_3, L_{A27}$
 $Y_1 = C(CH_3)_2, L_{A28}$



$Y_1 = O, L_{A29}$
 $Y_1 = S, L_{A30}$
 $Y_1 = NCH_3, L_{A31}$
 $Y_1 = C(CH_3)_2, L_{A32}$

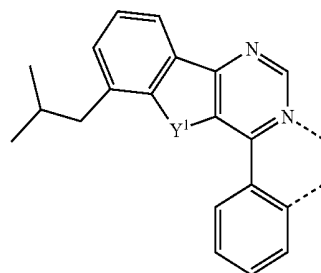


$Y_1 = O, L_{A33}$
 $Y_1 = S, L_{A34}$
 $Y_1 = NCH_3, L_{A35}$
 $Y_1 = C(CH_3)_2, L_{A36}$

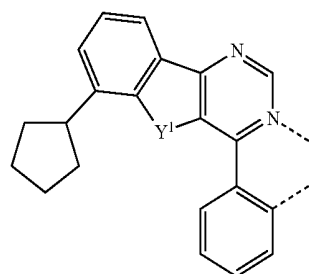


$Y_1 = O, L_{A37}$
 $Y_1 = S, L_{A38}$
 $Y_1 = NCH_3, L_{A39}$
 $Y_1 = C(CH_3)_2, L_{A40}$

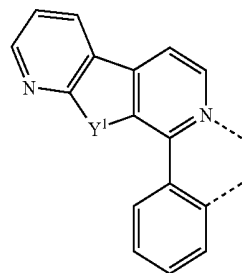
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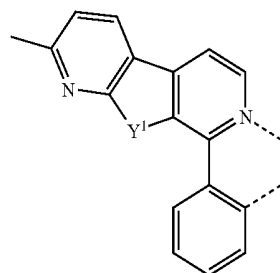
$Y_1 = O, L_{A41}$
 $Y_1 = S, L_{A42}$
 $Y_1 = NCH_3, L_{A43}$
 $Y_1 = C(CH_3)_2, L_{A44}$



$Y_1 = O, L_{A45}$
 $Y_1 = S, L_{A46}$
 $Y_1 = NCH_3, L_{A47}$
 $Y_1 = C(CH_3)_2, L_{A48}$

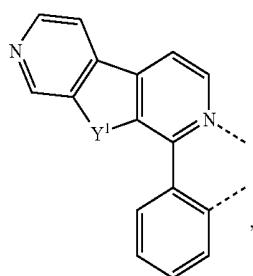


$Y_1 = O, L_{A49}$
 $Y_1 = S, L_{A50}$
 $Y_1 = NCH_3, L_{A51}$
 $Y_1 = C(CH_3)_2, L_{A52}$

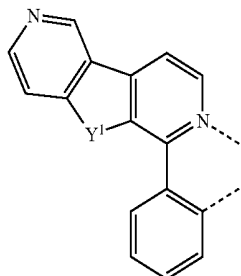


$Y_1 = O, L_{A53}$
 $Y_1 = S, L_{A54}$
 $Y_1 = NCH_3, L_{A55}$
 $Y_1 = C(CH_3)_2, L_{A56}$

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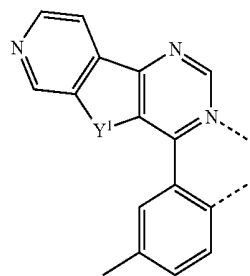


$Y_1 = O$, L_{A57}
 $Y_1 = S$, L_{A58}
 $Y_1 = NCH_3$, L_{A59}
 $Y_1 = C(CH_3)_2$, L_{A60}

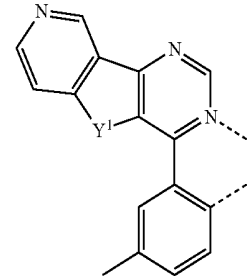


$Y_1 = O$, L_{A61}
 $Y_1 = S$, L_{A62}
 $Y_1 = NCH_3$, L_{A63}
 $Y_1 = C(CH_3)_2$, L_{A64}

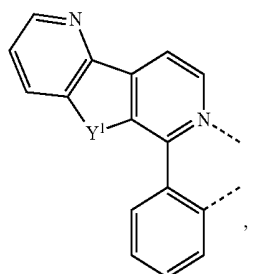
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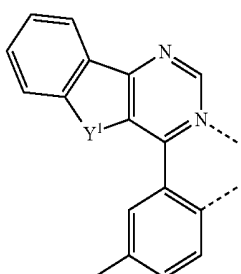
$Y_1 = O$, L_{A81}
 $Y_1 = S$, L_{A82}
 $Y_1 = NCH_3$, L_{A83}
 $Y_1 = C(CH_3)_2$, L_{A84}



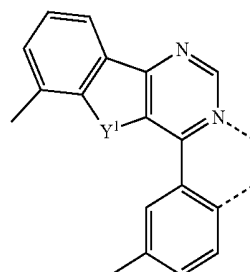
$Y_1 = O$, L_{A85}
 $Y_1 = S$, L_{A86}
 $Y_1 = NCH_3$, L_{A87}
 $Y_1 = C(CH_3)_2$, L_{A88}



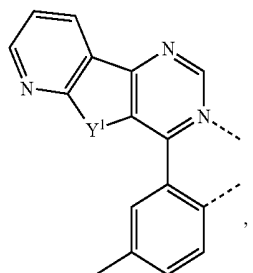
$Y_1 = O$, L_{A65}
 $Y_1 = S$, L_{A66}
 $Y_1 = NCH_3$, L_{A67}
 $Y_1 = C(CH_3)_2$, L_{A68}



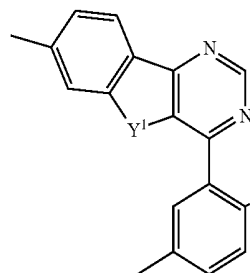
$Y_1 = O$, L_{A69}
 $Y_1 = S$, L_{A70}
 $Y_1 = NCH_3$, L_{A71}
 $Y_1 = C(CH_3)_2$, L_{A72}



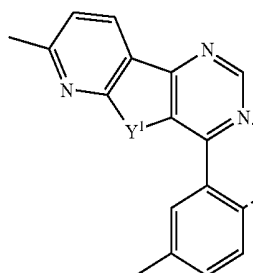
$Y_1 = O$, L_{A89}
 $Y_1 = S$, L_{A90}
 $Y_1 = NCH_3$, L_{A91}
 $Y_1 = C(CH_3)_2$, L_{A92}



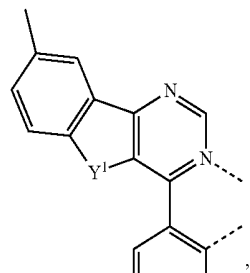
$Y_1 = O$, L_{A73}
 $Y_1 = S$, L_{A74}
 $Y_1 = NCH_3$, L_{A75}
 $Y_1 = C(CH_3)_2$, L_{A76}



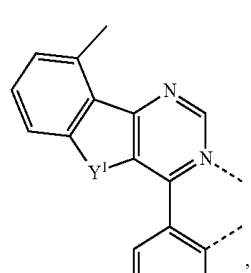
$Y_1 = O$, L_{A93}
 $Y_1 = S$, L_{A94}
 $Y_1 = NCH_3$, L_{A95}
 $Y_1 = C(CH_3)_2$, L_{A96}



$Y_1 = O$, L_{A77}
 $Y_1 = S$, L_{A78}
 $Y_1 = NCH_3$, L_{A79}
 $Y_1 = C(CH_3)_2$, L_{A80}

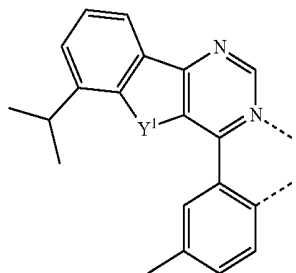


$Y_1 = O$, L_{A97}
 $Y_1 = S$, L_{A98}
 $Y_1 = NCH_3$, L_{A99}
 $Y_1 = C(CH_3)_2$, L_{A100}



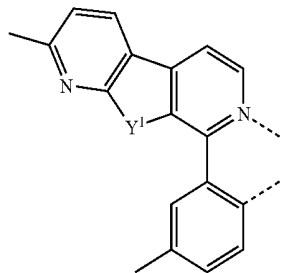
$Y_1 = O$, L_{A101}
 $Y_1 = S$, L_{A102}
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 $Y_1 = C(CH_3)_2$, L_{A104}

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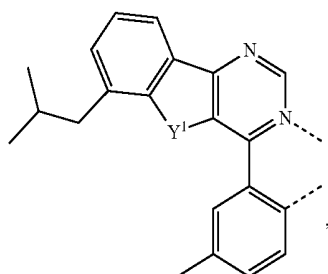


$Y_1 = O, L_{A105}$
 $Y_1 = S, L_{A106}$
 $Y_1 = NCH_3, L_{A107}$
 $Y_1 = C(CH_3)_2, L_{A108}$

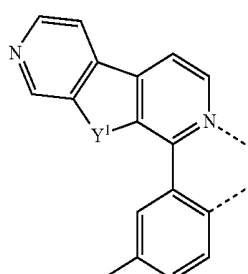
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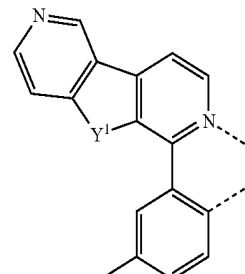
$Y_1 = O, L_{A121}$
 $Y_1 = S, L_{A122}$
 $Y_1 = NCH_3, L_{A123}$
 $Y_1 = C(CH_3)_2, L_{A124}$



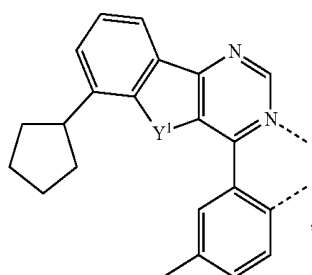
$Y_1 = O, L_{A109}$
 $Y_1 = S, L_{A110}$
 $Y_1 = NCH_3, L_{A111}$
 $Y_1 = C(CH_3)_2, L_{A112}$



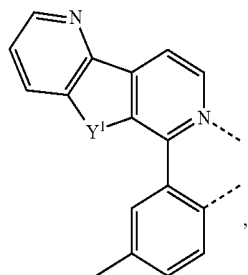
$Y_1 = O, L_{A125}$
 $Y_1 = S, L_{A126}$
 $Y_1 = NCH_3, L_{A127}$
 $Y_1 = C(CH_3)_2, L_{A128}$



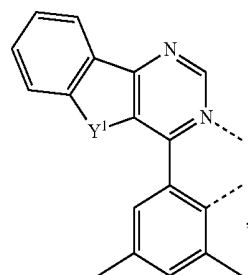
$Y_1 = O, L_{A129}$
 $Y_1 = S, L_{A130}$
 $Y_1 = NCH_3, L_{A131}$
 $Y_1 = C(CH_3)_2, L_{A132}$



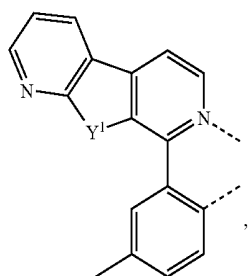
$Y_1 = O, L_{A113}$
 $Y_1 = S, L_{A114}$
 $Y_1 = NCH_3, L_{A115}$
 $Y_1 = C(CH_3)_2, L_{A116}$



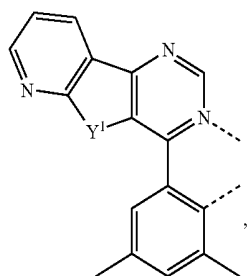
$Y_1 = O, L_{A133}$
 $Y_1 = S, L_{A134}$
 $Y_1 = NCH_3, L_{A135}$
 $Y_1 = C(CH_3)_2, L_{A136}$



$Y_1 = O, L_{A137}$
 $Y_1 = S, L_{A138}$
 $Y_1 = NCH_3, L_{A139}$
 $Y_1 = C(CH_3)_2, L_{A140}$

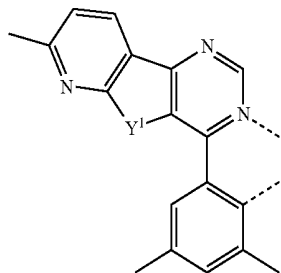


$Y_1 = O, L_{A117}$
 $Y_1 = S, L_{A118}$
 $Y_1 = NCH_3, L_{A119}$
 $Y_1 = C(CH_3)_2, L_{A120}$



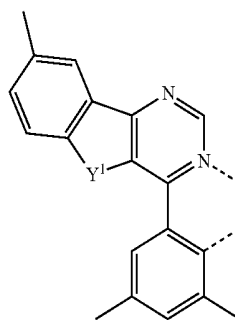
$Y_1 = O, L_{A141}$
 $Y_1 = S, L_{A142}$
 $Y_1 = NCH_3, L_{A143}$
 $Y_1 = C(CH_3)_2, L_{A144}$

-continued

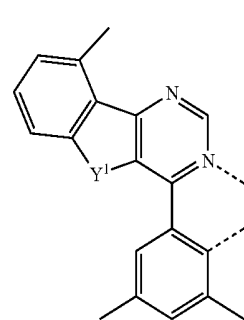


$Y_1 = O$, L_{A145}
 $Y_1 = S$, L_{A146}
 $Y_1 = NCH_3$, L_{A147}
 $Y_1 = C(CH_3)_2$, L_{A148}

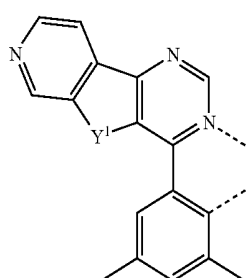
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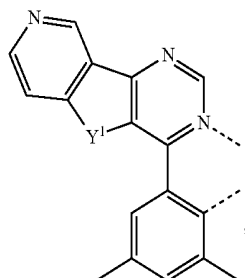
$Y_1 = O$, L_{A165}
 $Y_1 = S$, L_{A166}
 $Y_1 = NCH_3$, L_{A167}
 $Y_1 = C(CH_3)_2$, L_{A168}



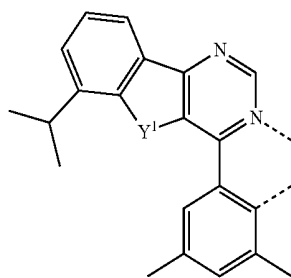
$Y_1 = O$, L_{A169}
 $Y_1 = S$, L_{A170}
 $Y_1 = NCH_3$, L_{A171}
 $Y_1 = C(CH_3)_2$, L_{A172}



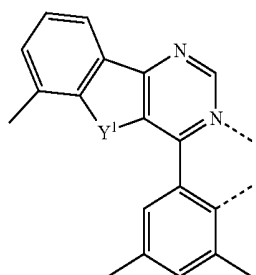
$Y_1 = O$, L_{A149}
 $Y_1 = S$, L_{A150}
 $Y_1 = NCH_3$, L_{A151}
 $Y_1 = C(CH_3)_2$, L_{A152}



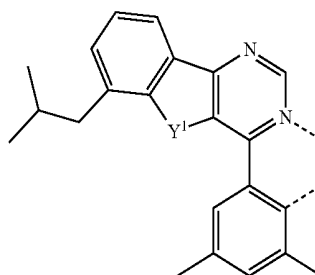
$Y_1 = O$, L_{A153}
 $Y_1 = S$, L_{A154}
 $Y_1 = NCH_3$, L_{A155}
 $Y_1 = C(CH_3)_2$, L_{A156}



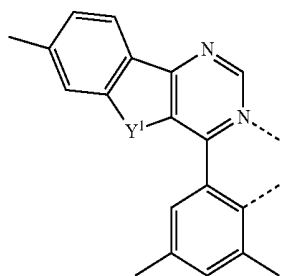
$Y_1 = O$, L_{A173}
 $Y_1 = S$, L_{A174}
 $Y_1 = NCH_3$, L_{A175}
 $Y_1 = C(CH_3)_2$, L_{A176}



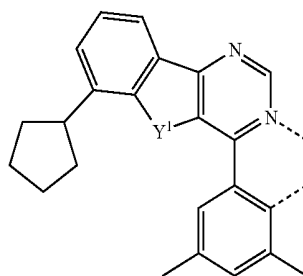
$Y_1 = O$, L_{A157}
 $Y_1 = S$, L_{A158}
 $Y_1 = NCH_3$, L_{A159}
 $Y_1 = C(CH_3)_2$, L_{A160}



$Y_1 = O$, L_{A177}
 $Y_1 = S$, L_{A178}
 $Y_1 = NCH_3$, L_{A179}
 $Y_1 = C(CH_3)_2$, L_{A180}

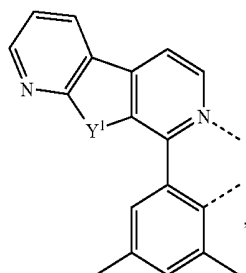


$Y_1 = O$, L_{A161}
 $Y_1 = S$, L_{A162}
 $Y_1 = NCH_3$, L_{A163}
 $Y_1 = C(CH_3)_2$, L_{A164}

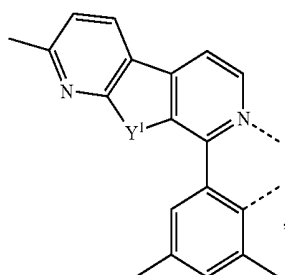


$Y_1 = O$, L_{A181}
 $Y_1 = S$, L_{A182}
 $Y_1 = NCH_3$, L_{A183}
 $Y_1 = C(CH_3)_2$, L_{A184}

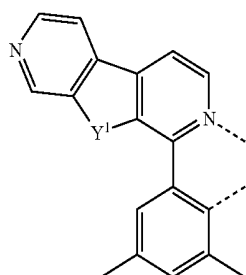
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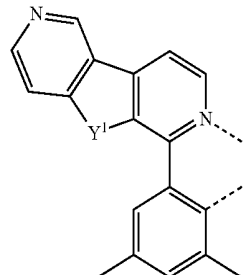
$Y_1 = O, L_{A185}$
 $Y_1 = S, L_{A186}$
 $Y_1 = NCH_3, L_{A187}$
 $Y_1 = C(CH_3)_2, L_{A188}$



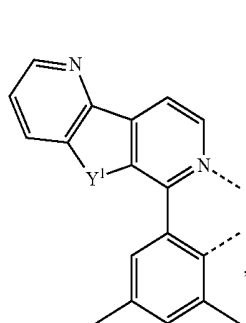
$Y_1 = O, L_{A189}$
 $Y_1 = S, L_{A190}$
 $Y_1 = NCH_3, L_{A191}$
 $Y_1 = C(CH_3)_2, L_{A192}$



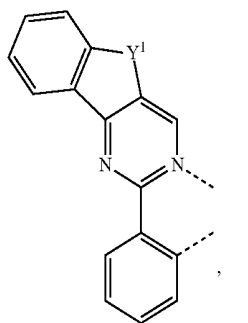
$Y_1 = O, L_{A193}$
 $Y_1 = S, L_{A194}$
 $Y_1 = NCH_3, L_{A195}$
 $Y_1 = C(CH_3)_2, L_{A196}$



$Y_1 = O, L_{A197}$
 $Y_1 = S, L_{A198}$
 $Y_1 = NCH_3, L_{A199}$
 $Y_1 = C(CH_3)_2, L_{A200}$

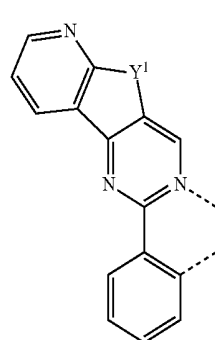


$Y_1 = O, L_{A201}$
 $Y_1 = S, L_{A202}$
 $Y_1 = NCH_3, L_{A203}$
 $Y_1 = C(CH_3)_2, L_{A204}$

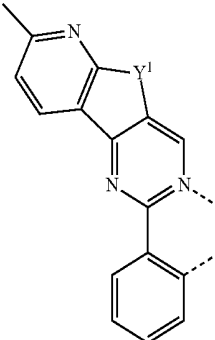


$Y_1 = O, L_{A205}$
 $Y_1 = S, L_{A206}$
 $Y_1 = NCH_3, L_{A207}$
 $Y_1 = C(CH_3)_2, L_{A208}$

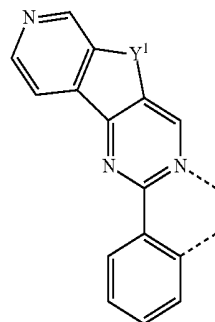
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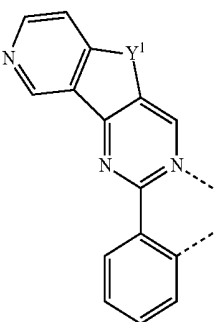
$Y_1 = O, L_{A209}$
 $Y_1 = S, L_{A210}$
 $Y_1 = NCH_3, L_{A211}$
 $Y_1 = C(CH_3)_2, L_{A212}$



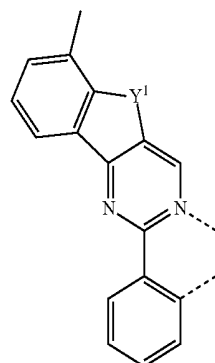
$Y_1 = O, L_{A213}$
 $Y_1 = S, L_{A214}$
 $Y_1 = NCH_3, L_{A215}$
 $Y_1 = C(CH_3)_2, L_{A216}$



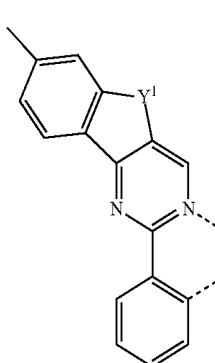
$Y_1 = O, L_{A217}$
 $Y_1 = S, L_{A218}$
 $Y_1 = NCH_3, L_{A219}$
 $Y_1 = C(CH_3)_2, L_{A220}$



$Y_1 = O, L_{A221}$
 $Y_1 = S, L_{A222}$
 $Y_1 = NCH_3, L_{A223}$
 $Y_1 = C(CH_3)_2, L_{A224}$

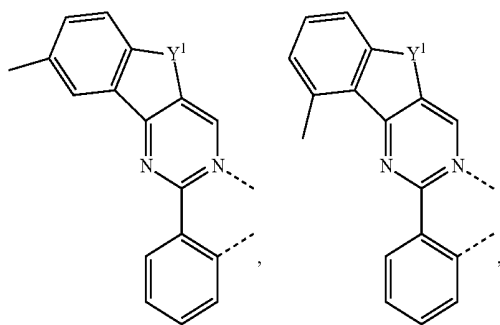


$Y_1 = O, L_{A225}$
 $Y_1 = S, L_{A226}$
 $Y_1 = NCH_3, L_{A227}$
 $Y_1 = C(CH_3)_2, L_{A228}$



$Y_1 = O, L_{A229}$
 $Y_1 = S, L_{A230}$
 $Y_1 = NCH_3, L_{A231}$
 $Y_1 = C(CH_3)_2, L_{A232}$

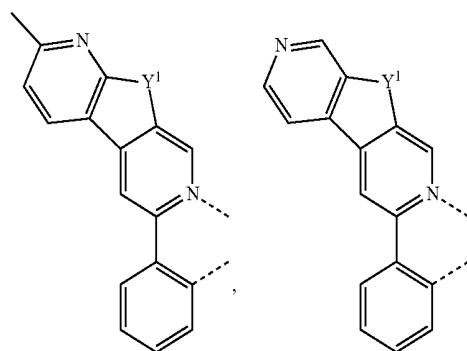
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$Y_1 = O$, L₄₂₃₃
 $Y_1 = S$, L₄₂₃₄
 $Y_1 = NCH_3$, L₄₂₃₅
 $Y_1 = C(CH_3)_2$, L₄₂₃₆

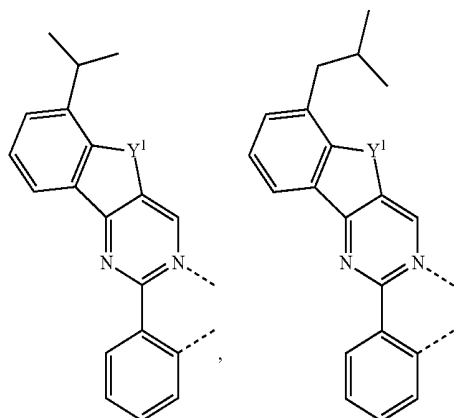
$Y_1 = O$, L₄₂₃₇
 $Y_1 = S$, L₄₂₃₈
 $Y_1 = NCH_3$, L₄₂₃₉
 $Y_1 = C(CH_3)_2$, L₄₂₄₀

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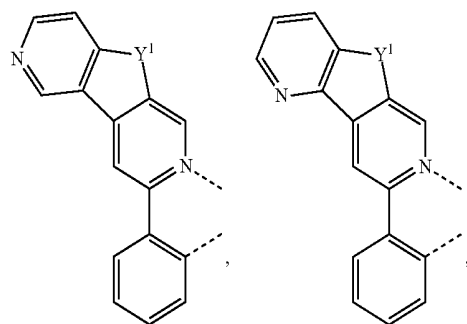
$Y_1 = O$, L₄₂₅₇
 $Y_1 = S$, L₄₂₅₈
 $Y_1 = NCH_3$, L₄₂₅₉
 $Y_1 = C(CH_3)_2$, L₄₂₆₀

$Y_1 = O$, L₄₂₆₁
 $Y_1 = S$, L₄₂₆₂
 $Y_1 = NCH_3$, L₄₂₆₃
 $Y_1 = C(CH_3)_2$, L₄₂₆₄



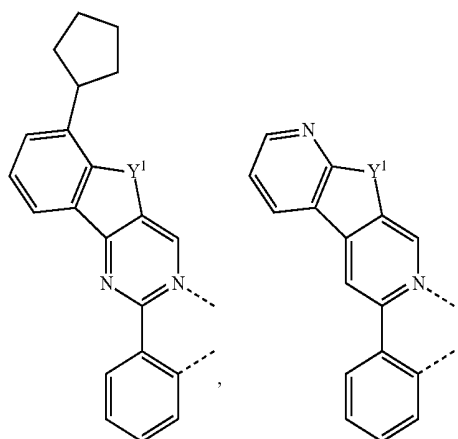
$Y_1 = O$, L₄₂₄₁
 $Y_1 = S$, L₄₂₄₂
 $Y_1 = NCH_3$, L₄₂₄₃
 $Y_1 = C(CH_3)_2$, L₄₂₄₄

$Y_1 = O$, L₄₂₄₅
 $Y_1 = S$, L₄₂₄₆
 $Y_1 = NCH_3$, L₄₂₄₇
 $Y_1 = C(CH_3)_2$, L₄₂₄₈



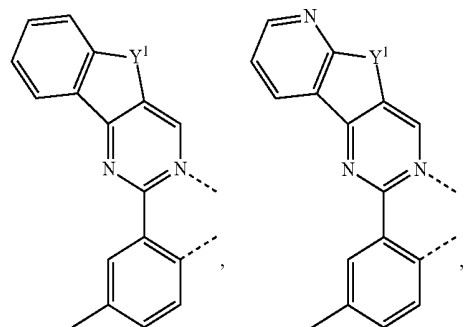
$Y_1 = O$, L₄₂₆₅
 $Y_1 = S$, L₄₂₆₆
 $Y_1 = NCH_3$, L₄₂₆₇
 $Y_1 = C(CH_3)_2$, L₄₂₆₈

$Y_1 = O$, L₄₂₆₉
 $Y_1 = S$, L₄₂₇₀
 $Y_1 = NCH_3$, L₄₂₇₁
 $Y_1 = C(CH_3)_2$, L₄₂₇₂



$Y_1 = O$, L₄₂₄₉
 $Y_1 = S$, L₄₂₅₀
 $Y_1 = NCH_3$, L₄₂₅₁
 $Y_1 = C(CH_3)_2$, L₄₂₅₂

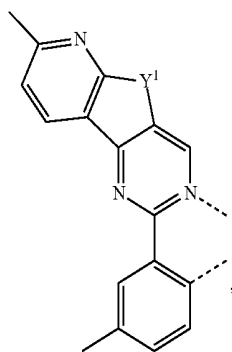
$Y_1 = O$, L₄₂₅₃
 $Y_1 = S$, L₄₂₅₄
 $Y_1 = NCH_3$, L₄₂₅₅
 $Y_1 = C(CH_3)_2$, L₄₂₅₆



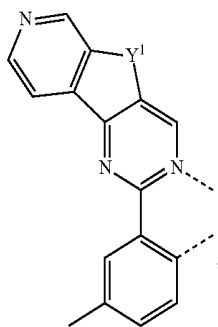
$Y_1 = O$, L₄₂₇₃
 $Y_1 = S$, L₄₂₇₄
 $Y_1 = NCH_3$, L₄₂₇₅
 $Y_1 = C(CH_3)_2$, L₄₂₇₆

$Y_1 = O$, L₄₂₇₇
 $Y_1 = S$, L₄₂₇₈
 $Y_1 = NCH_3$, L₄₂₇₉
 $Y_1 = C(CH_3)_2$, L₄₂₈₀

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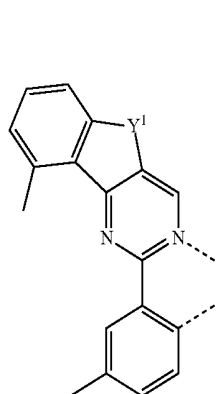


$Y_1 = O$, L_{A281}
 $Y_1 = S$, L_{A282}
 $Y_1 = NCH_3$, L_{A283}
 $Y_1 = C(CH_3)_2$, L_{A284}

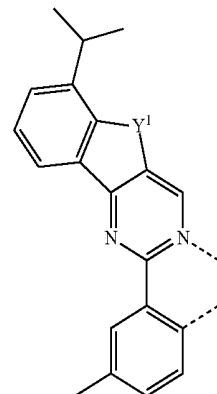


$Y_1 = O$, L_{A285}
 $Y_1 = S$, L_{A286}
 $Y_1 = NCH_3$, L_{A287}
 $Y_1 = C(CH_3)_2$, L_{A288}

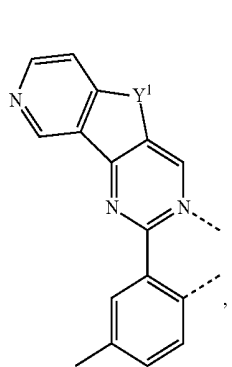
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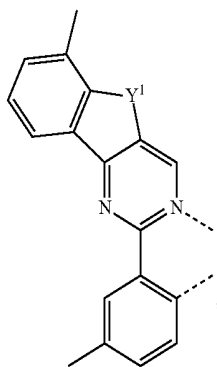
$Y_1 = O$, L_{A305}
 $Y_1 = S$, L_{A306}
 $Y_1 = NCH_3$, L_{A307}
 $Y_1 = C(CH_3)_2$, L_{A308}



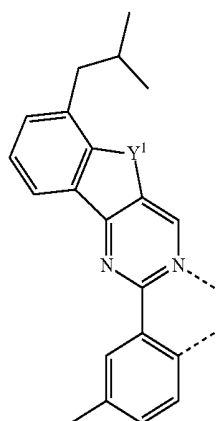
$Y_1 = O$, L_{A309}
 $Y_1 = S$, L_{A310}
 $Y_1 = NCH_3$, L_{A311}
 $Y_1 = C(CH_3)_2$, L_{A312}



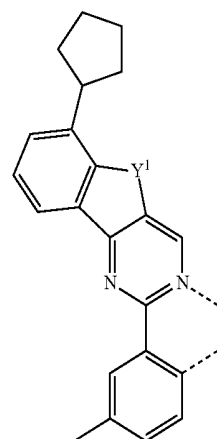
$Y_1 = O$, L_{A289}
 $Y_1 = S$, L_{A290}
 $Y_1 = NCH_3$, L_{A291}
 $Y_1 = C(CH_3)_2$, L_{A292}



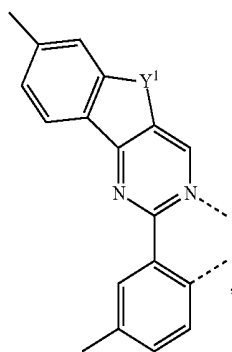
$Y_1 = O$, L_{A293}
 $Y_1 = S$, L_{A294}
 $Y_1 = NCH_3$, L_{A295}
 $Y_1 = C(CH_3)_2$, L_{A296}



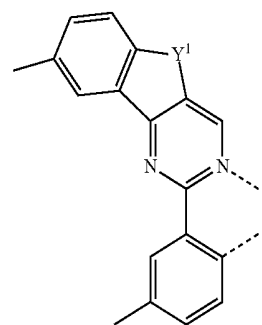
$Y_1 = O$, L_{A313}
 $Y_1 = S$, L_{A314}
 $Y_1 = NCH_3$, L_{A315}
 $Y_1 = C(CH_3)_2$, L_{A316}



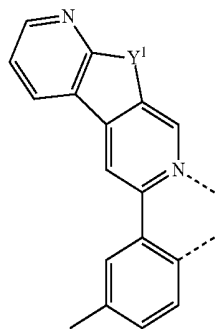
$Y_1 = O$, L_{A317}
 $Y_1 = S$, L_{A318}
 $Y_1 = NCH_3$, L_{A319}
 $Y_1 = C(CH_3)_2$, L_{A320}



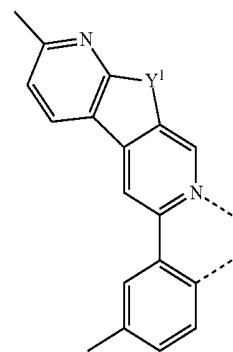
$Y_1 = O$, L_{A297}
 $Y_1 = S$, L_{A298}
 $Y_1 = NCH_3$, L_{A299}
 $Y_1 = C(CH_3)_2$, L_{A300}



$Y_1 = O$, L_{A301}
 $Y_1 = S$, L_{A302}
 $Y_1 = NCH_3$, L_{A303}
 $Y_1 = C(CH_3)_2$, L_{A304}

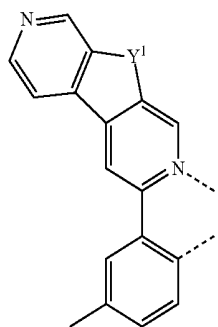


$Y_1 = O$, L_{A321}
 $Y_1 = S$, L_{A322}
 $Y_1 = NCH_3$, L_{A323}
 $Y_1 = C(CH_3)_2$, L_{A324}

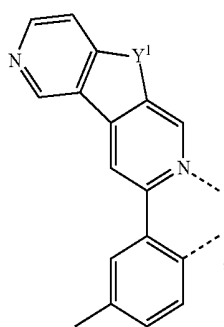


$Y_1 = O$, L_{A325}
 $Y_1 = S$, L_{A326}
 $Y_1 = NCH_3$, L_{A327}
 $Y_1 = C(CH_3)_2$, L_{A328}

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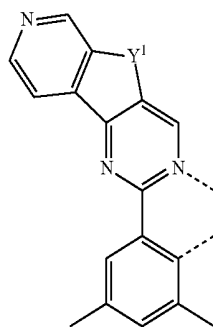


$Y_1 = O$, L_{A329}
 $Y_1 = S$, L_{A330}
 $Y_1 = NCH_3$, L_{A331}
 $Y_1 = C(CH_3)_2$, L_{A332}

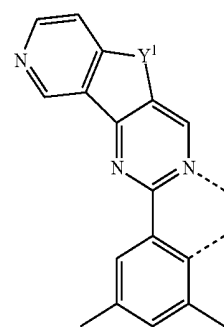


$Y_1 = O$, L_{A333}
 $Y_1 = S$, L_{A334}
 $Y_1 = NCH_3$, L_{A335}
 $Y_1 = C(CH_3)_2$, L_{A336}

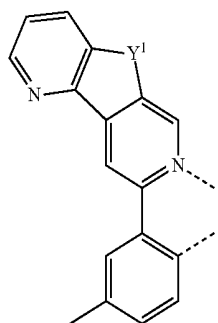
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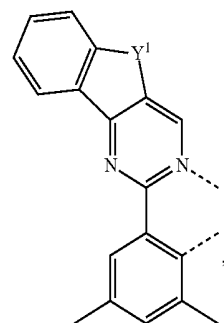
$Y_1 = O$, L_{A353}
 $Y_1 = S$, L_{A354}
 $Y_1 = NCH_3$, L_{A355}
 $Y_1 = C(CH_3)_2$, L_{A356}



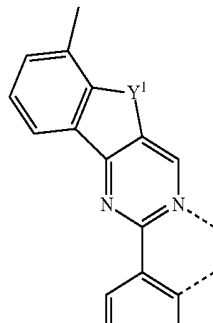
$Y_1 = O$, L_{A357}
 $Y_1 = S$, L_{A358}
 $Y_1 = NCH_3$, L_{A359}
 $Y_1 = C(CH_3)_2$, L_{A360}



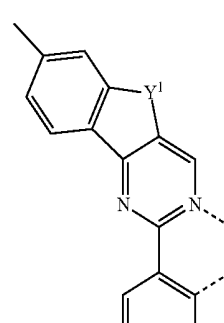
$Y_1 = O$, L_{A337}
 $Y_1 = S$, L_{A338}
 $Y_1 = NCH_3$, L_{A339}
 $Y_1 = C(CH_3)_2$, L_{A340}



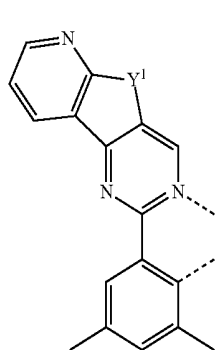
$Y_1 = O$, L_{A341}
 $Y_1 = S$, L_{A342}
 $Y_1 = NCH_3$, L_{A343}
 $Y_1 = C(CH_3)_2$, L_{A344}



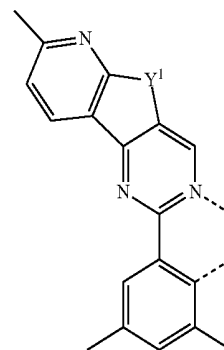
$Y_1 = O$, L_{A361}
 $Y_1 = S$, L_{A362}
 $Y_1 = NCH_3$, L_{A363}
 $Y_1 = C(CH_3)_2$, L_{A364}



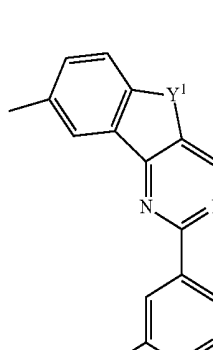
$Y_1 = O$, L_{A365}
 $Y_1 = S$, L_{A366}
 $Y_1 = NCH_3$, L_{A367}
 $Y_1 = C(CH_3)_2$, L_{A368}



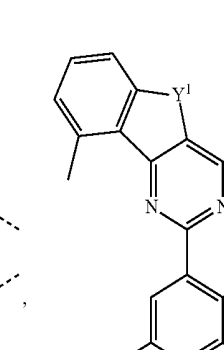
$Y_1 = O$, L_{A345}
 $Y_1 = S$, L_{A346}
 $Y_1 = NCH_3$, L_{A347}
 $Y_1 = C(CH_3)_2$, L_{A348}



$Y_1 = O$, L_{A349}
 $Y_1 = S$, L_{A350}
 $Y_1 = NCH_3$, L_{A351}
 $Y_1 = C(CH_3)_2$, L_{A352}

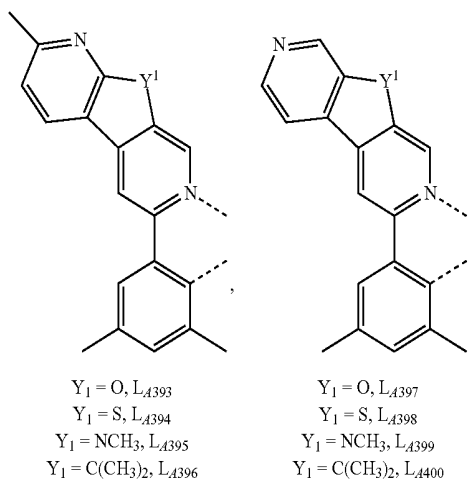
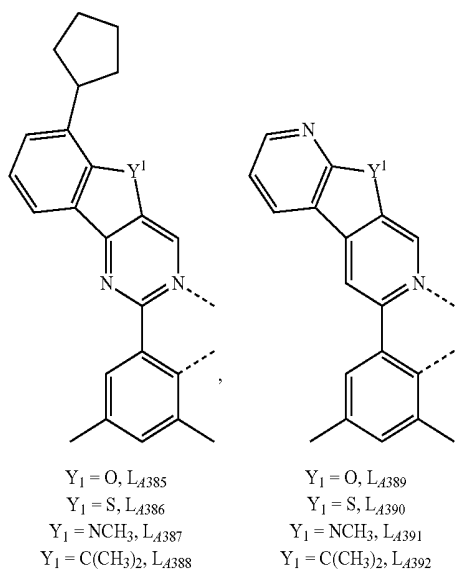
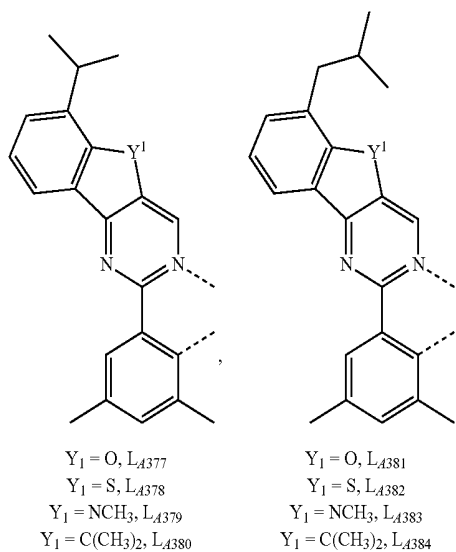


$Y_1 = O$, L_{A369}
 $Y_1 = S$, L_{A370}
 $Y_1 = NCH_3$, L_{A371}
 $Y_1 = C(CH_3)_2$, L_{A372}

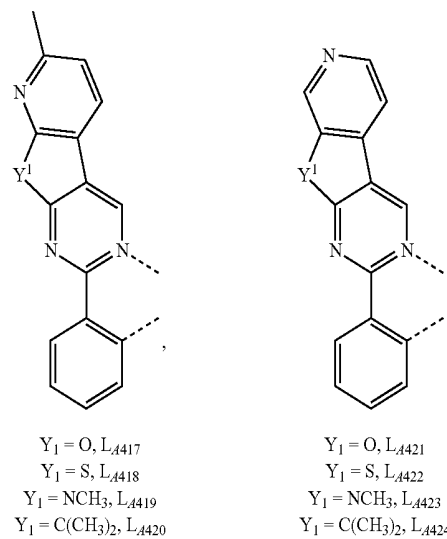
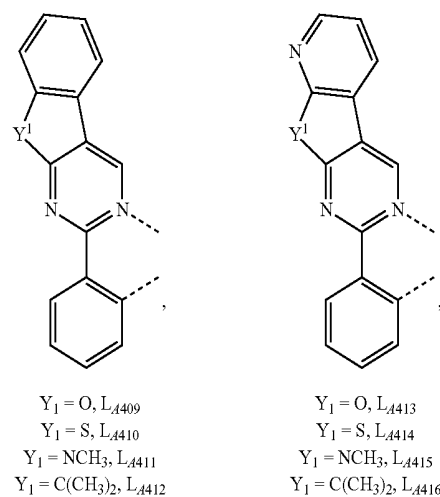
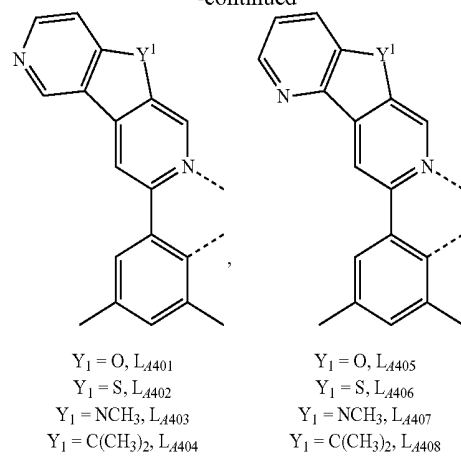


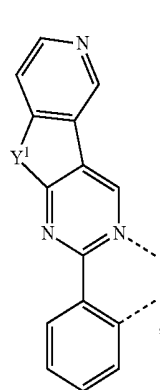
$Y_1 = O$, L_{A373}
 $Y_1 = S$, L_{A374}
 $Y_1 = NCH_3$, L_{A375}
 $Y_1 = C(CH_3)_2$, L_{A376}

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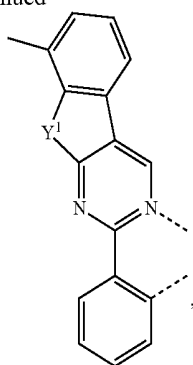
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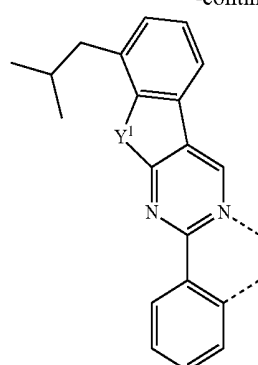
$Y_1 = O$, L_{A425}
 $Y_1 = S$, L_{A426}
 $Y_1 = NCH_3$, L_{A427}
 $Y_1 = C(CH_3)_2$, L_{A428}

-continued

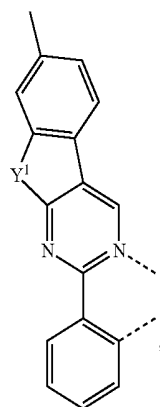


$Y_1 = O$, L_{A429}
 $Y_1 = S$, L_{A430}
 $Y_1 = NCH_3$, L_{A431}
 $Y_1 = C(CH_3)_2$, L_{A432}

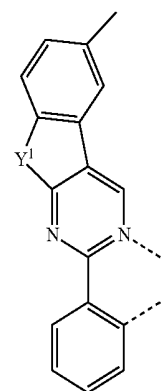
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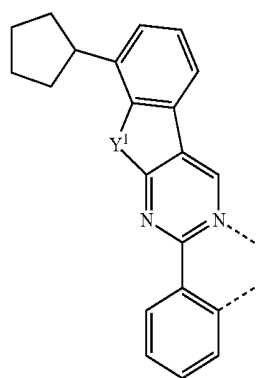
$Y_1 = O$, L_{A449}
 $Y_1 = S$, L_{A450}
 $Y_1 = NCH_3$, L_{A451}
 $Y_1 = C(CH_3)_2$, L_{A452}



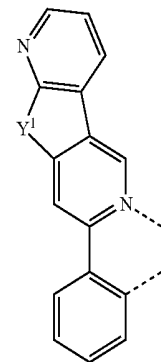
$Y_1 = O$, L_{A433}
 $Y_1 = S$, L_{A434}
 $Y_1 = NCH_3$, L_{A435}
 $Y_1 = C(CH_3)_2$, L_{A436}



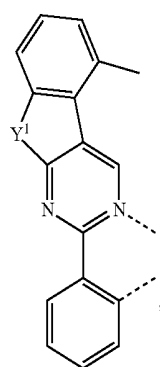
$Y_1 = O$, L_{A437}
 $Y_1 = S$, L_{A438}
 $Y_1 = NCH_3$, L_{A439}
 $Y_1 = C(CH_3)_2$, L_{A440}



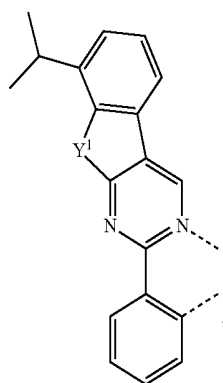
$Y_1 = O$, L_{A453}
 $Y_1 = S$, L_{A454}
 $Y_1 = NCH_3$, L_{A455}
 $Y_1 = C(CH_3)_2$, L_{A456}



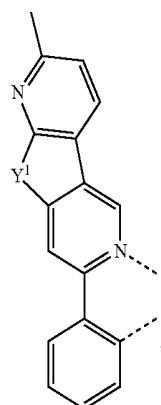
$Y_1 = O$, L_{A457}
 $Y_1 = S$, L_{A458}
 $Y_1 = NCH_3$, L_{A459}
 $Y_1 = C(CH_3)_2$, L_{A460}



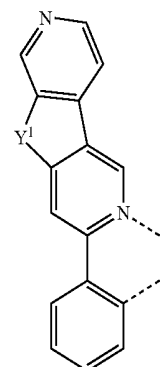
$Y_1 = O$, L_{A441}
 $Y_1 = S$, L_{A442}
 $Y_1 = NCH_3$, L_{A443}
 $Y_1 = C(CH_3)_2$, L_{A444}



$Y_1 = O$, L_{A445}
 $Y_1 = S$, L_{A446}
 $Y_1 = NCH_3$, L_{A447}
 $Y_1 = C(CH_3)_2$, L_{A448}

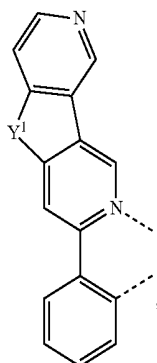


$Y_1 = O$, L_{A461}
 $Y_1 = S$, L_{A462}
 $Y_1 = NCH_3$, L_{A463}
 $Y_1 = C(CH_3)_2$, L_{A464}

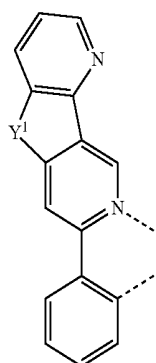


$Y_1 = O$, L_{A465}
 $Y_1 = S$, L_{A466}
 $Y_1 = NCH_3$, L_{A467}
 $Y_1 = C(CH_3)_2$, L_{A468}

-continued

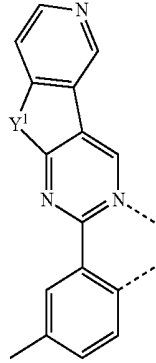


$Y_1 = O, L_{A469}$
 $Y_1 = S, L_{A470}$
 $Y_1 = NCH_3, L_{A471}$
 $Y_1 = C(CH_3)_2, L_{A472}$

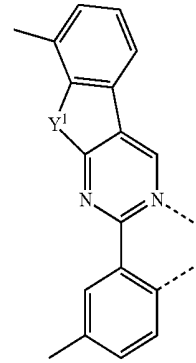


$Y_1 = O, L_{A473}$
 $Y_1 = S, L_{A474}$
 $Y_1 = NCH_3, L_{A475}$
 $Y_1 = C(CH_3)_2, L_{A476}$

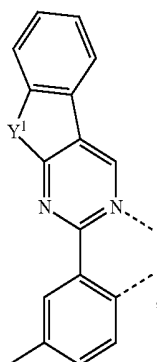
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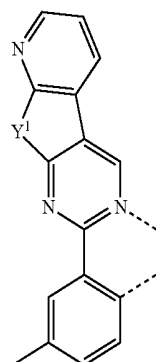
$Y_1 = O, L_{A493}$
 $Y_1 = S, L_{A494}$
 $Y_1 = NCH_3, L_{A495}$
 $Y_1 = C(CH_3)_2, L_{A496}$



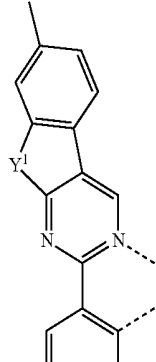
$Y_1 = O, L_{A497}$
 $Y_1 = S, L_{A498}$
 $Y_1 = NCH_3, L_{A499}$
 $Y_1 = C(CH_3)_2, L_{A500}$



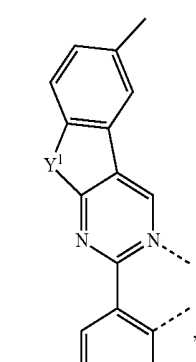
$Y_1 = O, L_{A477}$
 $Y_1 = S, L_{A478}$
 $Y_1 = NCH_3, L_{A479}$
 $Y_1 = C(CH_3)_2, L_{A480}$



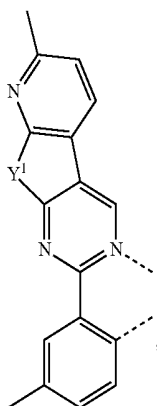
$Y_1 = O, L_{A481}$
 $Y_1 = S, L_{A482}$
 $Y_1 = NCH_3, L_{A483}$
 $Y_1 = C(CH_3)_2, L_{A484}$



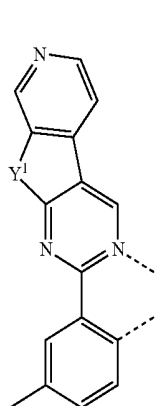
$Y_1 = O, L_{A501}$
 $Y_1 = S, L_{A502}$
 $Y_1 = NCH_3, L_{A503}$
 $Y_1 = C(CH_3)_2, L_{A504}$



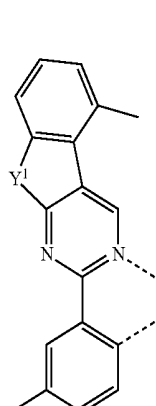
$Y_1 = O, L_{A505}$
 $Y_1 = S, L_{A506}$
 $Y_1 = NCH_3, L_{A507}$
 $Y_1 = C(CH_3)_2, L_{A508}$



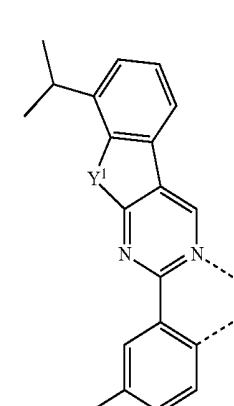
$Y_1 = O, L_{A485}$
 $Y_1 = S, L_{A486}$
 $Y_1 = NCH_3, L_{A487}$
 $Y_1 = C(CH_3)_2, L_{A488}$



$Y_1 = O, L_{A489}$
 $Y_1 = S, L_{A490}$
 $Y_1 = NCH_3, L_{A491}$
 $Y_1 = C(CH_3)_2, L_{A492}$

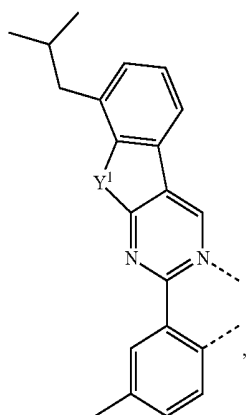


$Y_1 = O, L_{A509}$
 $Y_1 = S, L_{A510}$
 $Y_1 = NCH_3, L_{A511}$
 $Y_1 = C(CH_3)_2, L_{A512}$

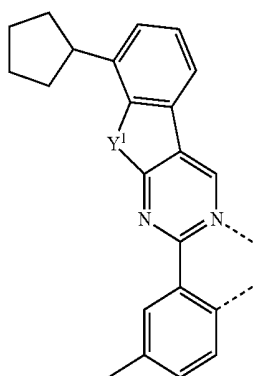


$Y_1 = O, L_{A513}$
 $Y_1 = S, L_{A514}$
 $Y_1 = NCH_3, L_{A515}$
 $Y_1 = C(CH_3)_2, L_{A516}$

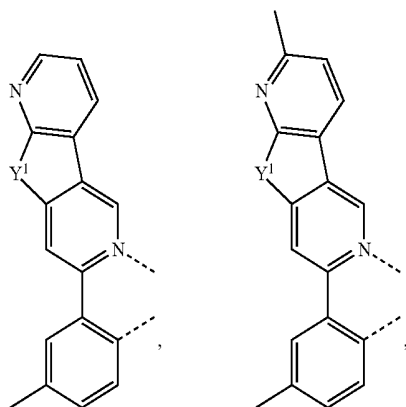
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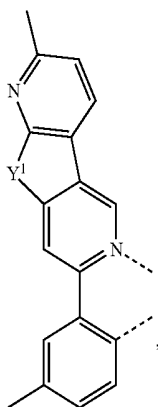
Y₁ = O, L_{A517}
Y₁ = S, L_{A518}
Y₁ = NCH₃, L_{A519}
Y₁ = C(CH₃)₂, L_{A520}



Y₁ = O, L_{A521}
Y₁ = S, L_{A522}
Y₁ = NCH₃, L_{A523}
Y₁ = C(CH₃)₂, L_{A524}

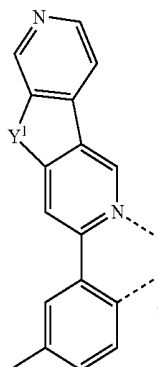


Y₁ = O, L_{A525}
Y₁ = S, L_{A526}
Y₁ = NCH₃, L_{A527}
Y₁ = C(CH₃)₂, L_{A528}

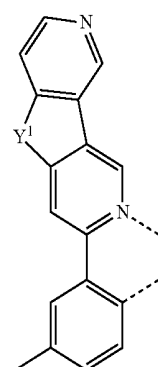


Y₁ = O, L_{A529}
Y₁ = S, L_{A530}
Y₁ = NCH₃, L_{A531}
Y₁ = C(CH₃)₂, L_{A532}

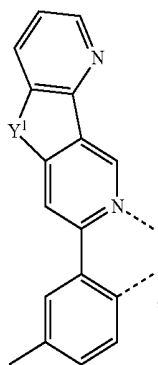
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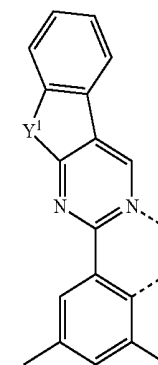
Y₁ = O, L_{A533}
Y₁ = S, L_{A534}
Y₁ = NCH₃, L_{A535}
Y₁ = C(CH₃)₂, L_{A536}



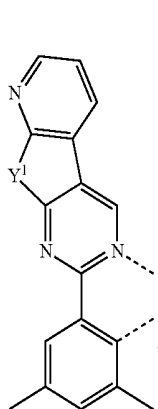
Y₁ = O, L_{A537}
Y₁ = S, L_{A538}
Y₁ = NCH₃, L_{A539}
Y₁ = C(CH₃)₂, L_{A540}



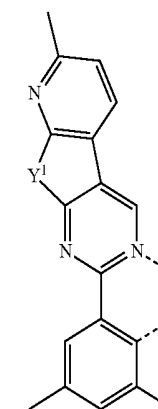
Y₁ = O, L_{A541}
Y₁ = S, L_{A542}
Y₁ = NCH₃, L_{A543}
Y₁ = C(CH₃)₂, L_{A544}



Y₁ = O, L_{A545}
Y₁ = S, L_{A546}
Y₁ = NCH₃, L_{A547}
Y₁ = C(CH₃)₂, L_{A548}

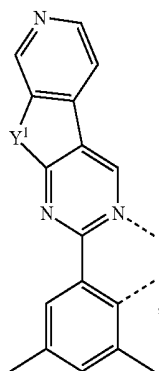


Y₁ = O, L_{A549}
Y₁ = S, L_{A550}
Y₁ = NCH₃, L_{A551}
Y₁ = C(CH₃)₂, L_{A552}

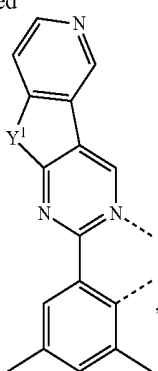


Y₁ = O, L_{A553}
Y₁ = S, L_{A554}
Y₁ = NCH₃, L_{A555}
Y₁ = C(CH₃)₂, L_{A556}

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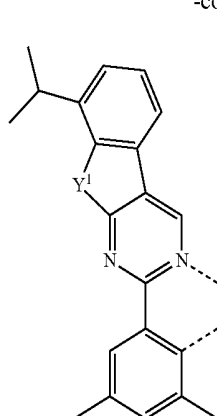


$Y_1 = O$, L_{A557}
 $Y_1 = S$, L_{A558}
 $Y_1 = NCH_3$, L_{A559}
 $Y_1 = C(CH_3)_2$, L_{A560}

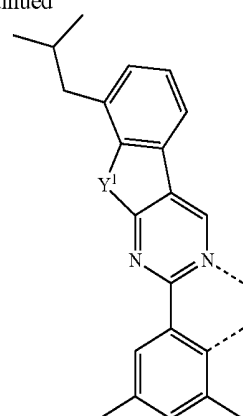


$Y_1 = O$, L_{A561}
 $Y_1 = S$, L_{A562}
 $Y_1 = NCH_3$, L_{A563}
 $Y_1 = C(CH_3)_2$, L_{A564}

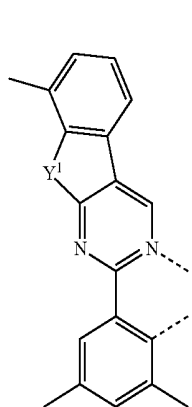
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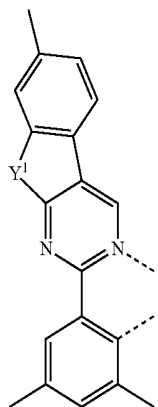
$Y_1 = O$, L_{A581}
 $Y_1 = S$, L_{A582}
 $Y_1 = NCH_3$, L_{A583}
 $Y_1 = C(CH_3)_2$, L_{A584}



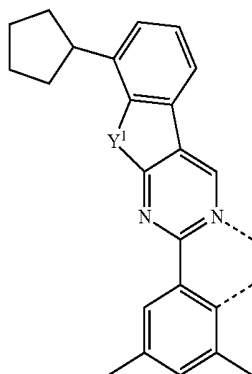
$Y_1 = O$, L_{A585}
 $Y_1 = S$, L_{A586}
 $Y_1 = NCH_3$, L_{A587}
 $Y_1 = C(CH_3)_2$, L_{A588}



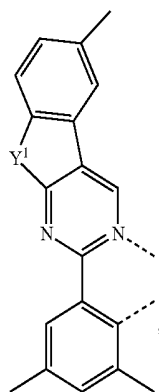
$Y_1 = O$, L_{A565}
 $Y_1 = S$, L_{A566}
 $Y_1 = NCH_3$, L_{A567}
 $Y_1 = C(CH_3)_2$, L_{A568}



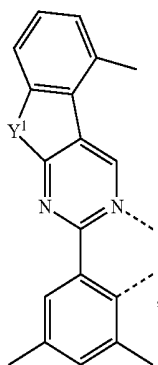
$Y_1 = O$, L_{A569}
 $Y_1 = S$, L_{A570}
 $Y_1 = NCH_3$, L_{A571}
 $Y_1 = C(CH_3)_2$, L_{A572}



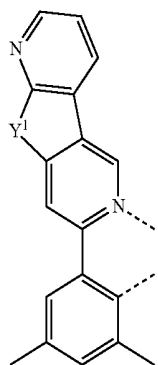
$Y_1 = O$, L_{A589}
 $Y_1 = S$, L_{A590}
 $Y_1 = NCH_3$, L_{A591}
 $Y_1 = C(CH_3)_2$, L_{A592}



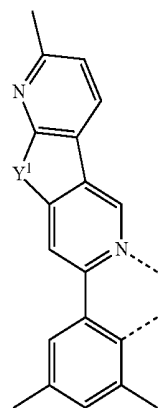
$Y_1 = O$, L_{A573}
 $Y_1 = S$, L_{A574}
 $Y_1 = NCH_3$, L_{A575}
 $Y_1 = C(CH_3)_2$, L_{A576}



$Y_1 = O$, L_{A577}
 $Y_1 = S$, L_{A578}
 $Y_1 = NCH_3$, L_{A579}
 $Y_1 = C(CH_3)_2$, L_{A580}

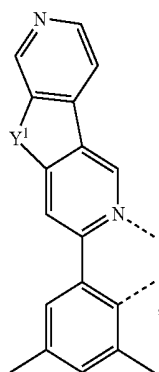


$Y_1 = O$, L_{A593}
 $Y_1 = S$, L_{A594}
 $Y_1 = NCH_3$, L_{A595}
 $Y_1 = C(CH_3)_2$, L_{A596}

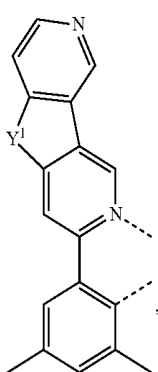


$Y_1 = O$, L_{A597}
 $Y_1 = S$, L_{A598}
 $Y_1 = NCH_3$, L_{A599}
 $Y_1 = C(CH_3)_2$, L_{A600}

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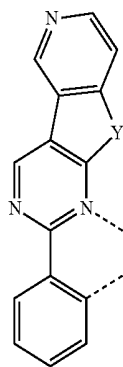


$Y_1 = O, L_{A601}$
 $Y_1 = S, L_{A602}$
 $Y_1 = NCH_3, L_{A603}$
 $Y_1 = C(CH_3)_2, L_{A604}$

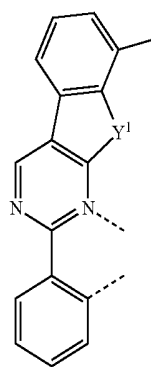


$Y_1 = O, L_{A605}$
 $Y_1 = S, L_{A606}$
 $Y_1 = NCH_3, L_{A607}$
 $Y_1 = C(CH_3)_2, L_{A608}$

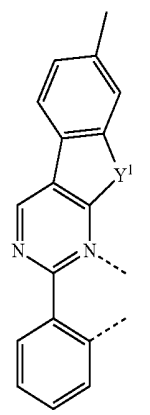
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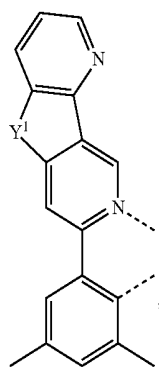
$Y_1 = O, L_{A629}$
 $Y_1 = S, L_{A630}$
 $Y_1 = NCH_3, L_{A631}$
 $Y_1 = C(CH_3)_2, L_{A632}$



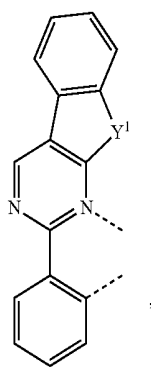
$Y_1 = O, L_{A633}$
 $Y_1 = S, L_{A634}$
 $Y_1 = NCH_3, L_{A635}$
 $Y_1 = C(CH_3)_2, L_{A636}$



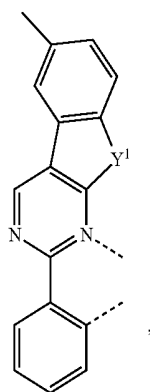
$Y_1 = O, L_{A637}$
 $Y_1 = S, L_{A638}$
 $Y_1 = NCH_3, L_{A639}$
 $Y_1 = C(CH_3)_2, L_{A640}$



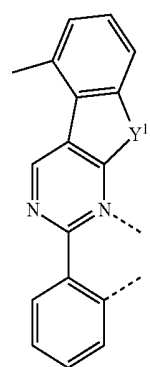
$Y_1 = O, L_{A609}$
 $Y_1 = S, L_{A610}$
 $Y_1 = NCH_3, L_{A611}$
 $Y_1 = C(CH_3)_2, L_{A612}$



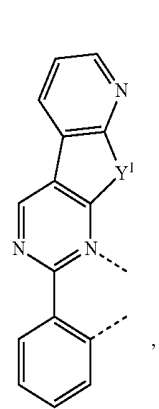
$Y_1 = O, L_{A613}$
 $Y_1 = S, L_{A614}$
 $Y_1 = NCH_3, L_{A615}$
 $Y_1 = C(CH_3)_2, L_{A616}$



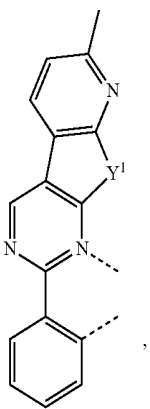
$Y_1 = O, L_{A641}$
 $Y_1 = S, L_{A642}$
 $Y_1 = NCH_3, L_{A643}$
 $Y_1 = C(CH_3)_2, L_{A644}$



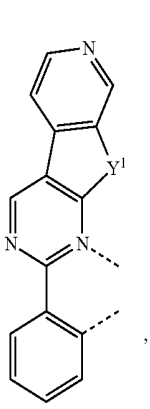
$Y_1 = O, L_{A645}$
 $Y_1 = S, L_{A646}$
 $Y_1 = NCH_3, L_{A647}$
 $Y_1 = C(CH_3)_2, L_{A648}$



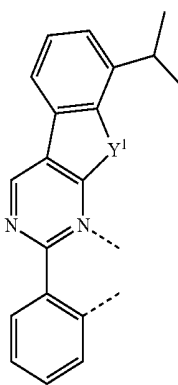
$Y_1 = O, L_{A617}$
 $Y_1 = S, L_{A618}$
 $Y_1 = NCH_3, L_{A619}$
 $Y_1 = C(CH_3)_2, L_{A620}$



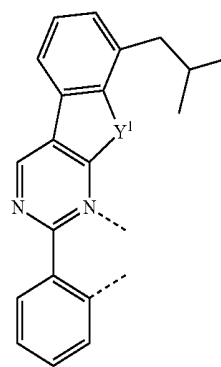
$Y_1 = O, L_{A621}$
 $Y_1 = S, L_{A622}$
 $Y_1 = NCH_3, L_{A623}$
 $Y_1 = C(CH_3)_2, L_{A624}$



$Y_1 = O, L_{A625}$
 $Y_1 = S, L_{A626}$
 $Y_1 = NCH_3, L_{A627}$
 $Y_1 = C(CH_3)_2, L_{A628}$

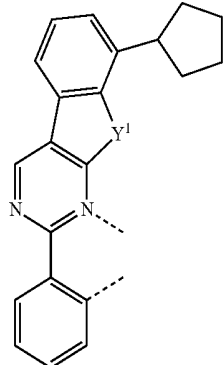


$Y_1 = O, L_{A649}$
 $Y_1 = S, L_{A650}$
 $Y_1 = NCH_3, L_{A651}$
 $Y_1 = C(CH_3)_2, L_{A652}$

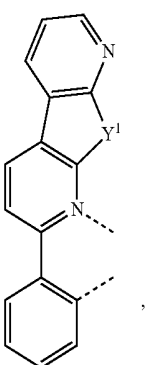


$Y_1 = O, L_{A653}$
 $Y_1 = S, L_{A654}$
 $Y_1 = NCH_3, L_{A655}$
 $Y_1 = C(CH_3)_2, L_{A656}$

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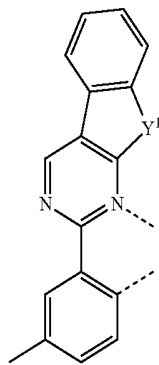


$Y_1 = O, L_{A657}$
 $Y_1 = S, L_{A658}$
 $Y_1 = NCH_3, L_{A659}$
 $Y_1 = C(CH_3)_2, L_{A660}$

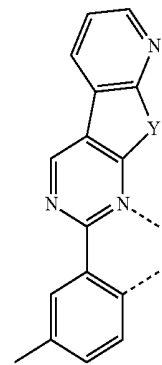


$Y_1 = O, L_{A661}$
 $Y_1 = S, L_{A662}$
 $Y_1 = NCH_3, L_{A663}$
 $Y_1 = C(CH_3)_2, L_{A664}$

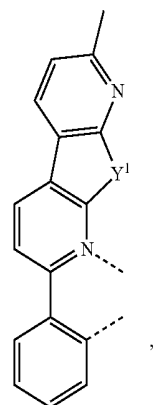
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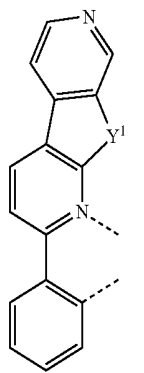
$Y_1 = O, L_{A681}$
 $Y_1 = S, L_{A682}$
 $Y_1 = NCH_3, L_{A683}$
 $Y_1 = C(CH_3)_2, L_{A684}$



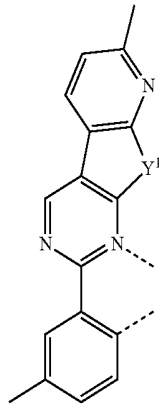
$Y_1 = O, L_{A685}$
 $Y_1 = S, L_{A686}$
 $Y_1 = NCH_3, L_{A687}$
 $Y_1 = C(CH_3)_2, L_{A688}$



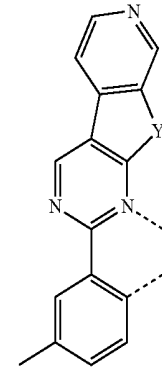
$Y_1 = O, L_{A665}$
 $Y_1 = S, L_{A666}$
 $Y_1 = NCH_3, L_{A667}$
 $Y_1 = C(CH_3)_2, L_{A668}$



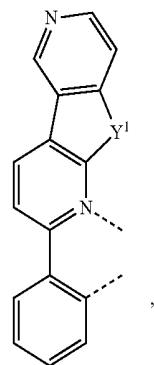
$Y_1 = O, L_{A669}$
 $Y_1 = S, L_{A670}$
 $Y_1 = NCH_3, L_{A671}$
 $Y_1 = C(CH_3)_2, L_{A672}$



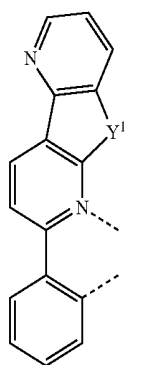
$Y_1 = O, L_{A689}$
 $Y_1 = S, L_{A690}$
 $Y_1 = NCH_3, L_{A691}$
 $Y_1 = C(CH_3)_2, L_{A692}$



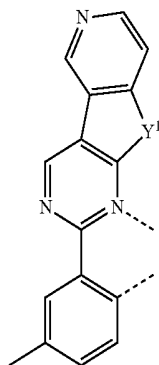
$Y_1 = O, L_{A693}$
 $Y_1 = S, L_{A694}$
 $Y_1 = NCH_3, L_{A695}$
 $Y_1 = C(CH_3)_2, L_{A696}$



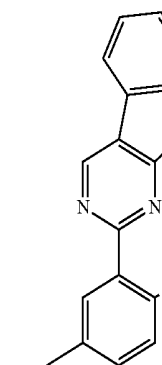
$Y_1 = O, L_{A673}$
 $Y_1 = S, L_{A674}$
 $Y_1 = NCH_3, L_{A675}$
 $Y_1 = C(CH_3)_2, L_{A676}$



$Y_1 = O, L_{A677}$
 $Y_1 = S, L_{A678}$
 $Y_1 = NCH_3, L_{A679}$
 $Y_1 = C(CH_3)_2, L_{A680}$

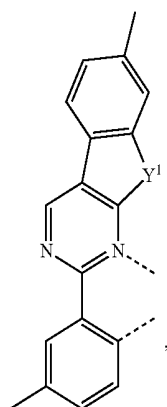


$Y_1 = O, L_{A697}$
 $Y_1 = S, L_{A698}$
 $Y_1 = NCH_3, L_{A699}$
 $Y_1 = C(CH_3)_2, L_{A700}$

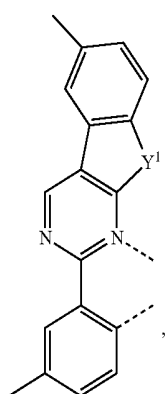


$Y_1 = O, L_{A701}$
 $Y_1 = S, L_{A702}$
 $Y_1 = NCH_3, L_{A703}$
 $Y_1 = C(CH_3)_2, L_{A704}$

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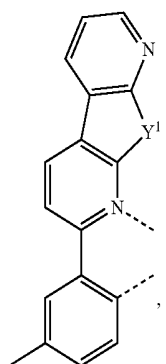


$Y_1 = O$, L_{A705}
 $Y_1 = S$, L_{A706}
 $Y_1 = NCH_3$, L_{A707}
 $Y_1 = C(CH_3)_2$, L_{A708}

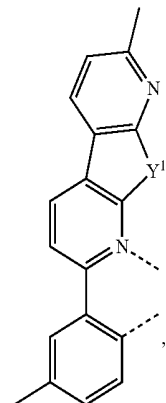


$Y_1 = O$, L_{A709}
 $Y_1 = S$, L_{A710}
 $Y_1 = NCH_3$, L_{A711}
 $Y_1 = C(CH_3)_2$, L_{A712}

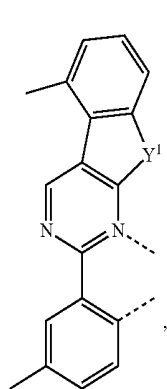
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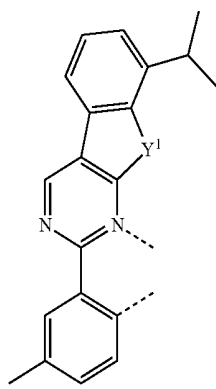
$Y_1 = O$, L_{A729}
 $Y_1 = S$, L_{A730}
 $Y_1 = NCH_3$, L_{A731}
 $Y_1 = C(CH_3)_2$, L_{A732}



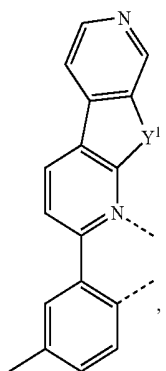
$Y_1 = O$, L_{A733}
 $Y_1 = S$, L_{A734}
 $Y_1 = NCH_3$, L_{A735}
 $Y_1 = C(CH_3)_2$, L_{A736}



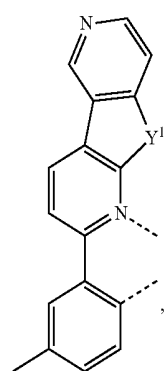
$Y_1 = O$, L_{A713}
 $Y_1 = S$, L_{A714}
 $Y_1 = NCH_3$, L_{A715}
 $Y_1 = C(CH_3)_2$, L_{A716}



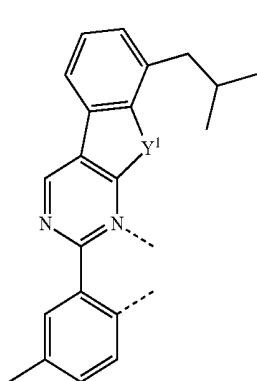
$Y_1 = O$, L_{A717}
 $Y_1 = S$, L_{A718}
 $Y_1 = NCH_3$, L_{A719}
 $Y_1 = C(CH_3)_2$, L_{A720}



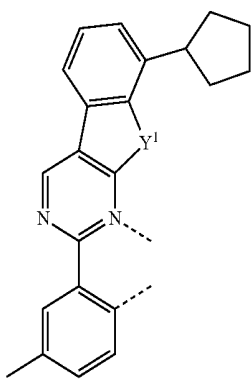
$Y_1 = O$, L_{A737}
 $Y_1 = S$, L_{A738}
 $Y_1 = NCH_3$, L_{A739}
 $Y_1 = C(CH_3)_2$, L_{A740}



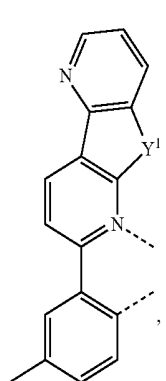
$Y_1 = O$, L_{A741}
 $Y_1 = S$, L_{A742}
 $Y_1 = NCH_3$, L_{A743}
 $Y_1 = C(CH_3)_2$, L_{A744}



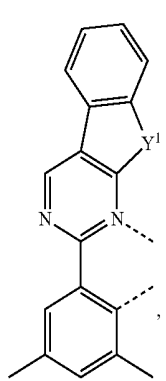
$Y_1 = O$, L_{A721}
 $Y_1 = S$, L_{A722}
 $Y_1 = NCH_3$, L_{A723}
 $Y_1 = C(CH_3)_2$, L_{A724}



$Y_1 = O$, L_{A725}
 $Y_1 = S$, L_{A726}
 $Y_1 = NCH_3$, L_{A727}
 $Y_1 = C(CH_3)_2$, L_{A728}

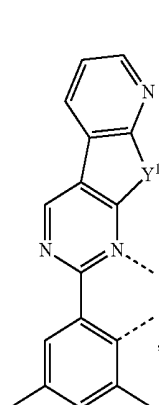


$Y_1 = O$, L_{A745}
 $Y_1 = S$, L_{A746}
 $Y_1 = NCH_3$, L_{A747}
 $Y_1 = C(CH_3)_2$, L_{A748}

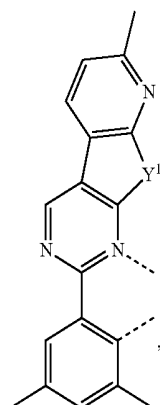


$Y_1 = O$, L_{A749}
 $Y_1 = S$, L_{A750}
 $Y_1 = NCH_3$, L_{A751}
 $Y_1 = C(CH_3)_2$, L_{A752}

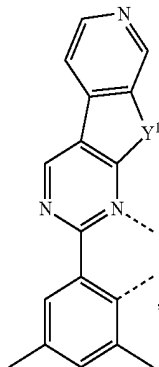
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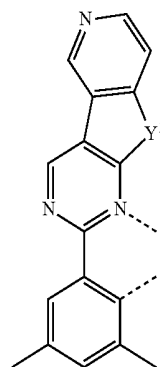
$Y_1 = O$, L_{A753}
 $Y_1 = S$, L_{A754}
 $Y_1 = NCH_3$, L_{A755}
 $Y_1 = C(CH_3)_2$, L_{A756}



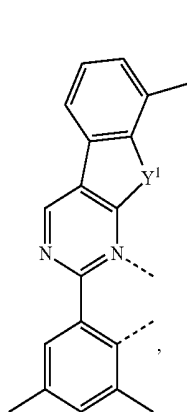
$Y_1 = O$, L_{A757}
 $Y_1 = S$, L_{A758}
 $Y_1 = NCH_3$, L_{A759}
 $Y_1 = C(CH_3)_2$, L_{A760}



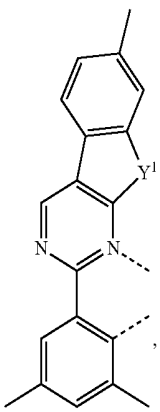
$Y_1 = O$, L_{A761}
 $Y_1 = S$, L_{A762}
 $Y_1 = NCH_3$, L_{A763}
 $Y_1 = C(CH_3)_2$, L_{A764}



$Y_1 = O$, L_{A765}
 $Y_1 = S$, L_{A766}
 $Y_1 = NCH_3$, L_{A767}
 $Y_1 = C(CH_3)_2$, L_{A768}

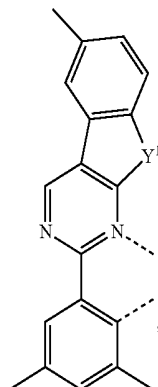


$Y_1 = O$, L_{A769}
 $Y_1 = S$, L_{A770}
 $Y_1 = NCH_3$, L_{A771}
 $Y_1 = C(CH_3)_2$, L_{A772}

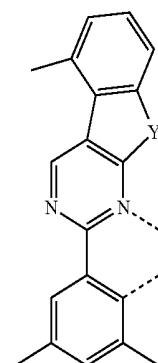


$Y_1 = O$, L_{A773}
 $Y_1 = S$, L_{A774}
 $Y_1 = NCH_3$, L_{A775}
 $Y_1 = C(CH_3)_2$, L_{A776}

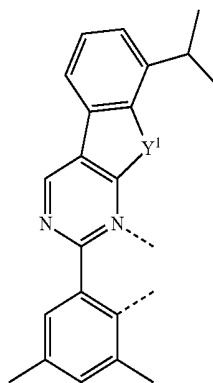
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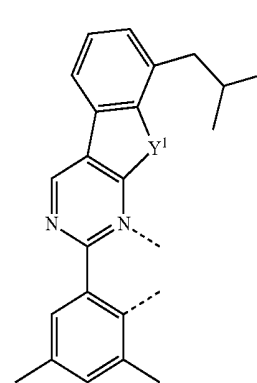
$Y_1 = O$, L_{A777}
 $Y_1 = S$, L_{A778}
 $Y_1 = NCH_3$, L_{A779}
 $Y_1 = C(CH_3)_2$, L_{A780}



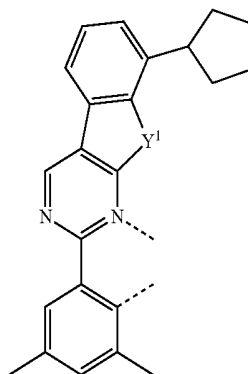
$Y_1 = O$, L_{A781}
 $Y_1 = S$, L_{A782}
 $Y_1 = NCH_3$, L_{A783}
 $Y_1 = C(CH_3)_2$, L_{A784}



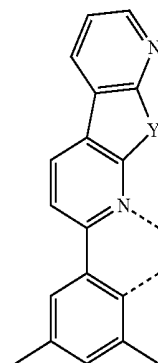
$Y_1 = O$, L_{A785}
 $Y_1 = S$, L_{A786}
 $Y_1 = NCH_3$, L_{A787}
 $Y_1 = C(CH_3)_2$, L_{A788}



$Y_1 = O$, L_{A789}
 $Y_1 = S$, L_{A790}
 $Y_1 = NCH_3$, L_{A791}
 $Y_1 = C(CH_3)_2$, L_{A792}

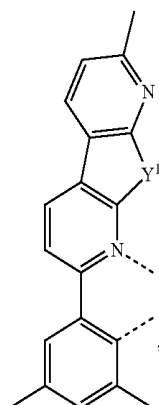


$Y_1 = O$, L_{A793}
 $Y_1 = S$, L_{A794}
 $Y_1 = NCH_3$, L_{A795}
 $Y_1 = C(CH_3)_2$, L_{A796}

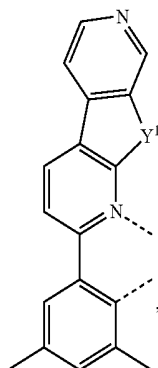


$Y_1 = O$, L_{A797}
 $Y_1 = S$, L_{A798}
 $Y_1 = NCH_3$, L_{A799}
 $Y_1 = C(CH_3)_2$, L_{A800}

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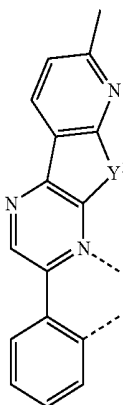


$Y_1 = O$, L₄₈₀₁
 $Y_1 = S$, L₄₈₀₂
 $Y_1 = NCH_3$, L₄₈₀₃
 $Y_1 = C(CH_3)_2$, L₄₈₀₄

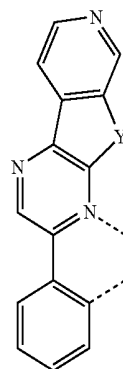


$Y_1 = O$, L₄₈₀₅
 $Y_1 = S$, L₄₈₀₆
 $Y_1 = NCH_3$, L₄₈₀₇
 $Y_1 = C(CH_3)_2$, L₄₈₀₈

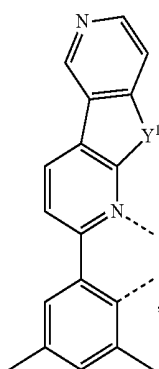
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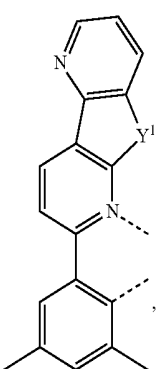
$Y_1 = O$, L₄₈₂₅
 $Y_1 = S$, L₄₈₂₆
 $Y_1 = NCH_3$, L₄₈₂₇
 $Y_1 = C(CH_3)_2$, L₄₈₂₈



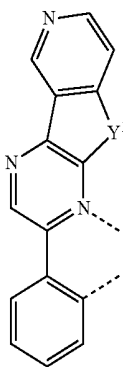
$Y_1 = O$, L₄₈₂₉
 $Y_1 = S$, L₄₈₃₀
 $Y_1 = NCH_3$, L₄₈₃₁
 $Y_1 = C(CH_3)_2$, L₄₈₃₂



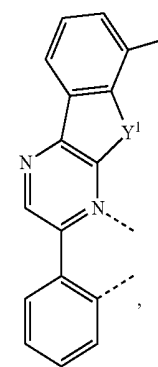
$Y_1 = O$, L₄₈₀₉
 $Y_1 = S$, L₄₈₁₀
 $Y_1 = NCH_3$, L₄₈₁₁
 $Y_1 = C(CH_3)_2$, L₄₈₁₂



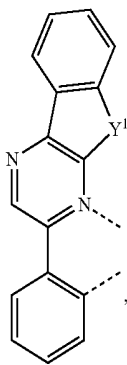
$Y_1 = O$, L₄₈₁₃
 $Y_1 = S$, L₄₈₁₄
 $Y_1 = NCH_3$, L₄₈₁₅
 $Y_1 = C(CH_3)_2$, L₄₈₁₆



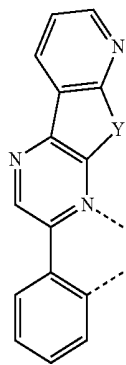
$Y_1 = O$, L₄₈₃₃
 $Y_1 = S$, L₄₈₃₄
 $Y_1 = NCH_3$, L₄₈₃₅
 $Y_1 = C(CH_3)_2$, L₄₈₃₆



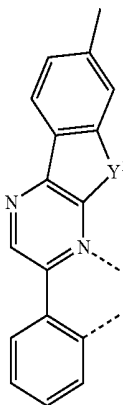
$Y_1 = O$, L₄₈₃₇
 $Y_1 = S$, L₄₈₃₈
 $Y_1 = NCH_3$, L₄₈₃₉
 $Y_1 = C(CH_3)_2$, L₄₈₄₀



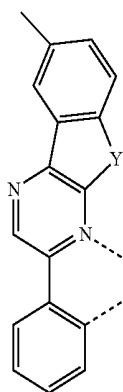
$Y_1 = O$, L₄₈₁₇
 $Y_1 = S$, L₄₈₁₈
 $Y_1 = NCH_3$, L₄₈₁₉
 $Y_1 = C(CH_3)_2$, L₄₈₂₀



$Y_1 = O$, L₄₈₂₁
 $Y_1 = S$, L₄₈₂₂
 $Y_1 = NCH_3$, L₄₈₂₃
 $Y_1 = C(CH_3)_2$, L₄₈₂₄

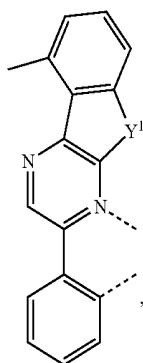


$Y_1 = O$, L₄₈₄₁
 $Y_1 = S$, L₄₈₄₂
 $Y_1 = NCH_3$, L₄₈₄₃
 $Y_1 = C(CH_3)_2$, L₄₈₄₄

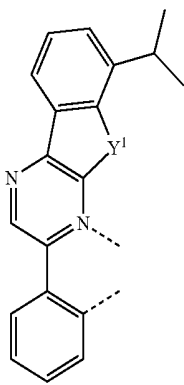


$Y_1 = O$, L₄₈₄₅
 $Y_1 = S$, L₄₈₄₆
 $Y_1 = NCH_3$, L₄₈₄₇
 $Y_1 = C(CH_3)_2$, L₄₈₄₈

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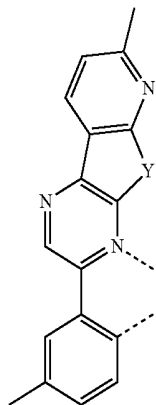


$Y_1 = O$, L₄₈₄₉
 $Y_1 = S$, L₄₈₅₀
 $Y_1 = NCH_3$, L₄₈₅₁
 $Y_1 = C(CH_3)_2$, L₄₈₅₂

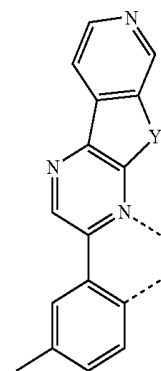


$Y_1 = O$, L₄₈₅₃
 $Y_1 = S$, L₄₈₅₄
 $Y_1 = NCH_3$, L₄₈₅₅
 $Y_1 = C(CH_3)_2$, L₄₈₅₆

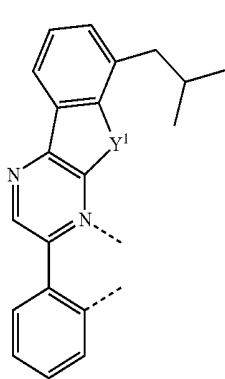
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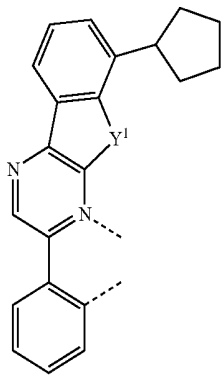
$Y_1 = O$, L₄₈₇₃
 $Y_1 = S$, L₄₈₇₄
 $Y_1 = NCH_3$, L₄₈₇₅
 $Y_1 = C(CH_3)_2$, L₄₈₇₆



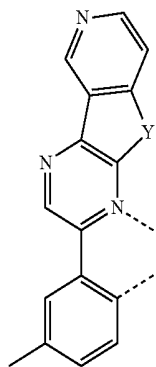
$Y_1 = O$, L₄₈₇₇
 $Y_1 = S$, L₄₈₇₈
 $Y_1 = NCH_3$, L₄₈₇₉
 $Y_1 = C(CH_3)_2$, L₄₈₈₀



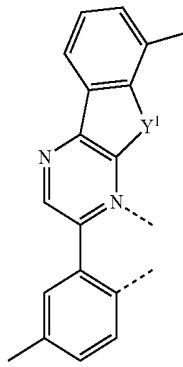
$Y_1 = O$, L₄₈₅₇
 $Y_1 = S$, L₄₈₅₈
 $Y_1 = NCH_3$, L₄₈₅₉
 $Y_1 = C(CH_3)_2$, L₄₈₆₀



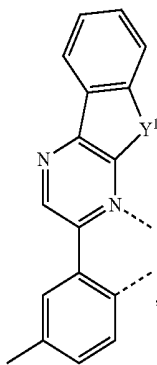
$Y_1 = O$, L₄₈₆₁
 $Y_1 = S$, L₄₈₆₂
 $Y_1 = NCH_3$, L₄₈₆₃
 $Y_1 = C(CH_3)_2$, L₄₈₆₄



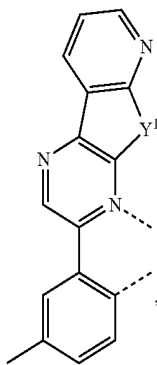
$Y_1 = O$, L₄₈₈₁
 $Y_1 = S$, L₄₈₈₂
 $Y_1 = NCH_3$, L₄₈₈₃
 $Y_1 = C(CH_3)_2$, L₄₈₈₄



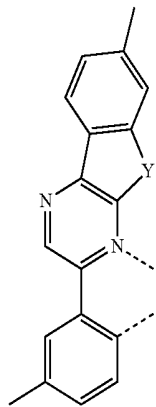
$Y_1 = O$, L₄₈₈₅
 $Y_1 = S$, L₄₈₈₆
 $Y_1 = NCH_3$, L₄₈₈₇
 $Y_1 = C(CH_3)_2$, L₄₈₈₈



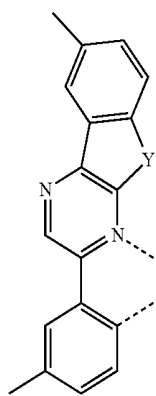
$Y_1 = O$, L₄₈₆₅
 $Y_1 = S$, L₄₈₆₆
 $Y_1 = NCH_3$, L₄₈₆₇
 $Y_1 = C(CH_3)_2$, L₄₈₆₈



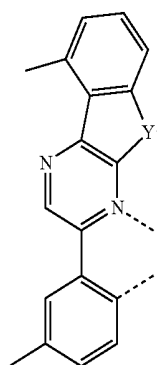
$Y_1 = O$, L₄₈₆₉
 $Y_1 = S$, L₄₈₇₀
 $Y_1 = NCH_3$, L₄₈₇₁
 $Y_1 = C(CH_3)_2$, L₄₈₇₂



$Y_1 = O$, L₄₈₈₉
 $Y_1 = S$, L₄₈₉₀
 $Y_1 = NCH_3$, L₄₈₉₁
 $Y_1 = C(CH_3)_2$, L₄₈₉₂

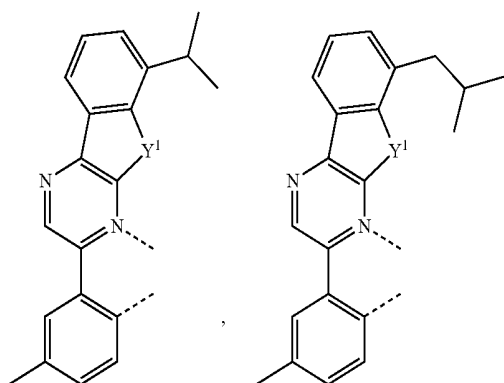


$Y_1 = O$, L₄₈₉₃
 $Y_1 = S$, L₄₈₉₄
 $Y_1 = NCH_3$, L₄₈₉₅
 $Y_1 = C(CH_3)_2$, L₄₈₉₆



$Y_1 = O$, L₄₈₉₇
 $Y_1 = S$, L₄₈₉₈
 $Y_1 = NCH_3$, L₄₈₉₉
 $Y_1 = C(CH_3)_2$, L₄₉₀₀

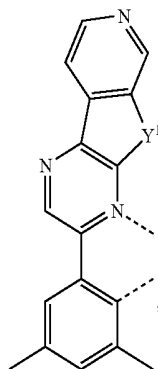
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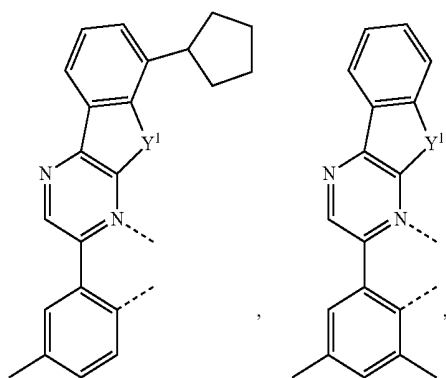
Y₁ = O, L₄₉₀₁
Y₁ = S, L₄₉₀₂
Y₁ = NCH₃, L₄₉₀₃
Y₁ = C(CH₃)₂, L₄₉₀₄

Y₁ = O, L₄₉₀₅
Y₁ = S, L₄₉₀₆
Y₁ = NCH₃, L₄₉₀₇
Y₁ = C(CH₃)₂, L₄₉₀₈

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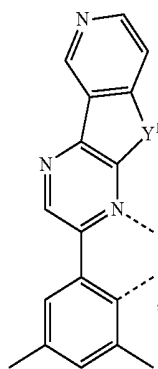


Y₁ = O, L₄₉₂₅
Y₁ = S, L₄₉₂₆
Y₁ = NCH₃, L₄₉₂₇
Y₁ = C(CH₃)₂, L₄₉₂₈

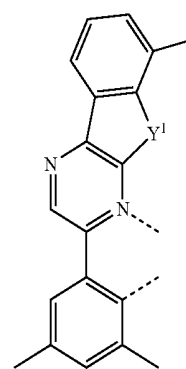


Y₁ = O, L₄₉₀₉
Y₁ = S, L₄₉₁₀
Y₁ = NCH₃, L₄₉₁₁
Y₁ = C(CH₃)₂, L₄₉₁₂

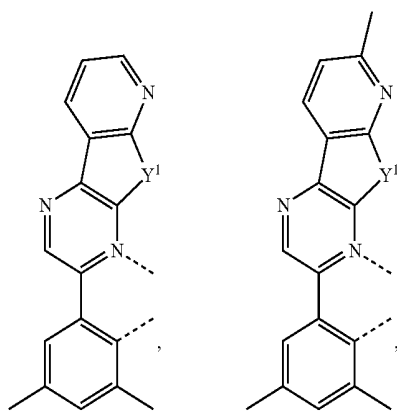
Y₁ = O, L₄₉₁₃
Y₁ = S, L₄₉₁₄
Y₁ = NCH₃, L₄₉₁₅
Y₁ = C(CH₃)₂, L₄₉₁₆



Y₁ = O, L₄₉₂₉
Y₁ = S, L₄₉₃₀
Y₁ = NCH₃, L₄₉₃₁
Y₁ = C(CH₃)₂, L₄₉₃₂

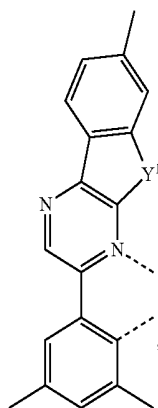


Y₁ = O, L₄₉₃₃
Y₁ = S, L₄₉₃₄
Y₁ = NCH₃, L₄₉₃₅
Y₁ = C(CH₃)₂, L₄₉₃₆

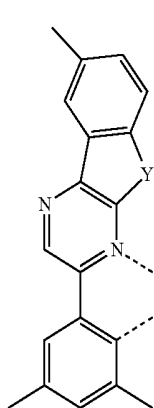


Y₁ = O, L₄₉₁₇
Y₁ = S, L₄₉₁₈
Y₁ = NCH₃, L₄₉₁₉
Y₁ = C(CH₃)₂, L₄₉₂₀

Y₁ = O, L₄₉₂₁
Y₁ = S, L₄₉₂₂
Y₁ = NCH₃, L₄₉₂₃
Y₁ = C(CH₃)₂, L₄₉₂₄

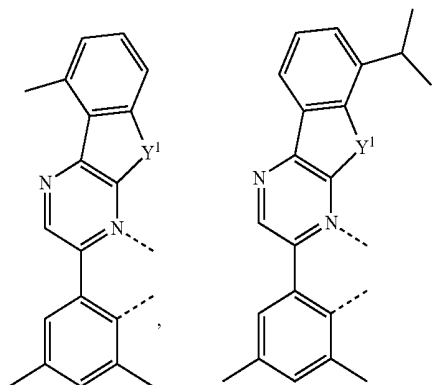


Y₁ = O, L₄₉₃₇
Y₁ = S, L₄₉₃₈
Y₁ = NCH₃, L₄₉₃₉
Y₁ = C(CH₃)₂, L₄₉₄₀



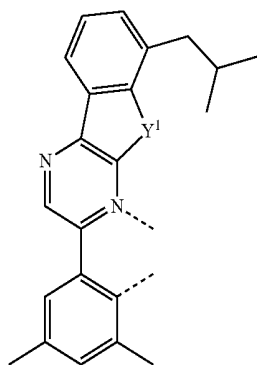
Y₁ = O, L₄₉₄₁
Y₁ = S, L₄₉₄₂
Y₁ = NCH₃, L₄₉₄₃
Y₁ = C(CH₃)₂, L₄₉₄₄

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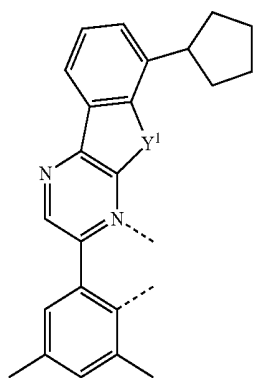


Y₁ = O, L₄₉₄₅
 Y₁ = S, L₄₉₄₆
 Y₁ = NCH₃, L₄₉₄₇
 Y₁ = C(CH₃)₂, L₄₉₄₈

Y₁ = O, L₄₉₄₉
 Y₁ = S, L₄₉₅₀
 Y₁ = NCH₃, L₄₉₅₁
 Y₁ = C(CH₃)₂, L₄₉₅₂

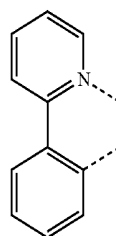
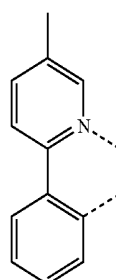
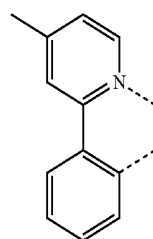
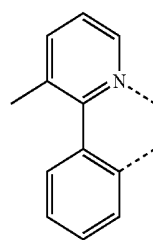
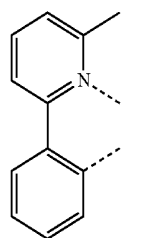
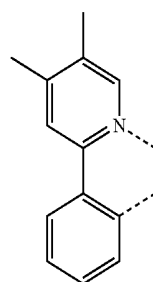


Y₁ = O, L₄₉₅₃
 Y₁ = S, L₄₉₅₄
 Y₁ = NCH₃, L₄₉₅₅
 Y₁ = C(CH₃)₂, L₄₉₅₆

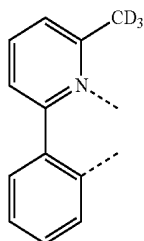
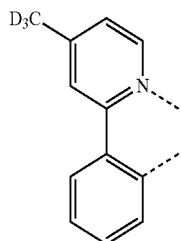
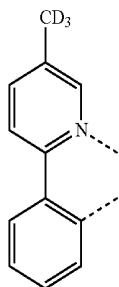
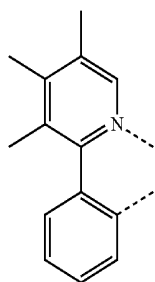
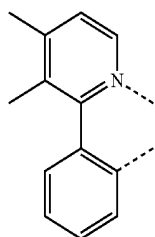
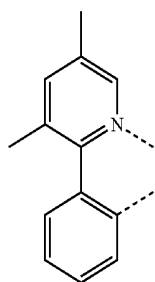


Y₁ = O, L₄₉₅₇
 Y₁ = S, L₄₉₅₈
 Y₁ = NCH₃, L₄₉₅₉
 Y₁ = C(CH₃)₂, L₄₉₆₀

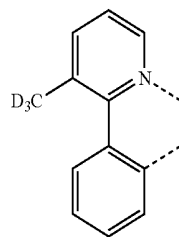
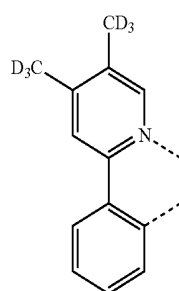
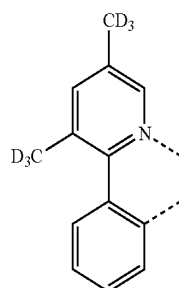
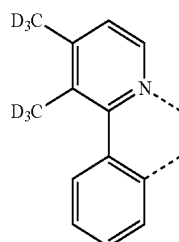
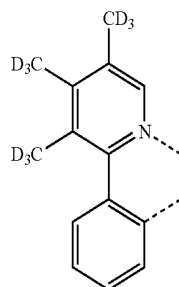
[0135] In some embodiments, L_B is selected from the group consisting of:

L_{B1}L_{B2}L_{B3}L_{B4}L_{B5}L_{B6}

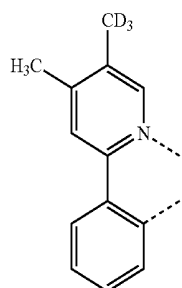
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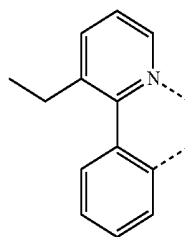
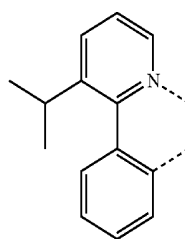
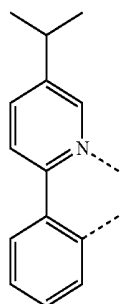
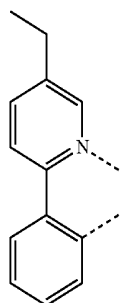
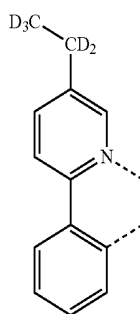
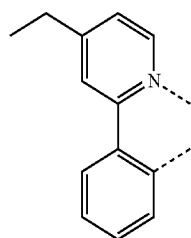
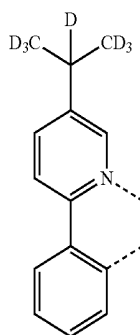
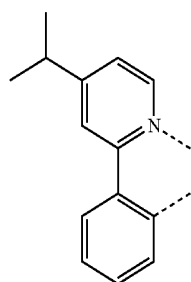
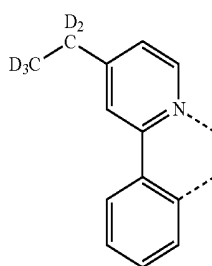
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 L_{B7}  L_{B13} L_{B8}  L_{B14} L_{B9} L_{B10}  L_{B15} L_{B11}  L_{B16} L_{B12}  L_{B17}

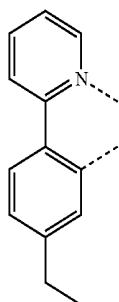
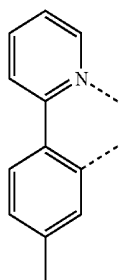
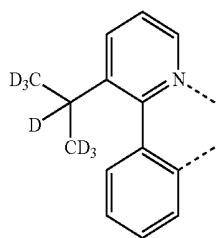
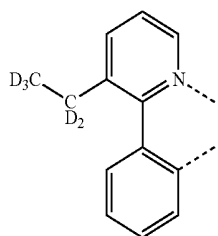
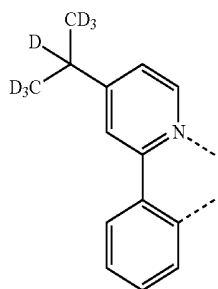
-continued

 L_{B18}

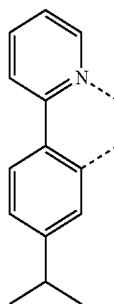
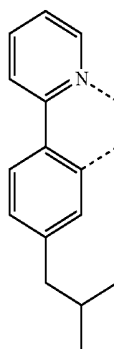
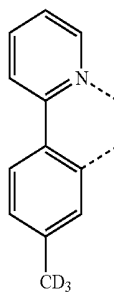
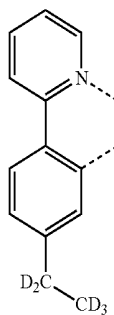
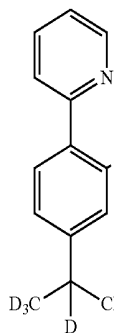
-continued

 L_{B23} L_{B19}  L_{B24}  L_{B20}  L_{B25}  L_{B21}  L_{B26}  L_{B22}  L_{B27}

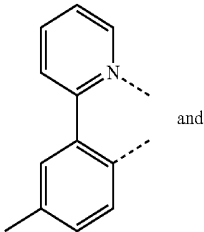
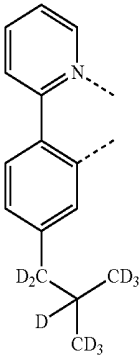
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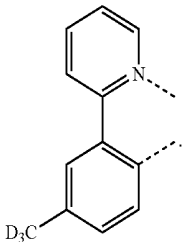
-continued

 L_{B28}  L_{B34} L_{B30}  L_{B35} L_{B31}  L_{B36} L_{B32}  L_{B37} L_{B33}  L_{B38}

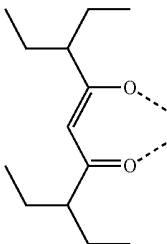
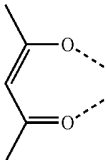
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and

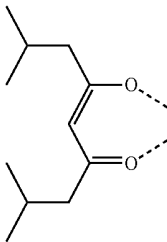


[0136] In some embodiments, L_B is selected from the group consisting of:



-continued

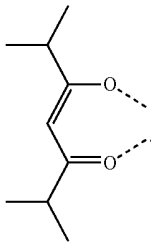
L_{B39}



L_{B44}

L_{B45}

L_{B40}



[0137] In some embodiments, the compound has formula IV:



[0138] and is selected from the group consisting of compound 1 to compound 960 listed in TABLE 1.

TABLE 1

L_{B41}

Compound Number	L_A
1	L_{A1}
2	L_{A2}
3	L_{A3}
4	L_{A4}
5	L_{A5}
6	L_{A6}
7	L_{A7}
8	L_{A8}
9	L_{A9}
10	L_{A10}
11	L_{A11}
12	L_{A12}
13	L_{A13}
14	L_{A14}
15	L_{A15}
16	L_{A16}
17	L_{A17}
18	L_{A18}
19	L_{A19}
20	L_{A20}
21	L_{A21}
22	L_{A22}
23	L_{A23}
24	L_{A24}
25	L_{A25}
26	L_{A26}
27	L_{A27}
28	L_{A28}
29	L_{A29}
30	L_{A30}
31	L_{A31}
32	L_{A32}
33	L_{A33}
34	L_{A34}
35	L_{A35}
36	L_{A36}
37	L_{A37}
38	L_{A38}

L_{B42}

L_{B43}

TABLE 1-continued

Compound Number	L _A
39	L _{A39}
40	L _{A40}
41	L _{A41}
42	L _{A42}
43	L _{A43}
44	L _{A44}
45	L _{A45}
46	L _{A46}
47	L _{A47}
48	L _{A48}
49	L _{A49}
50	L _{A50}
51	L _{A51}
52	L _{A52}
53	L _{A53}
54	L _{A54}
55	L _{A55}
56	L _{A56}
57	L _{A57}
58	L _{A58}
59	L _{A59}
60	L _{A60}
61	L _{A61}
62	L _{A62}
63	L _{A63}
64	L _{A64}
65	L _{A65}
66	L _{A66}
67	L _{A67}
68	L _{A68}
69	L _{A69}
70	L _{A70}
71	L _{A71}
72	L _{A72}
73	L _{A73}
74	L _{A74}
75	L _{A75}
76	L _{A76}
77	L _{A77}
78	L _{A78}
79	L _{A79}
80	L _{A80}
81	L _{A81}
82	L _{A82}
83	L _{A83}
84	L _{A84}
85	L _{A85}
86	L _{A86}
87	L _{A87}
88	L _{A88}
89	L _{A89}
90	L _{A90}
91	L _{A91}
92	L _{A92}
93	L _{A93}
94	L _{A94}
95	L _{A95}
96	L _{A96}
97	L _{A97}
98	L _{A98}
99	L _{A99}
100	L _{A100}
101	L _{A101}
102	L _{A102}
103	L _{A103}
104	L _{A104}
105	L _{A105}
106	L _{A106}
107	L _{A107}
108	L _{A108}
109	L _{A109}
110	L _{A110}
111	L _{A111}
112	L _{A112}

TABLE 1-continued

Compound Number	L _A
113	L _{A113}
114	L _{A114}
115	L _{A115}
116	L _{A116}
117	L _{A117}
118	L _{A118}
119	L _{A119}
120	L _{A120}
121	L _{A121}
122	L _{A122}
123	L _{A123}
124	L _{A124}
125	L _{A125}
126	L _{A126}
127	L _{A127}
128	L _{A128}
129	L _{A129}
130	L _{A130}
131	L _{A131}
132	L _{A132}
133	L _{A133}
134	L _{A134}
135	L _{A135}
136	L _{A136}
137	L _{A137}
138	L _{A138}
139	L _{A139}
140	L _{A140}
141	L _{A141}
142	L _{A142}
143	L _{A143}
144	L _{A144}
145	L _{A145}
146	L _{A146}
147	L _{A147}
148	L _{A148}
149	L _{A149}
150	L _{A150}
151	L _{A151}
152	L _{A152}
153	L _{A153}
154	L _{A154}
155	L _{A155}
156	L _{A156}
157	L _{A157}
158	L _{A158}
159	L _{A159}
160	L _{A160}
161	L _{A161}
162	L _{A162}
163	L _{A163}
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165	L _{A165}
166	L _{A166}
167	L _{A167}
168	L _{A168}
169	L _{A169}
170	L _{A170}
171	L _{A171}
172	L _{A172}
173	L _{A173}
174	L _{A174}
175	L _{A175}
176	L _{A176}
177	L _{A177}
178	L _{A178}
179	L _{A179}
180	L _{A180}
181	L _{A181}
182	L _{A182}
183	L _{A183}
184	L _{A184}
185	L _{A185}
186	L _{A186}

TABLE 1-continued

Compound Number	L_A
187	L_{A187}
188	L_{A188}
189	L_{A189}
190	L_{A190}
191	L_{A191}
192	L_{A192}
193	L_{A193}
194	L_{A194}
195	L_{A195}
196	L_{A196}
197	L_{A197}
198	L_{A198}
199	L_{A199}
200	L_{A200}
201	L_{A201}
202	L_{A202}
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205	L_{A205}
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207	L_{A207}
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210	L_{A210}
211	L_{A211}
212	L_{A212}
213	L_{A213}
214	L_{A214}
215	L_{A215}
216	L_{A216}
217	L_{A217}
218	L_{A218}
219	L_{A219}
220	L_{A220}
221	L_{A221}
222	L_{A222}
223	L_{A223}
224	L_{A224}
225	L_{A225}
226	L_{A226}
227	L_{A227}
228	L_{A228}
229	L_{A229}
230	L_{A230}
231	L_{A231}
232	L_{A232}
233	L_{A233}
234	L_{A234}
235	L_{A235}
236	L_{A236}
237	L_{A237}
238	L_{A238}
239	L_{A239}
240	L_{A240}
241	L_{A241}
242	L_{A242}
243	L_{A243}
244	L_{A244}
245	L_{A245}
246	L_{A246}
247	L_{A247}
248	L_{A248}
249	L_{A249}
250	L_{A250}
251	L_{A251}
252	L_{A252}
253	L_{A253}
254	L_{A254}
255	L_{A255}
256	L_{A256}
257	L_{A257}
258	L_{A258}
259	L_{A259}
260	L_{A260}

TABLE 1-continued

Compound Number	L_A
261	L_{A261}
262	L_{A262}
263	L_{A263}
264	L_{A264}
265	L_{A265}
266	L_{A266}
267	L_{A267}
268	L_{A268}
269	L_{A269}
270	L_{A270}
271	L_{A271}
272	L_{A272}
273	L_{A273}
274	L_{A274}
275	L_{A275}
276	L_{A276}
277	L_{A277}
278	L_{A278}
279	L_{A279}
280	L_{A280}
281	L_{A281}
282	L_{A282}
283	L_{A283}
284	L_{A284}
285	L_{A285}
286	L_{A286}
287	L_{A287}
288	L_{A288}
289	L_{A289}
290	L_{A290}
291	L_{A291}
292	L_{A292}
293	L_{A293}
294	L_{A294}
295	L_{A295}
296	L_{A296}
297	L_{A297}
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322	L_{A322}
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324	L_{A324}
325	L_{A325}
326	L_{A326}
327	L_{A327}
328	L_{A328}
329	L_{A329}
330	L_{A330}
331	L_{A331}
332	L_{A332}
333	L_{A333}
334	L_{A334}

TABLE 1-continued

Compound Number	L _A
335	L _{A335}
336	L _{A336}
337	L _{A337}
338	L _{A338}
339	L _{A339}
340	L _{A340}
341	L _{A341}
342	L _{A342}
343	L _{A343}
344	L _{A344}
345	L _{A345}
346	L _{A346}
347	L _{A347}
348	L _{A348}
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350	L _{A350}
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353	L _{A353}
354	L _{A354}
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357	L _{A357}
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364	L _{A364}
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367	L _{A367}
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373	L _{A373}
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377	L _{A377}
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394	L _{A394}
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396	L _{A396}
397	L _{A397}
398	L _{A398}
399	L _{A399}
400	L _{A400}
401	L _{A401}
402	L _{A402}
403	L _{A403}
404	L _{A404}
405	L _{A405}
406	L _{A406}
407	L _{A407}
408	L _{A408}

TABLE 1-continued

Compound Number	L _A
409	L _{A409}
410	L _{A410}
411	L _{A411}
412	L _{A412}
413	L _{A413}
414	L _{A414}
415	L _{A415}
416	L _{A416}
417	L _{A417}
418	L _{A418}
419	L _{A419}
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453	L _{A453}
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472	L _{A472}
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475	L _{A475}
476	L _{A476}
477	L _{A477}
478	L _{A478}
479	L _{A479}
480	L _{A480}
481	L _{A481}
482	L _{A482}

TABLE 1-continued

Compound Number	L _A
483	L _{A483}
484	L _{A484}
485	L _{A485}
486	L _{A486}
487	L _{A487}
488	L _{A488}
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494	L _{A494}
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550	L _{A550}
551	L _{A551}
552	L _{A552}
553	L _{A553}
554	L _{A554}
555	L _{A555}
556	L _{A556}

TABLE 1-continued

Compound Number	L _A
557	L _{A557}
558	L _{A558}
559	L _{A559}
560	L _{A560}
561	L _{A561}
562	L _{A562}
563	L _{A563}
564	L _{A564}
565	L _{A565}
566	L _{A566}
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568	L _{A568}
569	L _{A569}
570	L _{A570}
571	L _{A571}
572	L _{A572}
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576	L _{A576}
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579	L _{A579}
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621	L _{A621}
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623	L _{A623}
624	L _{A624}
625	L _{A625}
626	L _{A626}
627	L _{A627}
628	L _{A628}
629	L _{A629}
630	L _{A630}

TABLE 1-continued

Compound Number	L _A
631	L _{A631}
632	L _{A632}
633	L _{A633}
634	L _{A634}
635	L _{A635}
636	L _{A636}
637	L _{A637}
638	L _{A638}
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663	L _{A663}
664	L _{A664}
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666	L _{A666}
667	L _{A667}
668	L _{A668}
669	L _{A669}
670	L _{A670}
671	L _{A671}
672	L _{A672}
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699	L _{A699}
700	L _{A700}
701	L _{A701}
702	L _{A702}
703	L _{A703}
704	L _{A704}

TABLE 1-continued

Compound Number	L _A
705	L _{A705}
706	L _{A706}
707	L _{A707}
708	L _{A708}
709	L _{A709}
710	L _{A710}
711	L _{A711}
712	L _{A712}
713	L _{A713}
714	L _{A714}
715	L _{A715}
716	L _{A716}
717	L _{A717}
718	L _{A718}
719	L _{A719}
720	L _{A720}
721	L _{A721}
722	L _{A722}
723	L _{A723}
724	L _{A724}
725	L _{A725}
726	L _{A726}
727	L _{A727}
728	L _{A728}
729	L _{A729}
730	L _{A730}
731	L _{A731}
732	L _{A732}
733	L _{A733}
734	L _{A734}
735	L _{A735}
736	L _{A736}
737	L _{A737}
738	L _{A738}
739	L _{A739}
740	L _{A740}
741	L _{A741}
742	L _{A742}
743	L _{A743}
744	L _{A744}
745	L _{A745}
746	L _{A746}
747	L _{A747}
748	L _{A748}
749	L _{A749}
750	L _{A750}
751	L _{A751}
752	L _{A752}
753	L _{A753}
754	L _{A754}
755	L _{A755}
756	L _{A756}
757	L _{A757}
758	L _{A758}
759	L _{A759}
760	L _{A760}
761	L _{A761}
762	L _{A762}
763	L _{A763}
764	L _{A764}
765	L _{A765}
766	L _{A766}
767	L _{A767}
768	L _{A768}
769	L _{A769}
770	L _{A770}
771	L _{A771}
772	L _{A772}
773	L _{A773}
774	L _{A774}
775	L _{A775}
776	L _{A776}
777	L _{A777}
778	L _{A778}

TABLE 1-continued

Compound Number	L_A
779	L_{A779}
780	L_{A780}
781	L_{A781}
782	L_{A782}
783	L_{A783}
784	L_{A784}
785	L_{A785}
786	L_{A786}
787	L_{A787}
788	L_{A788}
789	L_{A789}
790	L_{A790}
791	L_{A791}
792	L_{A792}
793	L_{A793}
794	L_{A794}
795	L_{A795}
796	L_{A796}
797	L_{A797}
798	L_{A798}
799	L_{A799}
800	L_{A800}
801	L_{A801}
802	L_{A802}
803	L_{A803}
804	L_{A804}
805	L_{A805}
806	L_{A806}
807	L_{A807}
808	L_{A808}
809	L_{A809}
810	L_{A810}
811	L_{A811}
812	L_{A812}
813	L_{A813}
814	L_{A814}
815	L_{A815}
816	L_{A816}
817	L_{A817}
818	L_{A818}
819	L_{A819}
820	L_{A820}
821	L_{A821}
822	L_{A822}
823	L_{A823}
824	L_{A824}
825	L_{A825}
826	L_{A826}
827	L_{A827}
828	L_{A828}
829	L_{A829}
830	L_{A830}
831	L_{A831}
832	L_{A832}
833	L_{A833}
834	L_{A834}
835	L_{A835}
836	L_{A836}
837	L_{A837}
838	L_{A838}
839	L_{A839}
840	L_{A840}
841	L_{A841}
842	L_{A842}
843	L_{A843}
844	L_{A844}
845	L_{A845}
846	L_{A846}
847	L_{A847}
848	L_{A848}
849	L_{A849}
850	L_{A850}
851	L_{A851}
852	L_{A852}

TABLE 1-continued

Compound Number	L_A
853	L_{A853}
854	L_{A854}
855	L_{A855}
856	L_{A856}
857	L_{A857}
858	L_{A858}
859	L_{A859}
860	L_{A860}
861	L_{A861}
862	L_{A862}
863	L_{A863}
864	L_{A864}
865	L_{A865}
866	L_{A866}
867	L_{A867}
868	L_{A868}
869	L_{A869}
870	L_{A870}
871	L_{A871}
872	L_{A872}
873	L_{A873}
874	L_{A874}
875	L_{A875}
876	L_{A876}
877	L_{A877}
878	L_{A878}
879	L_{A879}
880	L_{A880}
881	L_{A881}
882	L_{A882}
883	L_{A883}
884	L_{A884}
885	L_{A885}
886	L_{A886}
887	L_{A887}
888	L_{A888}
889	L_{A889}
890	L_{A890}
891	L_{A891}
892	L_{A892}
893	L_{A893}
894	L_{A894}
895	L_{A895}
896	L_{A896}
897	L_{A897}
898	L_{A898}
899	L_{A899}
900	L_{A900}
901	L_{A901}
902	L_{A902}
903	L_{A903}
904	L_{A904}
905	L_{A905}
906	L_{A906}
907	L_{A907}
908	L_{A908}
909	L_{A909}
910	L_{A910}
911	L_{A911}
912	L_{A912}
913	L_{A913}
914	L_{A914}
915	L_{A915}
916	L_{A916}
917	L_{A917}
918	L_{A918}
919	L_{A919}
920	L_{A920}
921	L_{A921}
922	L_{A922}
923	L_{A923}
924	L_{A924}
925	L_{A925}
926	L_{A926}

TABLE 1-continued

Compound Number	L _A
927	L ₄₉₂₇
928	L ₄₉₂₈
929	L ₄₉₂₉
930	L ₄₉₃₀
931	L ₄₉₃₁
932	L ₄₉₃₂
933	L ₄₉₃₃
934	L ₄₉₃₄
935	L ₄₉₃₅
936	L ₄₉₃₆
937	L ₄₉₃₇
938	L ₄₉₃₈
939	L ₄₉₃₉
940	L ₄₉₄₀
941	L ₄₉₄₁
942	L ₄₉₄₂
943	L ₄₉₄₃
944	L ₄₉₄₄
945	L ₄₉₄₅
946	L ₄₉₄₆
947	L ₄₉₄₇
948	L ₄₉₄₈
949	L ₄₉₄₉
950	L ₄₉₅₀
951	L ₄₉₅₁
952	L ₄₉₅₂
953	L ₄₉₅₃
954	L ₄₉₅₄
955	L ₄₉₅₅
956	L ₄₉₅₆
957	L ₄₉₅₇
958	L ₄₉₅₈
959	L ₄₉₅₉
960	L ₄₉₆₀

[0139] In some embodiments, the compound has formula V:



[0140] and is selected from the group consisting of compound 961 to compound 5760 listed in TABLE 2.

TABLE 2

Compound Number	L _A	L _B
961	L ₄₁	L _{B1}
962	L ₄₂	L _{B1}
963	L ₄₃	L _{B1}
964	L ₄₄	L _{B1}
965	L ₄₅	L _{B1}
966	L ₄₆	L _{B1}
967	L ₄₇	L _{B1}
968	L ₄₈	L _{B1}
969	L ₄₉	L _{B1}
970	L ₄₁₀	L _{B1}
971	L ₄₁₁	L _{B1}
972	L ₄₁₂	L _{B1}
973	L ₄₁₃	L _{B1}
974	L ₄₁₄	L _{B1}
975	L ₄₁₅	L _{B1}
976	L ₄₁₆	L _{B1}
977	L ₄₁₇	L _{B1}
978	L ₄₁₈	L _{B1}
979	L ₄₁₉	L _{B1}
980	L ₄₂₀	L _{B1}
981	L ₄₂₁	L _{B1}
982	L ₄₂₂	L _{B1}
983	L ₄₂₃	L _{B1}
984	L ₄₂₄	L _{B1}

TABLE 2-continued

Compound Number	L _A	L _B
985	L ₄₂₅	L _{B1}
986	L ₄₂₆	L _{B1}
987	L ₄₂₇	L _{B1}
988	L ₄₂₈	L _{B1}
989	L ₄₂₉	L _{B1}
990	L ₄₃₀	L _{B1}
991	L ₄₃₁	L _{B1}
992	L ₄₃₂	L _{B1}
993	L ₄₃₃	L _{B1}
994	L ₄₃₄	L _{B1}
995	L ₄₃₅	L _{B1}
996	L ₄₃₆	L _{B1}
997	L ₄₃₇	L _{B1}
998	L ₄₃₈	L _{B1}
999	L ₄₃₉	L _{B1}
1000	L ₄₄₀	L _{B1}
1001	L ₄₄₁	L _{B1}
1002	L ₄₄₂	L _{B1}
1003	L ₄₄₃	L _{B1}
1004	L ₄₄₄	L _{B1}
1005	L ₄₄₅	L _{B1}
1006	L ₄₄₆	L _{B1}
1007	L ₄₄₇	L _{B1}
1008	L ₄₄₈	L _{B1}
1009	L ₄₄₉	L _{B1}
1010	L ₄₅₀	L _{B1}
1011	L ₄₅₁	L _{B1}
1012	L ₄₅₂	L _{B1}
1013	L ₄₅₃	L _{B1}
1014	L ₄₅₄	L _{B1}
1015	L ₄₅₅	L _{B1}
1016	L ₄₅₆	L _{B1}
1017	L ₄₅₇	L _{B1}
1018	L ₄₅₈	L _{B1}
1019	L ₄₅₉	L _{B1}
1020	L ₄₆₀	L _{B1}
1021	L ₄₆₁	L _{B1}
1022	L ₄₆₂	L _{B1}
1023	L ₄₆₃	L _{B1}
1024	L ₄₆₄	L _{B1}
1025	L ₄₆₅	L _{B1}
1026	L ₄₆₆	L _{B1}
1027	L ₄₆₇	L _{B1}
1028	L ₄₆₈	L _{B1}
1029	L ₄₆₉	L _{B1}
1030	L ₄₇₀	L _{B1}
1031	L ₄₇₁	L _{B1}
1032	L ₄₇₂	L _{B1}
1033	L ₄₇₃	L _{B1}
1034	L ₄₇₄	L _{B1}
1035	L ₄₇₅	L _{B1}
1036	L ₄₇₆	L _{B1}
1037	L ₄₇₇	L _{B1}
1038	L ₄₇₈	L _{B1}
1039	L ₄₇₉	L _{B1}
1040	L ₄₈₀	L _{B1}
1041	L ₄₈₁	L _{B1}
1042	L ₄₈₂	L _{B1}
1043	L ₄₈₃	L _{B1}
1044	L ₄₈₄	L _{B1}
1045	L ₄₈₅	L _{B1}
1046	L ₄₈₆	L _{B1}
1047	L ₄₈₇	L _{B1}
1048	L ₄₈₈	L _{B1}
1049	L ₄₈₉	L _{B1}
1050	L ₄₉₀	L _{B1}
1051	L ₄₉₁	L _{B1}
1052	L ₄₉₂	L _{B1}
1053	L ₄₉₃	L _{B1}
1054	L ₄₉₄	L _{B1}
1055	L ₄₉₅	L _{B1}
1056	L ₄₉₆	L _{B1}
1057	L ₄₉₇	L _{B1}
1058	L ₄₉₈	L _{B1}

TABLE 2-continued

Compound Number	L _A	L _B
1059	L _{A99}	L _{B1}
1060	L _{A100}	L _{B1}
1061	L _{A101}	L _{B1}
1062	L _{A102}	L _{B1}
1063	L _{A103}	L _{B1}
1064	L _{A104}	L _{B1}
1065	L _{A105}	L _{B1}
1066	L _{A106}	L _{B1}
1067	L _{A107}	L _{B1}
1068	L _{A108}	L _{B1}
1069	L _{A109}	L _{B1}
1070	L _{A110}	L _{B1}
1071	L _{A111}	L _{B1}
1072	L _{A112}	L _{B1}
1073	L _{A113}	L _{B1}
1074	L _{A114}	L _{B1}
1075	L _{A115}	L _{B1}
1076	L _{A116}	L _{B1}
1077	L _{A117}	L _{B1}
1078	L _{A118}	L _{B1}
1079	L _{A119}	L _{B1}
1080	L _{A120}	L _{B1}
1081	L _{A121}	L _{B1}
1082	L _{A122}	L _{B1}
1083	L _{A123}	L _{B1}
1084	L _{A124}	L _{B1}
1085	L _{A125}	L _{B1}
1086	L _{A126}	L _{B1}
1087	L _{A127}	L _{B1}
1088	L _{A128}	L _{B1}
1089	L _{A129}	L _{B1}
1090	L _{A130}	L _{B1}
1091	L _{A131}	L _{B1}
1092	L _{A132}	L _{B1}
1093	L _{A133}	L _{B1}
1094	L _{A134}	L _{B1}
1095	L _{A135}	L _{B1}
1096	L _{A136}	L _{B1}
1097	L _{A137}	L _{B1}
1098	L _{A138}	L _{B1}
1099	L _{A139}	L _{B1}
1100	L _{A140}	L _{B1}
1101	L _{A141}	L _{B1}
1102	L _{A142}	L _{B1}
1103	L _{A143}	L _{B1}
1104	L _{A144}	L _{B1}
1105	L _{A145}	L _{B1}
1106	L _{A146}	L _{B1}
1107	L _{A147}	L _{B1}
1108	L _{A148}	L _{B1}
1109	L _{A149}	L _{B1}
1110	L _{A150}	L _{B1}
1111	L _{A151}	L _{B1}
1112	L _{A152}	L _{B1}
1113	L _{A153}	L _{B1}
1114	L _{A154}	L _{B1}
1115	L _{A155}	L _{B1}
1116	L _{A156}	L _{B1}
1117	L _{A157}	L _{B1}
1118	L _{A158}	L _{B1}
1119	L _{A159}	L _{B1}
1120	L _{A160}	L _{B1}
1121	L _{A161}	L _{B1}
1122	L _{A162}	L _{B1}
1123	L _{A163}	L _{B1}
1124	L _{A164}	L _{B1}
1125	L _{A165}	L _{B1}
1126	L _{A166}	L _{B1}
1127	L _{A167}	L _{B1}
1128	L _{A168}	L _{B1}
1129	L _{A169}	L _{B1}
1130	L _{A170}	L _{B1}
1131	L _{A171}	L _{B1}
1132	L _{A172}	L _{B1}

TABLE 2-continued

Compound Number	L _A	L _B
1133	L _{A173}	L _{B1}
1134	L _{A174}	L _{B1}
1135	L _{A175}	L _{B1}
1136	L _{A176}	L _{B1}
1137	L _{A177}	L _{B1}
1138	L _{A178}	L _{B1}
1139	L _{A179}	L _{B1}
1140	L _{A180}	L _{B1}
1141	L _{A181}	L _{B1}
1142	L _{A182}	L _{B1}
1143	L _{A183}	L _{B1}
1144	L _{A184}	L _{B1}
1145	L _{A185}	L _{B1}
1146	L _{A186}	L _{B1}
1147	L _{A187}	L _{B1}
1148	L _{A188}	L _{B1}
1149	L _{A189}	L _{B1}
1150	L _{A190}	L _{B1}
1151	L _{A191}	L _{B1}
1152	L _{A192}	L _{B1}
1153	L _{A193}	L _{B1}
1154	L _{A194}	L _{B1}
1155	L _{A195}	L _{B1}
1156	L _{A196}	L _{B1}
1157	L _{A197}	L _{B1}
1158	L _{A198}	L _{B1}
1159	L _{A199}	L _{B1}
1160	L _{A200}	L _{B1}
1161	L _{A201}	L _{B1}
1162	L _{A202}	L _{B1}
1163	L _{A203}	L _{B1}
1164	L _{A204}	L _{B1}
1165	L _{A205}	L _{B1}
1166	L _{A206}	L _{B1}
1167	L _{A207}	L _{B1}
1168	L _{A208}	L _{B1}
1169	L _{A209}	L _{B1}
1170	L _{A210}	L _{B1}
1171	L _{A211}	L _{B1}
1172	L _{A212}	L _{B1}
1173	L _{A213}	L _{B1}
1174	L _{A214}	L _{B1}
1175	L _{A215}	L _{B1}
1176	L _{A216}	L _{B1}
1177	L _{A217}	L _{B1}
1178	L _{A218}	L _{B1}
1179	L _{A219}	L _{B1}
1180	L _{A220}	L _{B1}
1181	L _{A221}	L _{B1}
1182	L _{A222}	L _{B1}
1183	L _{A223}	L _{B1}
1184	L _{A224}	L _{B1}
1185	L _{A225}	L _{B1}
1186	L _{A226}	L _{B1}
1187	L _{A227}	L _{B1}
1188	L _{A228}	L _{B1}
1189	L _{A229}	L _{B1}
1190	L _{A230}	L _{B1}
1191	L _{A231}	L _{B1}
1192	L _{A232}	L _{B1}
1193	L _{A233}	L _{B1}
1194	L _{A234}	L _{B1}
1195	L _{A235}	L _{B1}
1196	L _{A236}	L _{B1}
1197	L _{A237}	L _{B1}
1198	L _{A238}	L _{B1}
1199	L _{A239}	L _{B1}
1200	L _{A240}	L _{B1}
1201	L _{A241}	L _{B1}
1202	L _{A242}	L _{B1}
1203	L _{A243}	L _{B1}
1204	L _{A244}	L _{B1}
1205	L _{A245}	L _{B1}
1206	L _{A246}	L _{B1}

TABLE 2-continued

Compound Number	L _A	L _B
1207	L _{A247}	L _{B1}
1208	L _{A248}	L _{B1}
1209	L _{A249}	L _{B1}
1210	L _{A250}	L _{B1}
1211	L _{A251}	L _{B1}
1212	L _{A252}	L _{B1}
1213	L _{A253}	L _{B1}
1214	L _{A254}	L _{B1}
1215	L _{A255}	L _{B1}
1216	L _{A256}	L _{B1}
1217	L _{A257}	L _{B1}
1218	L _{A258}	L _{B1}
1219	L _{A259}	L _{B1}
1220	L _{A260}	L _{B1}
1221	L _{A261}	L _{B1}
1222	L _{A262}	L _{B1}
1223	L _{A263}	L _{B1}
1224	L _{A264}	L _{B1}
1225	L _{A265}	L _{B1}
1226	L _{A266}	L _{B1}
1227	L _{A267}	L _{B1}
1228	L _{A268}	L _{B1}
1229	L _{A269}	L _{B1}
1230	L _{A270}	L _{B1}
1231	L _{A271}	L _{B1}
1232	L _{A272}	L _{B1}
1233	L _{A273}	L _{B1}
1234	L _{A274}	L _{B1}
1235	L _{A275}	L _{B1}
1236	L _{A276}	L _{B1}
1237	L _{A277}	L _{B1}
1238	L _{A278}	L _{B1}
1239	L _{A279}	L _{B1}
1240	L _{A280}	L _{B1}
1241	L _{A281}	L _{B1}
1242	L _{A282}	L _{B1}
1243	L _{A283}	L _{B1}
1244	L _{A284}	L _{B1}
1245	L _{A285}	L _{B1}
1246	L _{A286}	L _{B1}
1247	L _{A287}	L _{B1}
1248	L _{A288}	L _{B1}
1249	L _{A289}	L _{B1}
1250	L _{A290}	L _{B1}
1251	L _{A291}	L _{B1}
1252	L _{A292}	L _{B1}
1253	L _{A293}	L _{B1}
1254	L _{A294}	L _{B1}
1255	L _{A295}	L _{B1}
1256	L _{A296}	L _{B1}
1257	L _{A297}	L _{B1}
1258	L _{A298}	L _{B1}
1259	L _{A299}	L _{B1}
1260	L _{A300}	L _{B1}
1261	L _{A301}	L _{B1}
1262	L _{A302}	L _{B1}
1263	L _{A303}	L _{B1}
1264	L _{A304}	L _{B1}
1265	L _{A305}	L _{B1}
1266	L _{A306}	L _{B1}
1267	L _{A307}	L _{B1}
1268	L _{A308}	L _{B1}
1269	L _{A309}	L _{B1}
1270	L _{A310}	L _{B1}
1271	L _{A311}	L _{B1}
1272	L _{A312}	L _{B1}
1273	L _{A313}	L _{B1}
1274	L _{A314}	L _{B1}
1275	L _{A315}	L _{B1}
1276	L _{A316}	L _{B1}
1277	L _{A317}	L _{B1}
1278	L _{A318}	L _{B1}
1279	L _{A319}	L _{B1}
1280	L _{A320}	L _{B1}

TABLE 2-continued

Compound Number	L _A	L _B
1281	L _{A321}	L _{B1}
1282	L _{A322}	L _{B1}
1283	L _{A323}	L _{B1}
1284	L _{A324}	L _{B1}
1285	L _{A325}	L _{B1}
1286	L _{A326}	L _{B1}
1287	L _{A327}	L _{B1}
1288	L _{A328}	L _{B1}
1289	L _{A329}	L _{B1}
1290	L _{A330}	L _{B1}
1291	L _{A331}	L _{B1}
1292	L _{A332}	L _{B1}
1293	L _{A333}	L _{B1}
1294	L _{A334}	L _{B1}
1295	L _{A335}	L _{B1}
1296	L _{A336}	L _{B1}
1297	L _{A337}	L _{B1}
1298	L _{A338}	L _{B1}
1299	L _{A339}	L _{B1}
1300	L _{A340}	L _{B1}
1301	L _{A341}	L _{B1}
1302	L _{A342}	L _{B1}
1303	L _{A343}	L _{B1}
1304	L _{A344}	L _{B1}
1305	L _{A345}	L _{B1}
1306	L _{A346}	L _{B1}
1307	L _{A347}	L _{B1}
1308	L _{A348}	L _{B1}
1309	L _{A349}	L _{B1}
1310	L _{A350}	L _{B1}
1311	L _{A351}	L _{B1}
1312	L _{A352}	L _{B1}
1313	L _{A353}	L _{B1}
1314	L _{A354}	L _{B1}
1315	L _{A355}	L _{B1}
1316	L _{A356}	L _{B1}
1317	L _{A357}	L _{B1}
1318	L _{A358}	L _{B1}
1319	L _{A359}	L _{B1}
1320	L _{A360}	L _{B1}
1321	L _{A361}	L _{B1}
1322	L _{A362}	L _{B1}
1323	L _{A363}	L _{B1}
1324	L _{A364}	L _{B1}
1325	L _{A365}	L _{B1}
1326	L _{A366}	L _{B1}
1327	L _{A367}	L _{B1}
1328	L _{A368}	L _{B1}
1329	L _{A369}	L _{B1}
1330	L _{A370}	L _{B1}
1331	L _{A371}	L _{B1}
1332	L _{A372}	L _{B1}
1333	L _{A373}	L _{B1}
1334	L _{A374}	L _{B1}
1335	L _{A375}	L _{B1}
1336	L _{A376}	L _{B1}
1337	L _{A377}	L _{B1}
1338	L _{A378}	L _{B1}
1339	L _{A379}	L _{B1}
1340	L _{A380}	L _{B1}
1341	L _{A381}	L _{B1}
1342	L _{A382}	L _{B1}
1343	L _{A383}	L _{B1}
1344	L _{A384}	L _{B1}
1345	L _{A385}	L _{B1}
1346	L _{A386}	L _{B1}
1347	L _{A387}	L _{B1}
1348	L _{A388}	L _{B1}
1349	L _{A389}	L _{B1}
1350	L _{A390}	L _{B1}
1351	L _{A391}	L _{B1}
1352	L _{A392}	L _{B1}
1353	L _{A393}	L _{B1}
1354	L _{A394}	L _{B1}

TABLE 2-continued

Compound Number	L _A	L _B
1355	L ₄₃₉₅	L _{B1}
1356	L ₄₃₉₆	L _{B1}
1357	L ₄₃₉₇	L _{B1}
1358	L ₄₃₉₈	L _{B1}
1359	L ₄₃₉₉	L _{B1}
1360	L ₄₄₀₀	L _{B1}
1361	L ₄₄₀₁	L _{B1}
1362	L ₄₄₀₂	L _{B1}
1363	L ₄₄₀₃	L _{B1}
1364	L ₄₄₀₄	L _{B1}
1365	L ₄₄₀₅	L _{B1}
1366	L ₄₄₀₆	L _{B1}
1367	L ₄₄₀₇	L _{B1}
1368	L ₄₄₀₈	L _{B1}
1369	L ₄₄₀₉	L _{B1}
1370	L ₄₄₁₀	L _{B1}
1371	L ₄₄₁₁	L _{B1}
1372	L ₄₄₁₂	L _{B1}
1373	L ₄₄₁₃	L _{B1}
1374	L ₄₄₁₄	L _{B1}
1375	L ₄₄₁₅	L _{B1}
1376	L ₄₄₁₆	L _{B1}
1377	L ₄₄₁₇	L _{B1}
1378	L ₄₄₁₈	L _{B1}
1379	L ₄₄₁₉	L _{B1}
1380	L ₄₄₂₀	L _{B1}
1381	L ₄₄₂₁	L _{B1}
1382	L ₄₄₂₂	L _{B1}
1383	L ₄₄₂₃	L _{B1}
1384	L ₄₄₂₄	L _{B1}
1385	L ₄₄₂₅	L _{B1}
1386	L ₄₄₂₆	L _{B1}
1387	L ₄₄₂₇	L _{B1}
1388	L ₄₄₂₈	L _{B1}
1389	L ₄₄₂₉	L _{B1}
1390	L ₄₄₃₀	L _{B1}
1391	L ₄₄₃₁	L _{B1}
1392	L ₄₄₃₂	L _{B1}
1393	L ₄₄₃₃	L _{B1}
1394	L ₄₄₃₄	L _{B1}
1395	L ₄₄₃₅	L _{B1}
1396	L ₄₄₃₆	L _{B1}
1397	L ₄₄₃₇	L _{B1}
1398	L ₄₄₃₈	L _{B1}
1399	L ₄₄₃₉	L _{B1}
1400	L ₄₄₄₀	L _{B1}
1401	L ₄₄₄₁	L _{B1}
1402	L ₄₄₄₂	L _{B1}
1403	L ₄₄₄₃	L _{B1}
1404	L ₄₄₄₄	L _{B1}
1405	L ₄₄₄₅	L _{B1}
1406	L ₄₄₄₆	L _{B1}
1407	L ₄₄₄₇	L _{B1}
1408	L ₄₄₄₈	L _{B1}
1409	L ₄₄₄₉	L _{B1}
1410	L ₄₄₅₀	L _{B1}
1411	L ₄₄₅₁	L _{B1}
1412	L ₄₄₅₂	L _{B1}
1413	L ₄₄₅₃	L _{B1}
1414	L ₄₄₅₄	L _{B1}
1415	L ₄₄₅₅	L _{B1}
1416	L ₄₄₅₆	L _{B1}
1417	L ₄₄₅₇	L _{B1}
1418	L ₄₄₅₈	L _{B1}
1419	L ₄₄₅₉	L _{B1}
1420	L ₄₄₆₀	L _{B1}
1421	L ₄₄₆₁	L _{B1}
1422	L ₄₄₆₂	L _{B1}
1423	L ₄₄₆₃	L _{B1}
1424	L ₄₄₆₄	L _{B1}
1425	L ₄₄₆₅	L _{B1}
1426	L ₄₄₆₆	L _{B1}
1427	L ₄₄₆₇	L _{B1}
1428	L ₄₄₆₈	L _{B1}

TABLE 2-continued

Compound Number	L _A	L _B
1429	L ₄₄₆₉	L _{B1}
1430	L ₄₄₇₀	L _{B1}
1431	L ₄₄₇₁	L _{B1}
1432	L ₄₄₇₂	L _{B1}
1433	L ₄₄₇₃	L _{B1}
1434	L ₄₄₇₄	L _{B1}
1435	L ₄₄₇₅	L _{B1}
1436	L ₄₄₇₆	L _{B1}
1437	L ₄₄₇₇	L _{B1}
1438	L ₄₄₇₈	L _{B1}
1439	L ₄₄₇₉	L _{B1}
1440	L ₄₄₈₀	L _{B1}
1441	L ₄₄₈₁	L _{B1}
1442	L ₄₄₈₂	L _{B1}
1443	L ₄₄₈₃	L _{B1}
1444	L ₄₄₈₄	L _{B1}
1445	L ₄₄₈₅	L _{B1}
1446	L ₄₄₈₆	L _{B1}
1447	L ₄₄₈₇	L _{B1}
1448	L ₄₄₈₈	L _{B1}
1449	L ₄₄₈₉	L _{B1}
1450	L ₄₄₉₀	L _{B1}
1451	L ₄₄₉₁	L _{B1}
1452	L ₄₄₉₂	L _{B1}
1453	L ₄₄₉₃	L _{B1}
1454	L ₄₄₉₄	L _{B1}
1455	L ₄₄₉₅	L _{B1}
1456	L ₄₄₉₆	L _{B1}
1457	L ₄₄₉₇	L _{B1}
1458	L ₄₄₉₈	L _{B1}
1459	L ₄₄₉₉	L _{B1}
1460	L ₄₅₀₀	L _{B1}
1461	L ₄₅₀₁	L _{B1}
1462	L ₄₅₀₂	L _{B1}
1463	L ₄₅₀₃	L _{B1}
1464	L ₄₅₀₄	L _{B1}
1465	L ₄₅₀₅	L _{B1}
1466	L ₄₅₀₆	L _{B1}
1467	L ₄₅₀₇	L _{B1}
1468	L ₄₅₀₈	L _{B1}
1469	L ₄₅₀₉	L _{B1}
1470	L ₄₅₁₀	L _{B1}
1471	L ₄₅₁₁	L _{B1}
1472	L ₄₅₁₂	L _{B1}
1473	L ₄₅₁₃	L _{B1}
1474	L ₄₅₁₄	L _{B1}
1475	L ₄₅₁₅	L _{B1}
1476	L ₄₅₁₆	L _{B1}
1477	L ₄₅₁₇	L _{B1}
1478	L ₄₅₁₈	L _{B1}
1479	L ₄₅₁₉	L _{B1}
1480	L ₄₅₂₀	L _{B1}
1481	L ₄₅₂₁	L _{B1}
1482	L ₄₅₂₂	L _{B1}
1483	L ₄₅₂₃	L _{B1}
1484	L ₄₅₂₄	L _{B1}
1485	L ₄₅₂₅	L _{B1}
1486	L ₄₅₂₆	L _{B1}
1487	L ₄₅₂₇	L _{B1}
1488	L ₄₅₂₈	L _{B1}
1489	L ₄₅₂₉	L _{B1}
1490	L ₄₅₃₀	L _{B1}
1491	L ₄₅₃₁	L _{B1}
1492	L ₄₅₃₂	L _{B1}
1493	L ₄₅₃₃	L _{B1}
1494	L ₄₅₃₄	L _{B1}
1495	L ₄₅₃₅	L _{B1}
1496	L ₄₅₃₆	L _{B1}
1497	L ₄₅₃₇	L _{B1}
1498	L ₄₅₃₈	L _{B1}
1499	L ₄₅₃₉	L _{B1}
1500	L ₄₅₄₀	L _{B1}
1501	L ₄₅₄₁	L _{B1}
1502	L ₄₅₄₂	L _{B1}

TABLE 2-continued

Compound Number	L _A	L _B
1503	L ₄₅₄₃	L _{B1}
1504	L ₄₅₄₄	L _{B1}
1505	L ₄₅₄₅	L _{B1}
1506	L ₄₅₄₆	L _{B1}
1507	L ₄₅₄₇	L _{B1}
1508	L ₄₅₄₈	L _{B1}
1509	L ₄₅₄₉	L _{B1}
1510	L ₄₅₅₀	L _{B1}
1511	L ₄₅₅₁	L _{B1}
1512	L ₄₅₅₂	L _{B1}
1513	L ₄₅₅₃	L _{B1}
1514	L ₄₅₅₄	L _{B1}
1515	L ₄₅₅₅	L _{B1}
1516	L ₄₅₅₆	L _{B1}
1517	L ₄₅₅₇	L _{B1}
1518	L ₄₅₅₈	L _{B1}
1519	L ₄₅₅₉	L _{B1}
1520	L ₄₅₆₀	L _{B1}
1521	L ₄₅₆₁	L _{B1}
1522	L ₄₅₆₂	L _{B1}
1523	L ₄₅₆₃	L _{B1}
1524	L ₄₅₆₄	L _{B1}
1525	L ₄₅₆₅	L _{B1}
1526	L ₄₅₆₆	L _{B1}
1527	L ₄₅₆₇	L _{B1}
1528	L ₄₅₆₈	L _{B1}
1529	L ₄₅₆₉	L _{B1}
1530	L ₄₅₇₀	L _{B1}
1531	L ₄₅₇₁	L _{B1}
1532	L ₄₅₇₂	L _{B1}
1533	L ₄₅₇₃	L _{B1}
1534	L ₄₅₇₄	L _{B1}
1535	L ₄₅₇₅	L _{B1}
1536	L ₄₅₇₆	L _{B1}
1537	L ₄₅₇₇	L _{B1}
1538	L ₄₅₇₈	L _{B1}
1539	L ₄₅₇₉	L _{B1}
1540	L ₄₅₈₀	L _{B1}
1541	L ₄₅₈₁	L _{B1}
1542	L ₄₅₈₂	L _{B1}
1543	L ₄₅₈₃	L _{B1}
1544	L ₄₅₈₄	L _{B1}
1545	L ₄₅₈₅	L _{B1}
1546	L ₄₅₈₆	L _{B1}
1547	L ₄₅₈₇	L _{B1}
1548	L ₄₅₈₈	L _{B1}
1549	L ₄₅₈₉	L _{B1}
1550	L ₄₅₉₀	L _{B1}
1551	L ₄₅₉₁	L _{B1}
1552	L ₄₅₉₂	L _{B1}
1553	L ₄₅₉₃	L _{B1}
1554	L ₄₅₉₄	L _{B1}
1555	L ₄₅₉₅	L _{B1}
1556	L ₄₅₉₆	L _{B1}
1557	L ₄₅₉₇	L _{B1}
1558	L ₄₅₉₈	L _{B1}
1559	L ₄₅₉₉	L _{B1}
1560	L ₄₆₀₀	L _{B1}
1561	L ₄₆₀₁	L _{B1}
1562	L ₄₆₀₂	L _{B1}
1563	L ₄₆₀₃	L _{B1}
1564	L ₄₆₀₄	L _{B1}
1565	L ₄₆₀₅	L _{B1}
1566	L ₄₆₀₆	L _{B1}
1567	L ₄₆₀₇	L _{B1}
1568	L ₄₆₀₈	L _{B1}
1569	L ₄₆₀₉	L _{B1}
1570	L ₄₆₁₀	L _{B1}
1571	L ₄₆₁₁	L _{B1}
1572	L ₄₆₁₂	L _{B1}
1573	L ₄₆₁₃	L _{B1}
1574	L ₄₆₁₄	L _{B1}
1575	L ₄₆₁₅	L _{B1}
1576	L ₄₆₁₆	L _{B1}

TABLE 2-continued

Compound Number	L _A	L _B
1577	L ₄₆₁₇	L _{B1}
1578	L ₄₆₁₈	L _{B1}
1579	L ₄₆₁₉	L _{B1}
1580	L ₄₆₂₀	L _{B1}
1581	L ₄₆₂₁	L _{B1}
1582	L ₄₆₂₂	L _{B1}
1583	L ₄₆₂₃	L _{B1}
1584	L ₄₆₂₄	L _{B1}
1585	L ₄₆₂₅	L _{B1}
1586	L ₄₆₂₆	L _{B1}
1587	L ₄₆₂₇	L _{B1}
1588	L ₄₆₂₈	L _{B1}
1589	L ₄₆₂₉	L _{B1}
1590	L ₄₆₃₀	L _{B1}
1591	L ₄₆₃₁	L _{B1}
1592	L ₄₆₃₂	L _{B1}
1593	L ₄₆₃₃	L _{B1}
1594	L ₄₆₃₄	L _{B1}
1595	L ₄₆₃₅	L _{B1}
1596	L ₄₆₃₆	L _{B1}
1597	L ₄₆₃₇	L _{B1}
1598	L ₄₆₃₈	L _{B1}
1599	L ₄₆₃₉	L _{B1}
1600	L ₄₆₄₀	L _{B1}
1601	L ₄₆₄₁	L _{B1}
1602	L ₄₆₄₂	L _{B1}
1603	L ₄₆₄₃	L _{B1}
1604	L ₄₆₄₄	L _{B1}
1605	L ₄₆₄₅	L _{B1}
1606	L ₄₆₄₆	L _{B1}
1607	L ₄₆₄₇	L _{B1}
1608	L ₄₆₄₈	L _{B1}
1609	L ₄₆₄₉	L _{B1}
1610	L ₄₆₅₀	L _{B1}
1611	L ₄₆₅₁	L _{B1}
1612	L ₄₆₅₂	L _{B1}
1613	L ₄₆₅₃	L _{B1}
1614	L ₄₆₅₄	L _{B1}
1615	L ₄₆₅₅	L _{B1}
1616	L ₄₆₅₆	L _{B1}
1617	L ₄₆₅₇	L _{B1}
1618	L ₄₆₅₈	L _{B1}
1619	L ₄₆₅₉	L _{B1}
1620	L ₄₆₆₀	L _{B1}
1621	L ₄₆₆₁	L _{B1}
1622	L ₄₆₆₂	L _{B1}
1623	L ₄₆₆₃	L _{B1}
1624	L ₄₆₆₄	L _{B1}
1625	L ₄₆₆₅	L _{B1}
1626	L ₄₆₆₆	L _{B1}
1627	L ₄₆₆₇	L _{B1}
1628	L ₄₆₆₈	L _{B1}
1629	L ₄₆₆₉	L _{B1}
1630	L ₄₆₇₀	L _{B1}
1631	L ₄₆₇₁	L _{B1}
1632	L ₄₆₇₂	L _{B1}
1633	L ₄₆₇₃	L _{B1}
1634	L ₄₆₇₄	L _{B1}
1635	L ₄₆₇₅	L _{B1}
1636	L ₄₆₇₆	L _{B1}
1637	L ₄₆₇₇	L _{B1}
1638	L ₄₆₇₈	L _{B1}
1639	L ₄₆₇₉	L _{B1}
1640	L ₄₆₈₀	L _{B1}
1641	L ₄₆₈₁	L _{B1}
1642	L ₄₆₈₂	L _{B1}
1643	L ₄₆₈₃	L _{B1}
1644	L ₄₆₈₄	L _{B1}
1645	L ₄₆₈₅	L _{B1}
1646	L ₄₆₈₆	L _{B1}
1647	L ₄₆₈₇	L _{B1}
1648	L ₄₆₈₈	L _{B1}
1649	L ₄₆₈₉	L _{B1}
1650	L ₄₆₉₀	L _{B1}

TABLE 2-continued

Compound Number	L _A	L _B
1651	L _{A691}	L _{B1}
1652	L _{A692}	L _{B1}
1653	L _{A693}	L _{B1}
1654	L _{A694}	L _{B1}
1655	L _{A695}	L _{B1}
1656	L _{A696}	L _{B1}
1657	L _{A697}	L _{B1}
1658	L _{A698}	L _{B1}
1659	L _{A699}	L _{B1}
1660	L _{A700}	L _{B1}
1661	L _{A701}	L _{B1}
1662	L _{A702}	L _{B1}
1663	L _{A703}	L _{B1}
1664	L _{A704}	L _{B1}
1665	L _{A705}	L _{B1}
1666	L _{A706}	L _{B1}
1667	L _{A707}	L _{B1}
1668	L _{A708}	L _{B1}
1669	L _{A709}	L _{B1}
1670	L _{A710}	L _{B1}
1671	L _{A711}	L _{B1}
1672	L _{A712}	L _{B1}
1673	L _{A713}	L _{B1}
1674	L _{A714}	L _{B1}
1675	L _{A715}	L _{B1}
1676	L _{A716}	L _{B1}
1677	L _{A717}	L _{B1}
1678	L _{A718}	L _{B1}
1679	L _{A719}	L _{B1}
1680	L _{A720}	L _{B1}
1681	L _{A721}	L _{B1}
1682	L _{A722}	L _{B1}
1683	L _{A723}	L _{B1}
1684	L _{A724}	L _{B1}
1685	L _{A725}	L _{B1}
1686	L _{A726}	L _{B1}
1687	L _{A727}	L _{B1}
1688	L _{A728}	L _{B1}
1689	L _{A729}	L _{B1}
1690	L _{A730}	L _{B1}
1691	L _{A731}	L _{B1}
1692	L _{A732}	L _{B1}
1693	L _{A733}	L _{B1}
1694	L _{A734}	L _{B1}
1695	L _{A735}	L _{B1}
1696	L _{A736}	L _{B1}
1697	L _{A737}	L _{B1}
1698	L _{A738}	L _{B1}
1699	L _{A739}	L _{B1}
1700	L _{A740}	L _{B1}
1701	L _{A741}	L _{B1}
1702	L _{A742}	L _{B1}
1703	L _{A743}	L _{B1}
1704	L _{A744}	L _{B1}
1705	L _{A745}	L _{B1}
1706	L _{A746}	L _{B1}
1707	L _{A747}	L _{B1}
1708	L _{A748}	L _{B1}
1709	L _{A749}	L _{B1}
1710	L _{A750}	L _{B1}
1711	L _{A751}	L _{B1}
1712	L _{A752}	L _{B1}
1713	L _{A753}	L _{B1}
1714	L _{A754}	L _{B1}
1715	L _{A755}	L _{B1}
1716	L _{A756}	L _{B1}
1717	L _{A757}	L _{B1}
1718	L _{A758}	L _{B1}
1719	L _{A759}	L _{B1}
1720	L _{A760}	L _{B1}
1721	L _{A761}	L _{B1}
1722	L _{A762}	L _{B1}
1723	L _{A763}	L _{B1}
1724	L _{A764}	L _{B1}

TABLE 2-continued

Compound Number	L _A	L _B
1725	L _{A765}	L _{B1}
1726	L _{A766}	L _{B1}
1727	L _{A767}	L _{B1}
1728	L _{A768}	L _{B1}
1729	L _{A769}	L _{B1}
1730	L _{A770}	L _{B1}
1731	L _{A771}	L _{B1}
1732	L _{A772}	L _{B1}
1733	L _{A773}	L _{B1}
1734	L _{A774}	L _{B1}
1735	L _{A775}	L _{B1}
1736	L _{A776}	L _{B1}
1737	L _{A777}	L _{B1}
1738	L _{A778}	L _{B1}
1739	L _{A779}	L _{B1}
1740	L _{A780}	L _{B1}
1741	L _{A781}	L _{B1}
1742	L _{A782}	L _{B1}
1743	L _{A783}	L _{B1}
1744	L _{A784}	L _{B1}
1745	L _{A785}	L _{B1}
1746	L _{A786}	L _{B1}
1747	L _{A787}	L _{B1}
1748	L _{A788}	L _{B1}
1749	L _{A789}	L _{B1}
1750	L _{A790}	L _{B1}
1751	L _{A791}	L _{B1}
1752	L _{A792}	L _{B1}
1753	L _{A793}	L _{B1}
1754	L _{A794}	L _{B1}
1755	L _{A795}	L _{B1}
1756	L _{A796}	L _{B1}
1757	L _{A797}	L _{B1}
1758	L _{A798}	L _{B1}
1759	L _{A799}	L _{B1}
1760	L _{A800}	L _{B1}
1761	L _{A801}	L _{B1}
1762	L _{A802}	L _{B1}
1763	L _{A803}	L _{B1}
1764	L _{A804}	L _{B1}
1765	L _{A805}	L _{B1}
1766	L _{A806}	L _{B1}
1767	L _{A807}	L _{B1}
1768	L _{A808}	L _{B1}
1769	L _{A809}	L _{B1}
1770	L _{A810}	L _{B1}
1771	L _{A811}	L _{B1}
1772	L _{A812}	L _{B1}
1773	L _{A813}	L _{B1}
1774	L _{A814}	L _{B1}
1775	L _{A815}	L _{B1}
1776	L _{A816}	L _{B1}
1777	L _{A817}	L _{B1}
1778	L _{A818}	L _{B1}
1779	L _{A819}	L _{B1}
1780	L _{A820}	L _{B1}
1781	L _{A821}	L _{B1}
1782	L _{A822}	L _{B1}
1783	L _{A823}	L _{B1}
1784	L _{A824}	L _{B1}
1785	L _{A825}	L _{B1}
1786	L _{A826}	L _{B1}
1787	L _{A827}	L _{B1}
1788	L _{A828}	L _{B1}
1789	L _{A829}	L _{B1}
1790	L _{A830}	L _{B1}
1791	L _{A831}	L _{B1}
1792	L _{A832}	L _{B1}
1793	L _{A833}	L _{B1}
1794	L _{A834}	L _{B1}
1795	L _{A835}	L _{B1}
1796	L _{A836}	L _{B1}
1797	L _{A837}	L _{B1}
1798	L _{A838}	L _{B1}

TABLE 2-continued

Compound Number	L _A	L _B
1799	L _{A839}	L _{B1}
1800	L _{A840}	L _{B1}
1801	L _{A841}	L _{B1}
1802	L _{A842}	L _{B1}
1803	L _{A843}	L _{B1}
1804	L _{A844}	L _{B1}
1805	L _{A845}	L _{B1}
1806	L _{A846}	L _{B1}
1807	L _{A847}	L _{B1}
1808	L _{A848}	L _{B1}
1809	L _{A849}	L _{B1}
1810	L _{A850}	L _{B1}
1811	L _{A851}	L _{B1}
1812	L _{A852}	L _{B1}
1813	L _{A853}	L _{B1}
1814	L _{A854}	L _{B1}
1815	L _{A855}	L _{B1}
1816	L _{A856}	L _{B1}
1817	L _{A857}	L _{B1}
1818	L _{A858}	L _{B1}
1819	L _{A859}	L _{B1}
1820	L _{A860}	L _{B1}
1821	L _{A861}	L _{B1}
1822	L _{A862}	L _{B1}
1823	L _{A863}	L _{B1}
1824	L _{A864}	L _{B1}
1825	L _{A865}	L _{B1}
1826	L _{A866}	L _{B1}
1827	L _{A867}	L _{B1}
1828	L _{A868}	L _{B1}
1829	L _{A869}	L _{B1}
1830	L _{A870}	L _{B1}
1831	L _{A871}	L _{B1}
1832	L _{A872}	L _{B1}
1833	L _{A873}	L _{B1}
1834	L _{A874}	L _{B1}
1835	L _{A875}	L _{B1}
1836	L _{A876}	L _{B1}
1837	L _{A877}	L _{B1}
1838	L _{A878}	L _{B1}
1839	L _{A879}	L _{B1}
1840	L _{A880}	L _{B1}
1841	L _{A881}	L _{B1}
1842	L _{A882}	L _{B1}
1843	L _{A883}	L _{B1}
1844	L _{A884}	L _{B1}
1845	L _{A885}	L _{B1}
1846	L _{A886}	L _{B1}
1847	L _{A887}	L _{B1}
1848	L _{A888}	L _{B1}
1849	L _{A889}	L _{B1}
1850	L _{A890}	L _{B1}
1851	L _{A891}	L _{B1}
1852	L _{A892}	L _{B1}
1853	L _{A893}	L _{B1}
1854	L _{A894}	L _{B1}
1855	L _{A895}	L _{B1}
1856	L _{A896}	L _{B1}
1857	L _{A897}	L _{B1}
1858	L _{A898}	L _{B1}
1859	L _{A899}	L _{B1}
1860	L _{A900}	L _{B1}
1861	L _{A901}	L _{B1}
1862	L _{A902}	L _{B1}
1863	L _{A903}	L _{B1}
1864	L _{A904}	L _{B1}
1865	L _{A905}	L _{B1}
1866	L _{A906}	L _{B1}
1867	L _{A907}	L _{B1}
1868	L _{A908}	L _{B1}
1869	L _{A909}	L _{B1}
1870	L _{A910}	L _{B1}
1871	L _{A911}	L _{B1}
1872	L _{A912}	L _{B1}

TABLE 2-continued

Compound Number	L _A	L _B
1873	L _{A913}	L _{B1}
1874	L _{A914}	L _{B1}
1875	L _{A915}	L _{B1}
1876	L _{A916}	L _{B1}
1877	L _{A917}	L _{B1}
1878	L _{A918}	L _{B1}
1879	L _{A919}	L _{B1}
1880	L _{A920}	L _{B1}
1881	L _{A921}	L _{B1}
1882	L _{A922}	L _{B1}
1883	L _{A923}	L _{B1}
1884	L _{A924}	L _{B1}
1885	L _{A925}	L _{B1}
1886	L _{A926}	L _{B1}
1887	L _{A927}	L _{B1}
1888	L _{A928}	L _{B1}
1889	L _{A929}	L _{B1}
1890	L _{A930}	L _{B1}
1891	L _{A931}	L _{B1}
1892	L _{A932}	L _{B1}
1893	L _{A933}	L _{B1}
1894	L _{A934}	L _{B1}
1895	L _{A935}	L _{B1}
1896	L _{A936}	L _{B1}
1897	L _{A937}	L _{B1}
1898	L _{A938}	L _{B1}
1899	L _{A939}	L _{B1}
1900	L _{A940}	L _{B1}
1901	L _{A941}	L _{B1}
1902	L _{A942}	L _{B1}
1903	L _{A943}	L _{B1}
1904	L _{A944}	L _{B1}
1905	L _{A945}	L _{B1}
1906	L _{A946}	L _{B1}
1907	L _{A947}	L _{B1}
1908	L _{A948}	L _{B1}
1909	L _{A949}	L _{B1}
1910	L _{A950}	L _{B1}
1911	L _{A951}	L _{B1}
1912	L _{A952}	L _{B1}
1913	L _{A953}	L _{B1}
1914	L _{A954}	L _{B1}
1915	L _{A955}	L _{B1}
1916	L _{A956}	L _{B1}
1917	L _{A957}	L _{B1}
1918	L _{A958}	L _{B1}
1919	L _{A959}	L _{B1}
1920	L _{A960}	L _{B1}
1921	L _{A1}	L _{B2}
1922	L _{A2}	L _{B2}
1923	L _{A3}	L _{B2}
1924	L _{A4}	L _{B2}
1925	L _{A5}	L _{B2}
1926	L _{A6}	L _{B2}
1927	L _{A7}	L _{B2}
1928	L _{A8}	L _{B2}
1929	L _{A9}	L _{B2}
1930	L _{A10}	L _{B2}
1931	L _{A11}	L _{B2}
1932	L _{A12}	L _{B2}
1933	L _{A13}	L _{B2}
1934	L _{A14}	L _{B2}
1935	L _{A15}	L _{B2}
1936	L _{A16}	L _{B2}
1937	L _{A17}	L _{B2}
1938	L _{A18}	L _{B2}
1939	L _{A19}	L _{B2}
1940	L _{A20}	L _{B2}
1941	L _{A21}	L _{B2}
1942	L _{A22}	L _{B2}
1943	L _{A23}	L _{B2}
1944	L _{A24}	L _{B2}
1945	L _{A25}	L _{B2}
1946	L _{A26}	L _{B2}

TABLE 2-continued

Compound Number	L _A	L _B
1947	L ₄₂₇	L _{B2}
1948	L ₄₂₈	L _{B2}
1949	L ₄₂₉	L _{B2}
1950	L ₄₃₀	L _{B2}
1951	L ₄₃₁	L _{B2}
1952	L ₄₃₂	L _{B2}
1953	L ₄₃₃	L _{B2}
1954	L ₄₃₄	L _{B2}
1955	L ₄₃₅	L _{B2}
1956	L ₄₃₆	L _{B2}
1957	L ₄₃₇	L _{B2}
1958	L ₄₃₈	L _{B2}
1959	L ₄₃₉	L _{B2}
1960	L ₄₄₀	L _{B2}
1961	L ₄₄₁	L _{B2}
1962	L ₄₄₂	L _{B2}
1963	L ₄₄₃	L _{B2}
1964	L ₄₄₄	L _{B2}
1965	L ₄₄₅	L _{B2}
1966	L ₄₄₆	L _{B2}
1967	L ₄₄₇	L _{B2}
1968	L ₄₄₈	L _{B2}
1969	L ₄₄₉	L _{B2}
1970	L ₄₅₀	L _{B2}
1971	L ₄₅₁	L _{B2}
1972	L ₄₅₂	L _{B2}
1973	L ₄₅₃	L _{B2}
1974	L ₄₅₄	L _{B2}
1975	L ₄₅₅	L _{B2}
1976	L ₄₅₆	L _{B2}
1977	L ₄₅₇	L _{B2}
1978	L ₄₅₈	L _{B2}
1979	L ₄₅₉	L _{B2}
1980	L ₄₆₀	L _{B2}
1981	L ₄₆₁	L _{B2}
1982	L ₄₆₂	L _{B2}
1983	L ₄₆₃	L _{B2}
1984	L ₄₆₄	L _{B2}
1985	L ₄₆₅	L _{B2}
1986	L ₄₆₆	L _{B2}
1987	L ₄₆₇	L _{B2}
1988	L ₄₆₈	L _{B2}
1989	L ₄₆₉	L _{B2}
1990	L ₄₇₀	L _{B2}
1991	L ₄₇₁	L _{B2}
1992	L ₄₇₂	L _{B2}
1993	L ₄₇₃	L _{B2}
1994	L ₄₇₄	L _{B2}
1995	L ₄₇₅	L _{B2}
1996	L ₄₇₆	L _{B2}
1997	L ₄₇₇	L _{B2}
1998	L ₄₇₈	L _{B2}
1999	L ₄₇₉	L _{B2}
2000	L ₄₈₀	L _{B2}
2001	L ₄₈₁	L _{B2}
2002	L ₄₈₂	L _{B2}
2003	L ₄₈₃	L _{B2}
2004	L ₄₈₄	L _{B2}
2005	L ₄₈₅	L _{B2}
2006	L ₄₈₆	L _{B2}
2007	L ₄₈₇	L _{B2}
2008	L ₄₈₈	L _{B2}
2009	L ₄₈₉	L _{B2}
2010	L ₄₉₀	L _{B2}
2011	L ₄₉₁	L _{B2}
2012	L ₄₉₂	L _{B2}
2013	L ₄₉₃	L _{B2}
2014	L ₄₉₄	L _{B2}
2015	L ₄₉₅	L _{B2}
2016	L ₄₉₆	L _{B2}
2017	L ₄₉₇	L _{B2}
2018	L ₄₉₈	L _{B2}
2019	L ₄₉₉	L _{B2}
2020	L ₄₁₀₀	L _{B2}

TABLE 2-continued

Compound Number	L _A	L _B
2021	L ₄₁₀₁	L _{B2}
2022	L ₄₁₀₂	L _{B2}
2023	L ₄₁₀₃	L _{B2}
2024	L ₄₁₀₄	L _{B2}
2025	L ₄₁₀₅	L _{B2}
2026	L ₄₁₀₆	L _{B2}
2027	L ₄₁₀₇	L _{B2}
2028	L ₄₁₀₈	L _{B2}
2029	L ₄₁₀₉	L _{B2}
2030	L ₄₁₁₀	L _{B2}
2031	L ₄₁₁₁	L _{B2}
2032	L ₄₁₁₂	L _{B2}
2033	L ₄₁₁₃	L _{B2}
2034	L ₄₁₁₄	L _{B2}
2035	L ₄₁₁₅	L _{B2}
2036	L ₄₁₁₆	L _{B2}
2037	L ₄₁₁₇	L _{B2}
2038	L ₄₁₁₈	L _{B2}
2039	L ₄₁₁₉	L _{B2}
2040	L ₄₁₂₀	L _{B2}
2041	L ₄₁₂₁	L _{B2}
2042	L ₄₁₂₂	L _{B2}
2043	L ₄₁₂₃	L _{B2}
2044	L ₄₁₂₄	L _{B2}
2045	L ₄₁₂₅	L _{B2}
2046	L ₄₁₂₆	L _{B2}
2047	L ₄₁₂₇	L _{B2}
2048	L ₄₁₂₈	L _{B2}
2049	L ₄₁₂₉	L _{B2}
2050	L ₄₁₃₀	L _{B2}
2051	L ₄₁₃₁	L _{B2}
2052	L ₄₁₃₂	L _{B2}
2053	L ₄₁₃₃	L _{B2}
2054	L ₄₁₃₄	L _{B2}
2055	L ₄₁₃₅	L _{B2}
2056	L ₄₁₃₆	L _{B2}
2057	L ₄₁₃₇	L _{B2}
2058	L ₄₁₃₈	L _{B2}
2059	L ₄₁₃₉	L _{B2}
2060	L ₄₁₄₀	L _{B2}
2061	L ₄₁₄₁	L _{B2}
2062	L ₄₁₄₂	L _{B2}
2063	L ₄₁₄₃	L _{B2}
2064	L ₄₁₄₄	L _{B2}
2065	L ₄₁₄₅	L _{B2}
2066	L ₄₁₄₆	L _{B2}
2067	L ₄₁₄₇	L _{B2}
2068	L ₄₁₄₈	L _{B2}
2069	L ₄₁₄₉	L _{B2}
2070	L ₄₁₅₀	L _{B2}
2071	L ₄₁₅₁	L _{B2}
2072	L ₄₁₅₂	L _{B2}
2073	L ₄₁₅₃	L _{B2}
2074	L ₄₁₅₄	L _{B2}
2075	L ₄₁₅₅	L _{B2}
2076	L ₄₁₅₆	L _{B2}
2077	L ₄₁₅₇	L _{B2}
2078	L ₄₁₅₈	L _{B2}
2079	L ₄₁₅₉	L _{B2}
2080	L ₄₁₆₀	L _{B2}
2081	L ₄₁₆₁	L _{B2}
2082	L ₄₁₆₂	L _{B2}
2083	L ₄₁₆₃	L _{B2}
2084	L ₄₁₆₄	L _{B2}
2085	L ₄₁₆₅	L _{B2}
2086	L ₄₁₆₆	L _{B2}
2087	L ₄₁₆₇	L _{B2}
2088	L ₄₁₆₈	L _{B2}
2089	L ₄₁₆₉	L _{B2}
2090	L ₄₁₇₀	L _{B2}
2091	L ₄₁₇₁	L _{B2}
2092	L ₄₁₇₂	L _{B2}
2093	L ₄₁₇₃	L _{B2}
2094	L ₄₁₇₄	L _{B2}

TABLE 2-continued

Compound Number	L _A	L _B
2095	L _{A175}	L _{B2}
2096	L _{A176}	L _{B2}
2097	L _{A177}	L _{B2}
2098	L _{A178}	L _{B2}
2099	L _{A179}	L _{B2}
2100	L _{A180}	L _{B2}
2101	L _{A181}	L _{B2}
2102	L _{A182}	L _{B2}
2103	L _{A183}	L _{B2}
2104	L _{A184}	L _{B2}
2105	L _{A185}	L _{B2}
2106	L _{A186}	L _{B2}
2107	L _{A187}	L _{B2}
2108	L _{A188}	L _{B2}
2109	L _{A189}	L _{B2}
2110	L _{A190}	L _{B2}
2111	L _{A191}	L _{B2}
2112	L _{A192}	L _{B2}
2113	L _{A193}	L _{B2}
2114	L _{A194}	L _{B2}
2115	L _{A195}	L _{B2}
2116	L _{A196}	L _{B2}
2117	L _{A197}	L _{B2}
2118	L _{A198}	L _{B2}
2119	L _{A199}	L _{B2}
2120	L _{A200}	L _{B2}
2121	L _{A201}	L _{B2}
2122	L _{A202}	L _{B2}
2123	L _{A203}	L _{B2}
2124	L _{A204}	L _{B2}
2125	L _{A205}	L _{B2}
2126	L _{A206}	L _{B2}
2127	L _{A207}	L _{B2}
2128	L _{A208}	L _{B2}
2129	L _{A209}	L _{B2}
2130	L _{A210}	L _{B2}
2131	L _{A211}	L _{B2}
2132	L _{A212}	L _{B2}
2133	L _{A213}	L _{B2}
2134	L _{A214}	L _{B2}
2135	L _{A215}	L _{B2}
2136	L _{A216}	L _{B2}
2137	L _{A217}	L _{B2}
2138	L _{A218}	L _{B2}
2139	L _{A219}	L _{B2}
2140	L _{A220}	L _{B2}
2141	L _{A221}	L _{B2}
2142	L _{A222}	L _{B2}
2143	L _{A223}	L _{B2}
2144	L _{A224}	L _{B2}
2145	L _{A225}	L _{B2}
2146	L _{A226}	L _{B2}
2147	L _{A227}	L _{B2}
2148	L _{A228}	L _{B2}
2149	L _{A229}	L _{B2}
2150	L _{A230}	L _{B2}
2151	L _{A231}	L _{B2}
2152	L _{A232}	L _{B2}
2153	L _{A233}	L _{B2}
2154	L _{A234}	L _{B2}
2155	L _{A235}	L _{B2}
2156	L _{A236}	L _{B2}
2157	L _{A237}	L _{B2}
2158	L _{A238}	L _{B2}
2159	L _{A239}	L _{B2}
2160	L _{A240}	L _{B2}
2161	L _{A241}	L _{B2}
2162	L _{A242}	L _{B2}
2163	L _{A243}	L _{B2}
2164	L _{A244}	L _{B2}
2165	L _{A245}	L _{B2}
2166	L _{A246}	L _{B2}
2167	L _{A247}	L _{B2}
2168	L _{A248}	L _{B2}

TABLE 2-continued

Compound Number	L _A	L _B
2169	L _{A249}	L _{B2}
2170	L _{A250}	L _{B2}
2171	L _{A251}	L _{B2}
2172	L _{A252}	L _{B2}
2173	L _{A253}	L _{B2}
2174	L _{A254}	L _{B2}
2175	L _{A255}	L _{B2}
2176	L _{A256}	L _{B2}
2177	L _{A257}	L _{B2}
2178	L _{A258}	L _{B2}
2179	L _{A259}	L _{B2}
2180	L _{A260}	L _{B2}
2181	L _{A261}	L _{B2}
2182	L _{A262}	L _{B2}
2183	L _{A263}	L _{B2}
2184	L _{A264}	L _{B2}
2185	L _{A265}	L _{B2}
2186	L _{A266}	L _{B2}
2187	L _{A267}	L _{B2}
2188	L _{A268}	L _{B2}
2189	L _{A269}	L _{B2}
2190	L _{A270}	L _{B2}
2191	L _{A271}	L _{B2}
2192	L _{A272}	L _{B2}
2193	L _{A273}	L _{B2}
2194	L _{A274}	L _{B2}
2195	L _{A275}	L _{B2}
2196	L _{A276}	L _{B2}
2197	L _{A277}	L _{B2}
2198	L _{A278}	L _{B2}
2199	L _{A279}	L _{B2}
2200	L _{A280}	L _{B2}
2201	L _{A281}	L _{B2}
2202	L _{A282}	L _{B2}
2203	L _{A283}	L _{B2}
2204	L _{A284}	L _{B2}
2205	L _{A285}	L _{B2}
2206	L _{A286}	L _{B2}
2207	L _{A287}	L _{B2}
2208	L _{A288}	L _{B2}
2209	L _{A289}	L _{B2}
2210	L _{A290}	L _{B2}
2211	L _{A291}	L _{B2}
2212	L _{A292}	L _{B2}
2213	L _{A293}	L _{B2}
2214	L _{A294}	L _{B2}
2215	L _{A295}	L _{B2}
2216	L _{A296}	L _{B2}
2217	L _{A297}	L _{B2}
2218	L _{A298}	L _{B2}
2219	L _{A299}	L _{B2}
2220	L _{A300}	L _{B2}
2221	L _{A301}	L _{B2}
2222	L _{A302}	L _{B2}
2223	L _{A303}	L _{B2}
2224	L _{A304}	L _{B2}
2225	L _{A305}	L _{B2}
2226	L _{A306}	L _{B2}
2227	L _{A307}	L _{B2}
2228	L _{A308}	L _{B2}
2229	L _{A309}	L _{B2}
2230	L _{A310}	L _{B2}
2231	L _{A311}	L _{B2}
2232	L _{A312}	L _{B2}
2233	L _{A313}	L _{B2}
2234	L _{A314}	L _{B2}
2235	L _{A315}	L _{B2}
2236	L _{A316}	L _{B2}
2237	L _{A317}	L _{B2}
2238	L _{A318}	L _{B2}
2239	L _{A319}	L _{B2}
2240	L _{A320}	L _{B2}
2241	L _{A321}	L _{B2}
2242	L _{A322}	L _{B2}

TABLE 2-continued

Compound Number	L _A	L _B
2243	L _{A323}	L _{B2}
2244	L _{A324}	L _{B2}
2245	L _{A325}	L _{B2}
2246	L _{A326}	L _{B2}
2247	L _{A327}	L _{B2}
2248	L _{A328}	L _{B2}
2249	L _{A329}	L _{B2}
2250	L _{A330}	L _{B2}
2251	L _{A331}	L _{B2}
2252	L _{A332}	L _{B2}
2253	L _{A333}	L _{B2}
2254	L _{A334}	L _{B2}
2255	L _{A335}	L _{B2}
2256	L _{A336}	L _{B2}
2257	L _{A337}	L _{B2}
2258	L _{A338}	L _{B2}
2259	L _{A339}	L _{B2}
2260	L _{A340}	L _{B2}
2261	L _{A341}	L _{B2}
2262	L _{A342}	L _{B2}
2263	L _{A343}	L _{B2}
2264	L _{A344}	L _{B2}
2265	L _{A345}	L _{B2}
2266	L _{A346}	L _{B2}
2267	L _{A347}	L _{B2}
2268	L _{A348}	L _{B2}
2269	L _{A349}	L _{B2}
2270	L _{A350}	L _{B2}
2271	L _{A351}	L _{B2}
2272	L _{A352}	L _{B2}
2273	L _{A353}	L _{B2}
2274	L _{A354}	L _{B2}
2275	L _{A355}	L _{B2}
2276	L _{A356}	L _{B2}
2277	L _{A357}	L _{B2}
2278	L _{A358}	L _{B2}
2279	L _{A359}	L _{B2}
2280	L _{A360}	L _{B2}
2281	L _{A361}	L _{B2}
2282	L _{A362}	L _{B2}
2283	L _{A363}	L _{B2}
2284	L _{A364}	L _{B2}
2285	L _{A365}	L _{B2}
2286	L _{A366}	L _{B2}
2287	L _{A367}	L _{B2}
2288	L _{A368}	L _{B2}
2289	L _{A369}	L _{B2}
2290	L _{A370}	L _{B2}
2291	L _{A371}	L _{B2}
2292	L _{A372}	L _{B2}
2293	L _{A373}	L _{B2}
2294	L _{A374}	L _{B2}
2295	L _{A375}	L _{B2}
2296	L _{A376}	L _{B2}
2297	L _{A377}	L _{B2}
2298	L _{A378}	L _{B2}
2299	L _{A379}	L _{B2}
2300	L _{A380}	L _{B2}
2301	L _{A381}	L _{B2}
2302	L _{A382}	L _{B2}
2303	L _{A383}	L _{B2}
2304	L _{A384}	L _{B2}
2305	L _{A385}	L _{B2}
2306	L _{A386}	L _{B2}
2307	L _{A387}	L _{B2}
2308	L _{A388}	L _{B2}
2309	L _{A389}	L _{B2}
2310	L _{A390}	L _{B2}
2311	L _{A391}	L _{B2}
2312	L _{A392}	L _{B2}
2313	L _{A393}	L _{B2}
2314	L _{A394}	L _{B2}
2315	L _{A395}	L _{B2}
2316	L _{A396}	L _{B2}

TABLE 2-continued

Compound Number	L _A	L _B
2317	L _{A397}	L _{B2}
2318	L _{A398}	L _{B2}
2319	L _{A399}	L _{B2}
2320	L _{A400}	L _{B2}
2321	L _{A401}	L _{B2}
2322	L _{A402}	L _{B2}
2323	L _{A403}	L _{B2}
2324	L _{A404}	L _{B2}
2325	L _{A405}	L _{B2}
2326	L _{A406}	L _{B2}
2327	L _{A407}	L _{B2}
2328	L _{A408}	L _{B2}
2329	L _{A409}	L _{B2}
2330	L _{A410}	L _{B2}
2331	L _{A411}	L _{B2}
2332	L _{A412}	L _{B2}
2333	L _{A413}	L _{B2}
2334	L _{A414}	L _{B2}
2335	L _{A415}	L _{B2}
2336	L _{A416}	L _{B2}
2337	L _{A417}	L _{B2}
2338	L _{A418}	L _{B2}
2339	L _{A419}	L _{B2}
2340	L _{A420}	L _{B2}
2341	L _{A421}	L _{B2}
2342	L _{A422}	L _{B2}
2343	L _{A423}	L _{B2}
2344	L _{A424}	L _{B2}
2345	L _{A425}	L _{B2}
2346	L _{A426}	L _{B2}
2347	L _{A427}	L _{B2}
2348	L _{A428}	L _{B2}
2349	L _{A429}	L _{B2}
2350	L _{A430}	L _{B2}
2351	L _{A431}	L _{B2}
2352	L _{A432}	L _{B2}
2353	L _{A433}	L _{B2}
2354	L _{A434}	L _{B2}
2355	L _{A435}	L _{B2}
2356	L _{A436}	L _{B2}
2357	L _{A437}	L _{B2}
2358	L _{A438}	L _{B2}
2359	L _{A439}	L _{B2}
2360	L _{A440}	L _{B2}
2361	L _{A441}	L _{B2}
2362	L _{A442}	L _{B2}
2363	L _{A443}	L _{B2}
2364	L _{A444}	L _{B2}
2365	L _{A445}	L _{B2}
2366	L _{A446}	L _{B2}
2367	L _{A447}	L _{B2}
2368	L _{A448}	L _{B2}
2369	L _{A449}	L _{B2}
2370	L _{A450}	L _{B2}
2371	L _{A451}	L _{B2}
2372	L _{A452}	L _{B2}
2373	L _{A453}	L _{B2}
2374	L _{A454}	L _{B2}
2375	L _{A455}	L _{B2}
2376	L _{A456}	L _{B2}
2377	L _{A457}	L _{B2}
2378	L _{A458}	L _{B2}
2379	L _{A459}	L _{B2}
2380	L _{A460}	L _{B2}
2381	L _{A461}	L _{B2}
2382	L _{A462}	L _{B2}
2383	L _{A463}	L _{B2}
2384	L _{A464}	L _{B2}
2385	L _{A465}	L _{B2}
2386	L _{A466}	L _{B2}
2387	L _{A467}	L _{B2}
2388	L _{A468}	L _{B2}
2389	L _{A469}	L _{B2}
2390	L _{A470}	L _{B2}

TABLE 2-continued

Compound Number	L _A	L _B
2391	L ₄₄₇₁	L _{B2}
2392	L ₄₄₇₂	L _{B2}
2393	L ₄₄₇₃	L _{B2}
2394	L ₄₄₇₄	L _{B2}
2395	L ₄₄₇₅	L _{B2}
2396	L ₄₄₇₆	L _{B2}
2397	L ₄₄₇₇	L _{B2}
2398	L ₄₄₇₈	L _{B2}
2399	L ₄₄₇₉	L _{B2}
2400	L ₄₄₈₀	L _{B2}
2401	L ₄₄₈₁	L _{B2}
2402	L ₄₄₈₂	L _{B2}
2403	L ₄₄₈₃	L _{B2}
2404	L ₄₄₈₄	L _{B2}
2405	L ₄₄₈₅	L _{B2}
2406	L ₄₄₈₆	L _{B2}
2407	L ₄₄₈₇	L _{B2}
2408	L ₄₄₈₈	L _{B2}
2409	L ₄₄₈₉	L _{B2}
2410	L ₄₄₉₀	L _{B2}
2411	L ₄₄₉₁	L _{B2}
2412	L ₄₄₉₂	L _{B2}
2413	L ₄₄₉₃	L _{B2}
2414	L ₄₄₉₄	L _{B2}
2415	L ₄₄₉₅	L _{B2}
2416	L ₄₄₉₆	L _{B2}
2417	L ₄₄₉₇	L _{B2}
2418	L ₄₄₉₈	L _{B2}
2419	L ₄₄₉₉	L _{B2}
2420	L ₄₅₀₀	L _{B2}
2421	L ₄₅₀₁	L _{B2}
2422	L ₄₅₀₂	L _{B2}
2423	L ₄₅₀₃	L _{B2}
2424	L ₄₅₀₄	L _{B2}
2425	L ₄₅₀₅	L _{B2}
2426	L ₄₅₀₆	L _{B2}
2427	L ₄₅₀₇	L _{B2}
2428	L ₄₅₀₈	L _{B2}
2429	L ₄₅₀₉	L _{B2}
2430	L ₄₅₁₀	L _{B2}
2431	L ₄₅₁₁	L _{B2}
2432	L ₄₅₁₂	L _{B2}
2433	L ₄₅₁₃	L _{B2}
2434	L ₄₅₁₄	L _{B2}
2435	L ₄₅₁₅	L _{B2}
2436	L ₄₅₁₆	L _{B2}
2437	L ₄₅₁₇	L _{B2}
2438	L ₄₅₁₈	L _{B2}
2439	L ₄₅₁₉	L _{B2}
2440	L ₄₅₂₀	L _{B2}
2441	L ₄₅₂₁	L _{B2}
2442	L ₄₅₂₂	L _{B2}
2443	L ₄₅₂₃	L _{B2}
2444	L ₄₅₂₄	L _{B2}
2445	L ₄₅₂₅	L _{B2}
2446	L ₄₅₂₆	L _{B2}
2447	L ₄₅₂₇	L _{B2}
2448	L ₄₅₂₈	L _{B2}
2449	L ₄₅₂₉	L _{B2}
2450	L ₄₅₃₀	L _{B2}
2451	L ₄₅₃₁	L _{B2}
2452	L ₄₅₃₂	L _{B2}
2453	L ₄₅₃₃	L _{B2}
2454	L ₄₅₃₄	L _{B2}
2455	L ₄₅₃₅	L _{B2}
2456	L ₄₅₃₆	L _{B2}
2457	L ₄₅₃₇	L _{B2}
2458	L ₄₅₃₈	L _{B2}
2459	L ₄₅₃₉	L _{B2}
2460	L ₄₅₄₀	L _{B2}
2461	L ₄₅₄₁	L _{B2}
2462	L ₄₅₄₂	L _{B2}
2463	L ₄₅₄₃	L _{B2}
2464	L ₄₅₄₄	L _{B2}

TABLE 2-continued

Compound Number	L _A	L _B
2465	L ₄₅₄₅	L _{B2}
2466	L ₄₅₄₆	L _{B2}
2467	L ₄₅₄₇	L _{B2}
2468	L ₄₅₄₈	L _{B2}
2469	L ₄₅₄₉	L _{B2}
2470	L ₄₅₅₀	L _{B2}
2471	L ₄₅₅₁	L _{B2}
2472	L ₄₅₅₂	L _{B2}
2473	L ₄₅₅₃	L _{B2}
2474	L ₄₅₅₄	L _{B2}
2475	L ₄₅₅₅	L _{B2}
2476	L ₄₅₅₆	L _{B2}
2477	L ₄₅₅₇	L _{B2}
2478	L ₄₅₅₈	L _{B2}
2479	L ₄₅₅₉	L _{B2}
2480	L ₄₅₆₀	L _{B2}
2481	L ₄₅₆₁	L _{B2}
2482	L ₄₅₆₂	L _{B2}
2483	L ₄₅₆₃	L _{B2}
2484	L ₄₅₆₄	L _{B2}
2485	L ₄₅₆₅	L _{B2}
2486	L ₄₅₆₆	L _{B2}
2487	L ₄₅₆₇	L _{B2}
2488	L ₄₅₆₈	L _{B2}
2489	L ₄₅₆₉	L _{B2}
2490	L ₄₅₇₀	L _{B2}
2491	L ₄₅₇₁	L _{B2}
2492	L ₄₅₇₂	L _{B2}
2493	L ₄₅₇₃	L _{B2}
2494	L ₄₅₇₄	L _{B2}
2495	L ₄₅₇₅	L _{B2}
2496	L ₄₅₇₆	L _{B2}
2497	L ₄₅₇₇	L _{B2}
2498	L ₄₅₇₈	L _{B2}
2499	L ₄₅₇₉	L _{B2}
2500	L ₄₅₈₀	L _{B2}
2501	L ₄₅₈₁	L _{B2}
2502	L ₄₅₈₂	L _{B2}
2503	L ₄₅₈₃	L _{B2}
2504	L ₄₅₈₄	L _{B2}
2505	L ₄₅₈₅	L _{B2}
2506	L ₄₅₈₆	L _{B2}
2507	L ₄₅₈₇	L _{B2}
2508	L ₄₅₈₈	L _{B2}
2509	L ₄₅₈₉	L _{B2}
2510	L ₄₅₉₀	L _{B2}
2511	L ₄₅₉₁	L _{B2}
2512	L ₄₅₉₂	L _{B2}
2513	L ₄₅₉₃	L _{B2}
2514	L ₄₅₉₄	L _{B2}
2515	L ₄₅₉₅	L _{B2}
2516	L ₄₅₉₆	L _{B2}
2517	L ₄₅₉₇	L _{B2}
2518	L ₄₅₉₈	L _{B2}
2519	L ₄₅₉₉	L _{B2}
2520	L ₄₆₀₀	L _{B2}
2521	L ₄₆₀₁	L _{B2}
2522	L ₄₆₀₂	L _{B2}
2523	L ₄₆₀₃	L _{B2}
2524	L ₄₆₀₄	L _{B2}
2525	L ₄₆₀₅	L _{B2}
2526	L ₄₆₀₆	L _{B2}
2527	L ₄₆₀₇	L _{B2}
2528	L ₄₆₀₈	L _{B2}
2529	L ₄₆₀₉	L _{B2}
2530	L ₄₆₁₀	L _{B2}
2531	L ₄₆₁₁	L _{B2}
2532	L ₄₆₁₂	L _{B2}
2533	L ₄₆₁₃	L _{B2}
2534	L ₄₆₁₄	L _{B2}
2535	L ₄₆₁₅	L _{B2}
2536	L ₄₆₁₆	L _{B2}
2537	L ₄₆₁₇	L _{B2}
2538	L ₄₆₁₈	L _{B2}

TABLE 2-continued

Compound Number	L _A	L _B
2539	L _{A619}	L _{B2}
2540	L _{A620}	L _{B2}
2541	L _{A621}	L _{B2}
2542	L _{A622}	L _{B2}
2543	L _{A623}	L _{B2}
2544	L _{A624}	L _{B2}
2545	L _{A625}	L _{B2}
2546	L _{A626}	L _{B2}
2547	L _{A627}	L _{B2}
2548	L _{A628}	L _{B2}
2549	L _{A629}	L _{B2}
2550	L _{A630}	L _{B2}
2551	L _{A631}	L _{B2}
2552	L _{A632}	L _{B2}
2553	L _{A633}	L _{B2}
2554	L _{A634}	L _{B2}
2555	L _{A635}	L _{B2}
2556	L _{A636}	L _{B2}
2557	L _{A637}	L _{B2}
2558	L _{A638}	L _{B2}
2559	L _{A639}	L _{B2}
2560	L _{A640}	L _{B2}
2561	L _{A641}	L _{B2}
2562	L _{A642}	L _{B2}
2563	L _{A643}	L _{B2}
2564	L _{A644}	L _{B2}
2565	L _{A645}	L _{B2}
2566	L _{A646}	L _{B2}
2567	L _{A647}	L _{B2}
2568	L _{A648}	L _{B2}
2569	L _{A649}	L _{B2}
2570	L _{A650}	L _{B2}
2571	L _{A651}	L _{B2}
2572	L _{A652}	L _{B2}
2573	L _{A653}	L _{B2}
2574	L _{A654}	L _{B2}
2575	L _{A655}	L _{B2}
2576	L _{A656}	L _{B2}
2577	L _{A657}	L _{B2}
2578	L _{A658}	L _{B2}
2579	L _{A659}	L _{B2}
2580	L _{A660}	L _{B2}
2581	L _{A661}	L _{B2}
2582	L _{A662}	L _{B2}
2583	L _{A663}	L _{B2}
2584	L _{A664}	L _{B2}
2585	L _{A665}	L _{B2}
2586	L _{A666}	L _{B2}
2587	L _{A667}	L _{B2}
2588	L _{A668}	L _{B2}
2589	L _{A669}	L _{B2}
2590	L _{A670}	L _{B2}
2591	L _{A671}	L _{B2}
2592	L _{A672}	L _{B2}
2593	L _{A673}	L _{B2}
2594	L _{A674}	L _{B2}
2595	L _{A675}	L _{B2}
2596	L _{A676}	L _{B2}
2597	L _{A677}	L _{B2}
2598	L _{A678}	L _{B2}
2599	L _{A679}	L _{B2}
2600	L _{A680}	L _{B2}
2601	L _{A681}	L _{B2}
2602	L _{A682}	L _{B2}
2603	L _{A683}	L _{B2}
2604	L _{A684}	L _{B2}
2605	L _{A685}	L _{B2}
2606	L _{A686}	L _{B2}
2607	L _{A687}	L _{B2}
2608	L _{A688}	L _{B2}
2609	L _{A689}	L _{B2}
2610	L _{A690}	L _{B2}
2611	L _{A691}	L _{B2}
2612	L _{A692}	L _{B2}

TABLE 2-continued

Compound Number	L _A	L _B
2613	L _{A693}	L _{B2}
2614	L _{A694}	L _{B2}
2615	L _{A695}	L _{B2}
2616	L _{A696}	L _{B2}
2617	L _{A697}	L _{B2}
2618	L _{A698}	L _{B2}
2619	L _{A699}	L _{B2}
2620	L _{A700}	L _{B2}
2621	L _{A701}	L _{B2}
2622	L _{A702}	L _{B2}
2623	L _{A703}	L _{B2}
2624	L _{A704}	L _{B2}
2625	L _{A705}	L _{B2}
2626	L _{A706}	L _{B2}
2627	L _{A707}	L _{B2}
2628	L _{A708}	L _{B2}
2629	L _{A709}	L _{B2}
2630	L _{A710}	L _{B2}
2631	L _{A711}	L _{B2}
2632	L _{A712}	L _{B2}
2633	L _{A713}	L _{B2}
2634	L _{A714}	L _{B2}
2635	L _{A715}	L _{B2}
2636	L _{A716}	L _{B2}
2637	L _{A717}	L _{B2}
2638	L _{A718}	L _{B2}
2639	L _{A719}	L _{B2}
2640	L _{A720}	L _{B2}
2641	L _{A721}	L _{B2}
2642	L _{A722}	L _{B2}
2643	L _{A723}	L _{B2}
2644	L _{A724}	L _{B2}
2645	L _{A725}	L _{B2}
2646	L _{A726}	L _{B2}
2647	L _{A727}	L _{B2}
2648	L _{A728}	L _{B2}
2649	L _{A729}	L _{B2}
2650	L _{A730}	L _{B2}
2651	L _{A731}	L _{B2}
2652	L _{A732}	L _{B2}
2653	L _{A733}	L _{B2}
2654	L _{A734}	L _{B2}
2655	L _{A735}	L _{B2}
2656	L _{A736}	L _{B2}
2657	L _{A737}	L _{B2}
2658	L _{A738}	L _{B2}
2659	L _{A739}	L _{B2}
2660	L _{A740}	L _{B2}
2661	L _{A741}	L _{B2}
2662	L _{A742}	L _{B2}
2663	L _{A743}	L _{B2}
2664	L _{A744}	L _{B2}
2665	L _{A745}	L _{B2}
2666	L _{A746}	L _{B2}
2667	L _{A747}	L _{B2}
2668	L _{A748}	L _{B2}
2669	L _{A749}	L _{B2}
2670	L _{A750}	L _{B2}
2671	L _{A751}	L _{B2}
2672	L _{A752}	L _{B2}
2673	L _{A753}	L _{B2}
2674	L _{A754}	L _{B2}
2675	L _{A755}	L _{B2}
2676	L _{A756}	L _{B2}
2677	L _{A757}	L _{B2}
2678	L _{A758}	L _{B2}
2679	L _{A759}	L _{B2}
2680	L _{A760}	L _{B2}
2681	L _{A761}	L _{B2}
2682	L _{A762}	L _{B2}
2683	L _{A763}	L _{B2}
2684	L _{A764}	L _{B2}
2685	L _{A765}	L _{B2}
2686	L _{A766}	L _{B2}

TABLE 2-continued

Compound Number	L _A	L _B
2687	L _{A767}	L _{B2}
2688	L _{A768}	L _{B2}
2689	L _{A769}	L _{B2}
2690	L _{A770}	L _{B2}
2691	L _{A771}	L _{B2}
2692	L _{A772}	L _{B2}
2693	L _{A773}	L _{B2}
2694	L _{A774}	L _{B2}
2695	L _{A775}	L _{B2}
2696	L _{A776}	L _{B2}
2697	L _{A777}	L _{B2}
2698	L _{A778}	L _{B2}
2699	L _{A779}	L _{B2}
2700	L _{A780}	L _{B2}
2701	L _{A781}	L _{B2}
2702	L _{A782}	L _{B2}
2703	L _{A783}	L _{B2}
2704	L _{A784}	L _{B2}
2705	L _{A785}	L _{B2}
2706	L _{A786}	L _{B2}
2707	L _{A787}	L _{B2}
2708	L _{A788}	L _{B2}
2709	L _{A789}	L _{B2}
2710	L _{A790}	L _{B2}
2711	L _{A791}	L _{B2}
2712	L _{A792}	L _{B2}
2713	L _{A793}	L _{B2}
2714	L _{A794}	L _{B2}
2715	L _{A795}	L _{B2}
2716	L _{A796}	L _{B2}
2717	L _{A797}	L _{B2}
2718	L _{A798}	L _{B2}
2719	L _{A799}	L _{B2}
2720	L _{A800}	L _{B2}
2721	L _{A801}	L _{B2}
2722	L _{A802}	L _{B2}
2723	L _{A803}	L _{B2}
2724	L _{A804}	L _{B2}
2725	L _{A805}	L _{B2}
2726	L _{A806}	L _{B2}
2727	L _{A807}	L _{B2}
2728	L _{A808}	L _{B2}
2729	L _{A809}	L _{B2}
2730	L _{A810}	L _{B2}
2731	L _{A811}	L _{B2}
2732	L _{A812}	L _{B2}
2733	L _{A813}	L _{B2}
2734	L _{A814}	L _{B2}
2735	L _{A815}	L _{B2}
2736	L _{A816}	L _{B2}
2737	L _{A817}	L _{B2}
2738	L _{A818}	L _{B2}
2739	L _{A819}	L _{B2}
2740	L _{A820}	L _{B2}
2741	L _{A821}	L _{B2}
2742	L _{A822}	L _{B2}
2743	L _{A823}	L _{B2}
2744	L _{A824}	L _{B2}
2745	L _{A825}	L _{B2}
2746	L _{A826}	L _{B2}
2747	L _{A827}	L _{B2}
2748	L _{A828}	L _{B2}
2749	L _{A829}	L _{B2}
2750	L _{A830}	L _{B2}
2751	L _{A831}	L _{B2}
2752	L _{A832}	L _{B2}
2753	L _{A833}	L _{B2}
2754	L _{A834}	L _{B2}
2755	L _{A835}	L _{B2}
2756	L _{A836}	L _{B2}
2757	L _{A837}	L _{B2}
2758	L _{A838}	L _{B2}
2759	L _{A839}	L _{B2}
2760	L _{A840}	L _{B2}

TABLE 2-continued

Compound Number	L _A	L _B
2761	L _{A841}	L _{B2}
2762	L _{A842}	L _{B2}
2763	L _{A843}	L _{B2}
2764	L _{A844}	L _{B2}
2765	L _{A845}	L _{B2}
2766	L _{A846}	L _{B2}
2767	L _{A847}	L _{B2}
2768	L _{A848}	L _{B2}
2769	L _{A849}	L _{B2}
2770	L _{A850}	L _{B2}
2771	L _{A851}	L _{B2}
2772	L _{A852}	L _{B2}
2773	L _{A853}	L _{B2}
2774	L _{A854}	L _{B2}
2775	L _{A855}	L _{B2}
2776	L _{A856}	L _{B2}
2777	L _{A857}	L _{B2}
2778	L _{A858}	L _{B2}
2779	L _{A859}	L _{B2}
2780	L _{A860}	L _{B2}
2781	L _{A861}	L _{B2}
2782	L _{A862}	L _{B2}
2783	L _{A863}	L _{B2}
2784	L _{A864}	L _{B2}
2785	L _{A865}	L _{B2}
2786	L _{A866}	L _{B2}
2787	L _{A867}	L _{B2}
2788	L _{A868}	L _{B2}
2789	L _{A869}	L _{B2}
2790	L _{A870}	L _{B2}
2791	L _{A871}	L _{B2}
2792	L _{A872}	L _{B2}
2793	L _{A873}	L _{B2}
2794	L _{A874}	L _{B2}
2795	L _{A875}	L _{B2}
2796	L _{A876}	L _{B2}
2797	L _{A877}	L _{B2}
2798	L _{A878}	L _{B2}
2799	L _{A879}	L _{B2}
2800	L _{A880}	L _{B2}
2801	L _{A881}	L _{B2}
2802	L _{A882}	L _{B2}
2803	L _{A883}	L _{B2}
2804	L _{A884}	L _{B2}
2805	L _{A885}	L _{B2}
2806	L _{A886}	L _{B2}
2807	L _{A887}	L _{B2}
2808	L _{A888}	L _{B2}
2809	L _{A889}	L _{B2}
2810	L _{A890}	L _{B2}
2811	L _{A891}	L _{B2}
2812	L _{A892}	L _{B2}
2813	L _{A893}	L _{B2}
2814	L _{A894}	L _{B2}
2815	L _{A895}	L _{B2}
2816	L _{A896}	L _{B2}
2817	L _{A897}	L _{B2}
2818	L _{A898}	L _{B2}
2819	L _{A899}	L _{B2}
2820	L _{A900}	L _{B2}
2821	L _{A901}	L _{B2}
2822	L _{A902}	L _{B2}
2823	L _{A903}	L _{B2}
2824	L _{A904}	L _{B2}
2825	L _{A905}	L _{B2}
2826	L _{A906}	L _{B2}
2827	L _{A907}	L _{B2}
2828	L _{A908}	L _{B2}
2829	L _{A909}	L _{B2}
2830	L _{A910}	L _{B2}
2831	L _{A911}	L _{B2}
2832	L _{A912}	L _{B2}
2833	L _{A913}	L _{B2}
2834	L _{A914}	L _{B2}

TABLE 2-continued

Compound Number	L _A	L _B
2835	L _{A915}	L _{B2}
2836	L _{A916}	L _{B2}
2837	L _{A917}	L _{B2}
2838	L _{A918}	L _{B2}
2839	L _{A919}	L _{B2}
2840	L _{A920}	L _{B2}
2841	L _{A921}	L _{B2}
2842	L _{A922}	L _{B2}
2843	L _{A923}	L _{B2}
2844	L _{A924}	L _{B2}
2845	L _{A925}	L _{B2}
2846	L _{A926}	L _{B2}
2847	L _{A927}	L _{B2}
2848	L _{A928}	L _{B2}
2849	L _{A929}	L _{B2}
2850	L _{A930}	L _{B2}
2851	L _{A931}	L _{B2}
2852	L _{A932}	L _{B2}
2853	L _{A933}	L _{B2}
2854	L _{A934}	L _{B2}
2855	L _{A935}	L _{B2}
2856	L _{A936}	L _{B2}
2857	L _{A937}	L _{B2}
2858	L _{A938}	L _{B2}
2859	L _{A939}	L _{B2}
2860	L _{A940}	L _{B2}
2861	L _{A941}	L _{B2}
2862	L _{A942}	L _{B2}
2863	L _{A943}	L _{B2}
2864	L _{A944}	L _{B2}
2865	L _{A945}	L _{B2}
2866	L _{A946}	L _{B2}
2867	L _{A947}	L _{B2}
2868	L _{A948}	L _{B2}
2869	L _{A949}	L _{B2}
2870	L _{A950}	L _{B2}
2871	L _{A951}	L _{B2}
2872	L _{A952}	L _{B2}
2873	L _{A953}	L _{B2}
2874	L _{A954}	L _{B2}
2875	L _{A955}	L _{B2}
2876	L _{A956}	L _{B2}
2877	L _{A957}	L _{B2}
2878	L _{A958}	L _{B2}
2879	L _{A959}	L _{B2}
2880	L _{A960}	L _{B2}
2881	L _{A1}	L _{B5}
2882	L _{A2}	L _{B5}
2883	L _{A3}	L _{B5}
2884	L _{A4}	L _{B5}
2885	L _{A5}	L _{B5}
2886	L _{A6}	L _{B5}
2887	L _{A7}	L _{B5}
2888	L _{A8}	L _{B5}
2889	L _{A9}	L _{B5}
2890	L _{A10}	L _{B5}
2891	L _{A11}	L _{B5}
2892	L _{A12}	L _{B5}
2893	L _{A13}	L _{B5}
2894	L _{A14}	L _{B5}
2895	L _{A15}	L _{B5}
2896	L _{A16}	L _{B5}
2897	L _{A17}	L _{B5}
2898	L _{A18}	L _{B5}
2899	L _{A19}	L _{B5}
2900	L _{A20}	L _{B5}
2901	L _{A21}	L _{B5}
2902	L _{A22}	L _{B5}
2903	L _{A23}	L _{B5}
2904	L _{A24}	L _{B5}
2905	L _{A25}	L _{B5}
2906	L _{A26}	L _{B5}
2907	L _{A27}	L _{B5}
2908	L _{A28}	L _{B5}

TABLE 2-continued

Compound Number	L _A	L _B
2909	L _{A29}	L _{B5}
2910	L _{A30}	L _{B5}
2911	L _{A31}	L _{B5}
2912	L _{A32}	L _{B5}
2913	L _{A33}	L _{B5}
2914	L _{A34}	L _{B5}
2915	L _{A35}	L _{B5}
2916	L _{A36}	L _{B5}
2917	L _{A37}	L _{B5}
2918	L _{A38}	L _{B5}
2919	L _{A39}	L _{B5}
2920	L _{A40}	L _{B5}
2921	L _{A41}	L _{B5}
2922	L _{A42}	L _{B5}
2923	L _{A43}	L _{B5}
2924	L _{A44}	L _{B5}
2925	L _{A45}	L _{B5}
2926	L _{A46}	L _{B5}
2927	L _{A47}	L _{B5}
2928	L _{A48}	L _{B5}
2929	L _{A49}	L _{B5}
2930	L _{A50}	L _{B5}
2931	L _{A51}	L _{B5}
2932	L _{A52}	L _{B5}
2933	L _{A53}	L _{B5}
2934	L _{A54}	L _{B5}
2935	L _{A55}	L _{B5}
2936	L _{A56}	L _{B5}
2937	L _{A57}	L _{B5}
2938	L _{A58}	L _{B5}
2939	L _{A59}	L _{B5}
2940	L _{A60}	L _{B5}
2941	L _{A61}	L _{B5}
2942	L _{A62}	L _{B5}
2943	L _{A63}	L _{B5}
2944	L _{A64}	L _{B5}
2945	L _{A65}	L _{B5}
2946	L _{A66}	L _{B5}
2947	L _{A67}	L _{B5}
2948	L _{A68}	L _{B5}
2949	L _{A69}	L _{B5}
2950	L _{A70}	L _{B5}
2951	L _{A71}	L _{B5}
2952	L _{A72}	L _{B5}
2953	L _{A73}	L _{B5}
2954	L _{A74}	L _{B5}
2955	L _{A75}	L _{B5}
2956	L _{A76}	L _{B5}
2957	L _{A77}	L _{B5}
2958	L _{A78}	L _{B5}
2959	L _{A79}	L _{B5}
2960	L _{A80}	L _{B5}
2961	L _{A81}	L _{B5}
2962	L _{A82}	L _{B5}
2963	L _{A83}	L _{B5}
2964	L _{A84}	L _{B5}
2965	L _{A85}	L _{B5}
2966	L _{A86}	L _{B5}
2967	L _{A87}	L _{B5}
2968	L _{A88}	L _{B5}
2969	L _{A89}	L _{B5}
2970	L _{A90}	L _{B5}
2971	L _{A91}	L _{B5}
2972	L _{A92}	L _{B5}
2973	L _{A93}	L _{B5}
2974	L _{A94}	L _{B5}
2975	L _{A95}	L _{B5}
2976	L _{A96}	L _{B5}
2977	L _{A97}	L _{B5}
2978	L _{A98}	L _{B5}
2979	L _{A99}	L _{B5}
2980	L _{A100}	L _{B5}
2981	L _{A101}	L _{B5}
2982	L _{A102}	L _{B5}

TABLE 2-continued

Compound Number	L _A	L _B
2983	L _{A103}	L _{B5}
2984	L _{A104}	L _{B5}
2985	L _{A105}	L _{B5}
2986	L _{A106}	L _{B5}
2987	L _{A107}	L _{B5}
2988	L _{A108}	L _{B5}
2989	L _{A109}	L _{B5}
2990	L _{A110}	L _{B5}
2991	L _{A111}	L _{B5}
2992	L _{A112}	L _{B5}
2993	L _{A113}	L _{B5}
2994	L _{A114}	L _{B5}
2995	L _{A115}	L _{B5}
2996	L _{A116}	L _{B5}
2997	L _{A117}	L _{B5}
2998	L _{A118}	L _{B5}
2999	L _{A119}	L _{B5}
3000	L _{A120}	L _{B5}
3001	L _{A121}	L _{B5}
3002	L _{A122}	L _{B5}
3003	L _{A123}	L _{B5}
3004	L _{A124}	L _{B5}
3005	L _{A125}	L _{B5}
3006	L _{A126}	L _{B5}
3007	L _{A127}	L _{B5}
3008	L _{A128}	L _{B5}
3009	L _{A129}	L _{B5}
3010	L _{A130}	L _{B5}
3011	L _{A131}	L _{B5}
3012	L _{A132}	L _{B5}
3013	L _{A133}	L _{B5}
3014	L _{A134}	L _{B5}
3015	L _{A135}	L _{B5}
3016	L _{A136}	L _{B5}
3017	L _{A137}	L _{B5}
3018	L _{A138}	L _{B5}
3019	L _{A139}	L _{B5}
3020	L _{A140}	L _{B5}
3021	L _{A141}	L _{B5}
3022	L _{A142}	L _{B5}
3023	L _{A143}	L _{B5}
3024	L _{A144}	L _{B5}
3025	L _{A145}	L _{B5}
3026	L _{A146}	L _{B5}
3027	L _{A147}	L _{B5}
3028	L _{A148}	L _{B5}
3029	L _{A149}	L _{B5}
3030	L _{A150}	L _{B5}
3031	L _{A151}	L _{B5}
3032	L _{A152}	L _{B5}
3033	L _{A153}	L _{B5}
3034	L _{A154}	L _{B5}
3035	L _{A155}	L _{B5}
3036	L _{A156}	L _{B5}
3037	L _{A157}	L _{B5}
3038	L _{A158}	L _{B5}
3039	L _{A159}	L _{B5}
3040	L _{A160}	L _{B5}
3041	L _{A161}	L _{B5}
3042	L _{A162}	L _{B5}
3043	L _{A163}	L _{B5}
3044	L _{A164}	L _{B5}
3045	L _{A165}	L _{B5}
3046	L _{A166}	L _{B5}
3047	L _{A167}	L _{B5}
3048	L _{A168}	L _{B5}
3049	L _{A169}	L _{B5}
3050	L _{A170}	L _{B5}
3051	L _{A171}	L _{B5}
3052	L _{A172}	L _{B5}
3053	L _{A173}	L _{B5}
3054	L _{A174}	L _{B5}
3055	L _{A175}	L _{B5}
3056	L _{A176}	L _{B5}

TABLE 2-continued

Compound Number	L _A	L _B
3057	L _{A177}	L _{B5}
3058	L _{A178}	L _{B5}
3059	L _{A179}	L _{B5}
3060	L _{A180}	L _{B5}
3061	L _{A181}	L _{B5}
3062	L _{A182}	L _{B5}
3063	L _{A183}	L _{B5}
3064	L _{A184}	L _{B5}
3065	L _{A185}	L _{B5}
3066	L _{A186}	L _{B5}
3067	L _{A187}	L _{B5}
3068	L _{A188}	L _{B5}
3069	L _{A189}	L _{B5}
3070	L _{A190}	L _{B5}
3071	L _{A191}	L _{B5}
3072	L _{A192}	L _{B5}
3073	L _{A193}	L _{B5}
3074	L _{A194}	L _{B5}
3075	L _{A195}	L _{B5}
3076	L _{A196}	L _{B5}
3077	L _{A197}	L _{B5}
3078	L _{A198}	L _{B5}
3079	L _{A199}	L _{B5}
3080	L _{A200}	L _{B5}
3081	L _{A201}	L _{B5}
3082	L _{A202}	L _{B5}
3083	L _{A203}	L _{B5}
3084	L _{A204}	L _{B5}
3085	L _{A205}	L _{B5}
3086	L _{A206}	L _{B5}
3087	L _{A207}	L _{B5}
3088	L _{A208}	L _{B5}
3089	L _{A209}	L _{B5}
3090	L _{A210}	L _{B5}
3091	L _{A211}	L _{B5}
3092	L _{A212}	L _{B5}
3093	L _{A213}	L _{B5}
3094	L _{A214}	L _{B5}
3095	L _{A215}	L _{B5}
3096	L _{A216}	L _{B5}
3097	L _{A217}	L _{B5}
3098	L _{A218}	L _{B5}
3099	L _{A219}	L _{B5}
3100	L _{A220}	L _{B5}
3101	L _{A221}	L _{B5}
3102	L _{A222}	L _{B5}
3103	L _{A223}	L _{B5}
3104	L _{A224}	L _{B5}
3105	L _{A225}	L _{B5}
3106	L _{A226}	L _{B5}
3107	L _{A227}	L _{B5}
3108	L _{A228}	L _{B5}
3109	L _{A229}	L _{B5}
3110	L _{A230}	L _{B5}
3111	L _{A231}	L _{B5}
3112	L _{A232}	L _{B5}
3113	L _{A233}	L _{B5}
3114	L _{A234}	L _{B5}
3115	L _{A235}	L _{B5}
3116	L _{A236}	L _{B5}
3117	L _{A237}	L _{B5}
3118	L _{A238}	L _{B5}
3119	L _{A239}	L _{B5}
3120	L _{A240}	L _{B5}
3121	L _{A241}	L _{B5}
3122	L _{A242}	L _{B5}
3123	L _{A243}	L _{B5}
3124	L _{A244}	L _{B5}
3125	L _{A245}	L _{B5}
3126	L _{A246}	L _{B5}
3127	L _{A247}	L _{B5}
3128	L _{A248}	L _{B5}
3129	L _{A249}	L _{B5}
3130	L _{A250}	L _{B5}

TABLE 2-continued

Compound Number	L _A	L _B
3131	L _{A251}	L _{B5}
3132	L _{A252}	L _{B5}
3133	L _{A253}	L _{B5}
3134	L _{A254}	L _{B5}
3135	L _{A255}	L _{B5}
3136	L _{A256}	L _{B5}
3137	L _{A257}	L _{B5}
3138	L _{A258}	L _{B5}
3139	L _{A259}	L _{B5}
3140	L _{A260}	L _{B5}
3141	L _{A261}	L _{B5}
3142	L _{A262}	L _{B5}
3143	L _{A263}	L _{B5}
3144	L _{A264}	L _{B5}
3145	L _{A265}	L _{B5}
3146	L _{A266}	L _{B5}
3147	L _{A267}	L _{B5}
3148	L _{A268}	L _{B5}
3149	L _{A269}	L _{B5}
3150	L _{A270}	L _{B5}
3151	L _{A271}	L _{B5}
3152	L _{A272}	L _{B5}
3153	L _{A273}	L _{B5}
3154	L _{A274}	L _{B5}
3155	L _{A275}	L _{B5}
3156	L _{A276}	L _{B5}
3157	L _{A277}	L _{B5}
3158	L _{A278}	L _{B5}
3159	L _{A279}	L _{B5}
3160	L _{A280}	L _{B5}
3161	L _{A281}	L _{B5}
3162	L _{A282}	L _{B5}
3163	L _{A283}	L _{B5}
3164	L _{A284}	L _{B5}
3165	L _{A285}	L _{B5}
3166	L _{A286}	L _{B5}
3167	L _{A287}	L _{B5}
3168	L _{A288}	L _{B5}
3169	L _{A289}	L _{B5}
3170	L _{A290}	L _{B5}
3171	L _{A291}	L _{B5}
3172	L _{A292}	L _{B5}
3173	L _{A293}	L _{B5}
3174	L _{A294}	L _{B5}
3175	L _{A295}	L _{B5}
3176	L _{A296}	L _{B5}
3177	L _{A297}	L _{B5}
3178	L _{A298}	L _{B5}
3179	L _{A299}	L _{B5}
3180	L _{A300}	L _{B5}
3181	L _{A301}	L _{B5}
3182	L _{A302}	L _{B5}
3183	L _{A303}	L _{B5}
3184	L _{A304}	L _{B5}
3185	L _{A305}	L _{B5}
3186	L _{A306}	L _{B5}
3187	L _{A307}	L _{B5}
3188	L _{A308}	L _{B5}
3189	L _{A309}	L _{B5}
3190	L _{A310}	L _{B5}
3191	L _{A311}	L _{B5}
3192	L _{A312}	L _{B5}
3193	L _{A313}	L _{B5}
3194	L _{A314}	L _{B5}
3195	L _{A315}	L _{B5}
3196	L _{A316}	L _{B5}
3197	L _{A317}	L _{B5}
3198	L _{A318}	L _{B5}
3199	L _{A319}	L _{B5}
3200	L _{A320}	L _{B5}
3201	L _{A321}	L _{B5}
3202	L _{A322}	L _{B5}
3203	L _{A323}	L _{B5}
3204	L _{A324}	L _{B5}

TABLE 2-continued

Compound Number	L _A	L _B
3205	L _{A325}	L _{B5}
3206	L _{A326}	L _{B5}
3207	L _{A327}	L _{B5}
3208	L _{A328}	L _{B5}
3209	L _{A329}	L _{B5}
3210	L _{A330}	L _{B5}
3211	L _{A331}	L _{B5}
3212	L _{A332}	L _{B5}
3213	L _{A333}	L _{B5}
3214	L _{A334}	L _{B5}
3215	L _{A335}	L _{B5}
3216	L _{A336}	L _{B5}
3217	L _{A337}	L _{B5}
3218	L _{A338}	L _{B5}
3219	L _{A339}	L _{B5}
3220	L _{A340}	L _{B5}
3221	L _{A341}	L _{B5}
3222	L _{A342}	L _{B5}
3223	L _{A343}	L _{B5}
3224	L _{A344}	L _{B5}
3225	L _{A345}	L _{B5}
3226	L _{A346}	L _{B5}
3227	L _{A347}	L _{B5}
3228	L _{A348}	L _{B5}
3229	L _{A349}	L _{B5}
3230	L _{A350}	L _{B5}
3231	L _{A351}	L _{B5}
3232	L _{A352}	L _{B5}
3233	L _{A353}	L _{B5}
3234	L _{A354}	L _{B5}
3235	L _{A355}	L _{B5}
3236	L _{A356}	L _{B5}
3237	L _{A357}	L _{B5}
3238	L _{A358}	L _{B5}
3239	L _{A359}	L _{B5}
3240	L _{A360}	L _{B5}
3241	L _{A361}	L _{B5}
3242	L _{A362}	L _{B5}
3243	L _{A363}	L _{B5}
3244	L _{A364}	L _{B5}
3245	L _{A365}	L _{B5}
3246	L _{A366}	L _{B5}
3247	L _{A367}	L _{B5}
3248	L _{A368}	L _{B5}
3249	L _{A369}	L _{B5}
3250	L _{A370}	L _{B5}
3251	L _{A371}	L _{B5}
3252	L _{A372}	L _{B5}
3253	L _{A373}	L _{B5}
3254	L _{A374}	L _{B5}
3255	L _{A375}	L _{B5}
3256	L _{A376}	L _{B5}
3257	L _{A377}	L _{B5}
3258	L _{A378}	L _{B5}
3259	L _{A379}	L _{B5}
3260	L _{A380}	L _{B5}
3261	L _{A381}	L _{B5}
3262	L _{A382}	L _{B5}
3263	L _{A383}	L _{B5}
3264	L _{A384}	L _{B5}
3265	L _{A385}	L _{B5}
3266	L _{A386}	L _{B5}
3267	L _{A387}	L _{B5}
3268	L _{A388}	L _{B5}
3269	L _{A389}	L _{B5}
3270	L _{A390}	L _{B5}
3271	L _{A391}	L _{B5}
3272	L _{A392}	L _{B5}
3273	L _{A393}	L _{B5}
3274	L _{A394}	L _{B5}
3275	L _{A395}	L _{B5}
3276	L _{A396}	L _{B5}
3277	L _{A397}	L _{B5}
3278	L _{A398}	L _{B5}

TABLE 2-continued

Compound Number	L _A	L _B
3279	L ₄₃₉₉	L _{B5}
3280	L ₄₄₀₀	L _{B5}
3281	L ₄₄₀₁	L _{B5}
3282	L ₄₄₀₂	L _{B5}
3283	L ₄₄₀₃	L _{B5}
3284	L ₄₄₀₄	L _{B5}
3285	L ₄₄₀₅	L _{B5}
3286	L ₄₄₀₆	L _{B5}
3287	L ₄₄₀₇	L _{B5}
3288	L ₄₄₀₈	L _{B5}
3289	L ₄₄₀₉	L _{B5}
3290	L ₄₄₁₀	L _{B5}
3291	L ₄₄₁₁	L _{B5}
3292	L ₄₄₁₂	L _{B5}
3293	L ₄₄₁₃	L _{B5}
3294	L ₄₄₁₄	L _{B5}
3295	L ₄₄₁₅	L _{B5}
3296	L ₄₄₁₆	L _{B5}
3297	L ₄₄₁₇	L _{B5}
3298	L ₄₄₁₈	L _{B5}
3299	L ₄₄₁₉	L _{B5}
3300	L ₄₄₂₀	L _{B5}
3301	L ₄₄₂₁	L _{B5}
3302	L ₄₄₂₂	L _{B5}
3303	L ₄₄₂₃	L _{B5}
3304	L ₄₄₂₄	L _{B5}
3305	L ₄₄₂₅	L _{B5}
3306	L ₄₄₂₆	L _{B5}
3307	L ₄₄₂₇	L _{B5}
3308	L ₄₄₂₈	L _{B5}
3309	L ₄₄₂₉	L _{B5}
3310	L ₄₄₃₀	L _{B5}
3311	L ₄₄₃₁	L _{B5}
3312	L ₄₄₃₂	L _{B5}
3313	L ₄₄₃₃	L _{B5}
3314	L ₄₄₃₄	L _{B5}
3315	L ₄₄₃₅	L _{B5}
3316	L ₄₄₃₆	L _{B5}
3317	L ₄₄₃₇	L _{B5}
3318	L ₄₄₃₈	L _{B5}
3319	L ₄₄₃₉	L _{B5}
3320	L ₄₄₄₀	L _{B5}
3321	L ₄₄₄₁	L _{B5}
3322	L ₄₄₄₂	L _{B5}
3323	L ₄₄₄₃	L _{B5}
3324	L ₄₄₄₄	L _{B5}
3325	L ₄₄₄₅	L _{B5}
3326	L ₄₄₄₆	L _{B5}
3327	L ₄₄₄₇	L _{B5}
3328	L ₄₄₄₈	L _{B5}
3329	L ₄₄₄₉	L _{B5}
3330	L ₄₄₅₀	L _{B5}
3331	L ₄₄₅₁	L _{B5}
3332	L ₄₄₅₂	L _{B5}
3333	L ₄₄₅₃	L _{B5}
3334	L ₄₄₅₄	L _{B5}
3335	L ₄₄₅₅	L _{B5}
3336	L ₄₄₅₆	L _{B5}
3337	L ₄₄₅₇	L _{B5}
3338	L ₄₄₅₈	L _{B5}
3339	L ₄₄₅₉	L _{B5}
3340	L ₄₄₆₀	L _{B5}
3341	L ₄₄₆₁	L _{B5}
3342	L ₄₄₆₂	L _{B5}
3343	L ₄₄₆₃	L _{B5}
3344	L ₄₄₆₄	L _{B5}
3345	L ₄₄₆₅	L _{B5}
3346	L ₄₄₆₆	L _{B5}
3347	L ₄₄₆₇	L _{B5}
3348	L ₄₄₆₈	L _{B5}
3349	L ₄₄₆₉	L _{B5}
3350	L ₄₄₇₀	L _{B5}
3351	L ₄₄₇₁	L _{B5}
3352	L ₄₄₇₂	L _{B5}

TABLE 2-continued

Compound Number	L _A	L _B
3353	L ₄₄₇₃	L _{B5}
3354	L ₄₄₇₄	L _{B5}
3355	L ₄₄₇₅	L _{B5}
3356	L ₄₄₇₆	L _{B5}
3357	L ₄₄₇₇	L _{B5}
3358	L ₄₄₇₈	L _{B5}
3359	L ₄₄₇₉	L _{B5}
3360	L ₄₄₈₀	L _{B5}
3361	L ₄₄₈₁	L _{B5}
3362	L ₄₄₈₂	L _{B5}
3363	L ₄₄₈₃	L _{B5}
3364	L ₄₄₈₄	L _{B5}
3365	L ₄₄₈₅	L _{B5}
3366	L ₄₄₈₆	L _{B5}
3367	L ₄₄₈₇	L _{B5}
3368	L ₄₄₈₈	L _{B5}
3369	L ₄₄₈₉	L _{B5}
3370	L ₄₄₉₀	L _{B5}
3371	L ₄₄₉₁	L _{B5}
3372	L ₄₄₉₂	L _{B5}
3373	L ₄₄₉₃	L _{B5}
3374	L ₄₄₉₄	L _{B5}
3375	L ₄₄₉₅	L _{B5}
3376	L ₄₄₉₆	L _{B5}
3377	L ₄₄₉₇	L _{B5}
3378	L ₄₄₉₈	L _{B5}
3379	L ₄₄₉₉	L _{B5}
3380	L ₄₅₀₀	L _{B5}
3381	L ₄₅₀₁	L _{B5}
3382	L ₄₅₀₂	L _{B5}
3383	L ₄₅₀₃	L _{B5}
3384	L ₄₅₀₄	L _{B5}
3385	L ₄₅₀₅	L _{B5}
3386	L ₄₅₀₆	L _{B5}
3387	L ₄₅₀₇	L _{B5}
3388	L ₄₅₀₈	L _{B5}
3389	L ₄₅₀₉	L _{B5}
3390	L ₄₅₁₀	L _{B5}
3391	L ₄₅₁₁	L _{B5}
3392	L ₄₅₁₂	L _{B5}
3393	L ₄₅₁₃	L _{B5}
3394	L ₄₅₁₄	L _{B5}
3395	L ₄₅₁₅	L _{B5}
3396	L ₄₅₁₆	L _{B5}
3397	L ₄₅₁₇	L _{B5}
3398	L ₄₅₁₈	L _{B5}
3399	L ₄₅₁₉	L _{B5}
3400	L ₄₅₂₀	L _{B5}
3401	L ₄₅₂₁	L _{B5}
3402	L ₄₅₂₂	L _{B5}
3403	L ₄₅₂₃	L _{B5}
3404	L ₄₅₂₄	L _{B5}
3405	L ₄₅₂₅	L _{B5}
3406	L ₄₅₂₆	L _{B5}
3407	L ₄₅₂₇	L _{B5}
3408	L ₄₅₂₈	L _{B5}
3409	L ₄₅₂₉	L _{B5}
3410	L ₄₅₃₀	L _{B5}
3411	L ₄₅₃₁	L _{B5}
3412	L ₄₅₃₂	L _{B5}
3413	L ₄₅₃₃	L _{B5}
3414	L ₄₅₃₄	L _{B5}
3415	L ₄₅₃₅	L _{B5}
3416	L ₄₅₃₆	L _{B5}
3417	L ₄₅₃₇	L _{B5}
3418	L ₄₅₃₈	L _{B5}
3419	L ₄₅₃₉	L _{B5}
3420	L ₄₅₄₀	L _{B5}
3421	L ₄₅₄₁	L _{B5}
3422	L ₄₅₄₂	L _{B5}
3423	L ₄₅₄₃	L _{B5}
3424	L ₄₅₄₄	L _{B5}
3425	L ₄₅₄₅	L _{B5}
3426	L ₄₅₄₆	L _{B5}

TABLE 2-continued

Compound Number	L _A	L _B
3427	L ₄₅₄₇	L _{B5}
3428	L ₄₅₄₈	L _{B5}
3429	L ₄₅₄₉	L _{B5}
3430	L ₄₅₅₀	L _{B5}
3431	L ₄₅₅₁	L _{B5}
3432	L ₄₅₅₂	L _{B5}
3433	L ₄₅₅₃	L _{B5}
3434	L ₄₅₅₄	L _{B5}
3435	L ₄₅₅₅	L _{B5}
3436	L ₄₅₅₆	L _{B5}
3437	L ₄₅₅₇	L _{B5}
3438	L ₄₅₅₈	L _{B5}
3439	L ₄₅₅₉	L _{B5}
3440	L ₄₅₆₀	L _{B5}
3441	L ₄₅₆₁	L _{B5}
3442	L ₄₅₆₂	L _{B5}
3443	L ₄₅₆₃	L _{B5}
3444	L ₄₅₆₄	L _{B5}
3445	L ₄₅₆₅	L _{B5}
3446	L ₄₅₆₆	L _{B5}
3447	L ₄₅₆₇	L _{B5}
3448	L ₄₅₆₈	L _{B5}
3449	L ₄₅₆₉	L _{B5}
3450	L ₄₅₇₀	L _{B5}
3451	L ₄₅₇₁	L _{B5}
3452	L ₄₅₇₂	L _{B5}
3453	L ₄₅₇₃	L _{B5}
3454	L ₄₅₇₄	L _{B5}
3455	L ₄₅₇₅	L _{B5}
3456	L ₄₅₇₆	L _{B5}
3457	L ₄₅₇₇	L _{B5}
3458	L ₄₅₇₈	L _{B5}
3459	L ₄₅₇₉	L _{B5}
3460	L ₄₅₈₀	L _{B5}
3461	L ₄₅₈₁	L _{B5}
3462	L ₄₅₈₂	L _{B5}
3463	L ₄₅₈₃	L _{B5}
3464	L ₄₅₈₄	L _{B5}
3465	L ₄₅₈₅	L _{B5}
3466	L ₄₅₈₆	L _{B5}
3467	L ₄₅₈₇	L _{B5}
3468	L ₄₅₈₈	L _{B5}
3469	L ₄₅₈₉	L _{B5}
3470	L ₄₅₉₀	L _{B5}
3471	L ₄₅₉₁	L _{B5}
3472	L ₄₅₉₂	L _{B5}
3473	L ₄₅₉₃	L _{B5}
3474	L ₄₅₉₄	L _{B5}
3475	L ₄₅₉₅	L _{B5}
3476	L ₄₅₉₆	L _{B5}
3477	L ₄₅₉₇	L _{B5}
3478	L ₄₅₉₈	L _{B5}
3479	L ₄₅₉₉	L _{B5}
3480	L ₄₆₀₀	L _{B5}
3481	L ₄₆₀₁	L _{B5}
3482	L ₄₆₀₂	L _{B5}
3483	L ₄₆₀₃	L _{B5}
3484	L ₄₆₀₄	L _{B5}
3485	L ₄₆₀₅	L _{B5}
3486	L ₄₆₀₆	L _{B5}
3487	L ₄₆₀₇	L _{B5}
3488	L ₄₆₀₈	L _{B5}
3489	L ₄₆₀₉	L _{B5}
3490	L ₄₆₁₀	L _{B5}
3491	L ₄₆₁₁	L _{B5}
3492	L ₄₆₁₂	L _{B5}
3493	L ₄₆₁₃	L _{B5}
3494	L ₄₆₁₄	L _{B5}
3495	L ₄₆₁₅	L _{B5}
3496	L ₄₆₁₆	L _{B5}
3497	L ₄₆₁₇	L _{B5}
3498	L ₄₆₁₈	L _{B5}
3499	L ₄₆₁₉	L _{B5}
3500	L ₄₆₂₀	L _{B5}

TABLE 2-continued

Compound Number	L _A	L _B
3501	L ₄₆₂₁	L _{B5}
3502	L ₄₆₂₂	L _{B5}
3503	L ₄₆₂₃	L _{B5}
3504	L ₄₆₂₄	L _{B5}
3505	L ₄₆₂₅	L _{B5}
3506	L ₄₆₂₆	L _{B5}
3507	L ₄₆₂₇	L _{B5}
3508	L ₄₆₂₈	L _{B5}
3509	L ₄₆₂₉	L _{B5}
3510	L ₄₆₃₀	L _{B5}
3511	L ₄₆₃₁	L _{B5}
3512	L ₄₆₃₂	L _{B5}
3513	L ₄₆₃₃	L _{B5}
3514	L ₄₆₃₄	L _{B5}
3515	L ₄₆₃₅	L _{B5}
3516	L ₄₆₃₆	L _{B5}
3517	L ₄₆₃₇	L _{B5}
3518	L ₄₆₃₈	L _{B5}
3519	L ₄₆₃₉	L _{B5}
3520	L ₄₆₄₀	L _{B5}
3521	L ₄₆₄₁	L _{B5}
3522	L ₄₆₄₂	L _{B5}
3523	L ₄₆₄₃	L _{B5}
3524	L ₄₆₄₄	L _{B5}
3525	L ₄₆₄₅	L _{B5}
3526	L ₄₆₄₆	L _{B5}
3527	L ₄₆₄₇	L _{B5}
3528	L ₄₆₄₈	L _{B5}
3529	L ₄₆₄₉	L _{B5}
3530	L ₄₆₅₀	L _{B5}
3531	L ₄₆₅₁	L _{B5}
3532	L ₄₆₅₂	L _{B5}
3533	L ₄₆₅₃	L _{B5}
3534	L ₄₆₅₄	L _{B5}
3535	L ₄₆₅₅	L _{B5}
3536	L ₄₆₅₆	L _{B5}
3537	L ₄₆₅₇	L _{B5}
3538	L ₄₆₅₈	L _{B5}
3539	L ₄₆₅₉	L _{B5}
3540	L ₄₆₆₀	L _{B5}
3541	L ₄₆₆₁	L _{B5}
3542	L ₄₆₆₂	L _{B5}
3543	L ₄₆₆₃	L _{B5}
3544	L ₄₆₆₄	L _{B5}
3545	L ₄₆₆₅	L _{B5}
3546	L ₄₆₆₆	L _{B5}
3547	L ₄₆₆₇	L _{B5}
3548	L ₄₆₆₈	L _{B5}
3549	L ₄₆₆₉	L _{B5}
3550	L ₄₆₇₀	L _{B5}
3551	L ₄₆₇₁	L _{B5}
3552	L ₄₆₇₂	L _{B5}
3553	L ₄₆₇₃	L _{B5}
3554	L ₄₆₇₄	L _{B5}
3555	L ₄₆₇₅	L _{B5}
3556	L ₄₆₇₆	L _{B5}
3557	L ₄₆₇₇	L _{B5}
3558	L ₄₆₇₈	L _{B5}
3559	L ₄₆₇₉	L _{B5}
3560	L ₄₆₈₀	L _{B5}
3561	L ₄₆₈₁	L _{B5}
3562	L ₄₆₈₂	L _{B5}
3563	L ₄₆₈₃	L _{B5}
3564	L ₄₆₈₄	L _{B5}
3565	L ₄₆₈₅	L _{B5}
3566	L ₄₆₈₆	L _{B5}
3567	L ₄₆₈₇	L _{B5}
3568	L ₄₆₈₈	L _{B5}
3569	L ₄₆₈₉	L _{B5}
3570	L ₄₆₉₀	L _{B5}
3571	L ₄₆₉₁	L _{B5}
3572	L ₄₆₉₂	L _{B5}
3573	L ₄₆₉₃	L _{B5}
3574	L ₄₆₉₄	L _{B5}

TABLE 2-continued

Compound Number	L _A	L _B
3575	L _{A695}	L _{B5}
3576	L _{A696}	L _{B5}
3577	L _{A697}	L _{B5}
3578	L _{A698}	L _{B5}
3579	L _{A699}	L _{B5}
3580	L _{A700}	L _{B5}
3581	L _{A701}	L _{B5}
3582	L _{A702}	L _{B5}
3583	L _{A703}	L _{B5}
3584	L _{A704}	L _{B5}
3585	L _{A705}	L _{B5}
3586	L _{A706}	L _{B5}
3587	L _{A707}	L _{B5}
3588	L _{A708}	L _{B5}
3589	L _{A709}	L _{B5}
3590	L _{A710}	L _{B5}
3591	L _{A711}	L _{B5}
3592	L _{A712}	L _{B5}
3593	L _{A713}	L _{B5}
3594	L _{A714}	L _{B5}
3595	L _{A715}	L _{B5}
3596	L _{A716}	L _{B5}
3597	L _{A717}	L _{B5}
3598	L _{A718}	L _{B5}
3599	L _{A719}	L _{B5}
3600	L _{A720}	L _{B5}
3601	L _{A721}	L _{B5}
3602	L _{A722}	L _{B5}
3603	L _{A723}	L _{B5}
3604	L _{A724}	L _{B5}
3605	L _{A725}	L _{B5}
3606	L _{A726}	L _{B5}
3607	L _{A727}	L _{B5}
3608	L _{A728}	L _{B5}
3609	L _{A729}	L _{B5}
3610	L _{A730}	L _{B5}
3611	L _{A731}	L _{B5}
3612	L _{A732}	L _{B5}
3613	L _{A733}	L _{B5}
3614	L _{A734}	L _{B5}
3615	L _{A735}	L _{B5}
3616	L _{A736}	L _{B5}
3617	L _{A737}	L _{B5}
3618	L _{A738}	L _{B5}
3619	L _{A739}	L _{B5}
3620	L _{A740}	L _{B5}
3621	L _{A741}	L _{B5}
3622	L _{A742}	L _{B5}
3623	L _{A743}	L _{B5}
3624	L _{A744}	L _{B5}
3625	L _{A745}	L _{B5}
3626	L _{A746}	L _{B5}
3627	L _{A747}	L _{B5}
3628	L _{A748}	L _{B5}
3629	L _{A749}	L _{B5}
3630	L _{A750}	L _{B5}
3631	L _{A751}	L _{B5}
3632	L _{A752}	L _{B5}
3633	L _{A753}	L _{B5}
3634	L _{A754}	L _{B5}
3635	L _{A755}	L _{B5}
3636	L _{A756}	L _{B5}
3637	L _{A757}	L _{B5}
3638	L _{A758}	L _{B5}
3639	L _{A759}	L _{B5}
3640	L _{A760}	L _{B5}
3641	L _{A761}	L _{B5}
3642	L _{A762}	L _{B5}
3643	L _{A763}	L _{B5}
3644	L _{A764}	L _{B5}
3645	L _{A765}	L _{B5}
3646	L _{A766}	L _{B5}
3647	L _{A767}	L _{B5}
3648	L _{A768}	L _{B5}

TABLE 2-continued

Compound Number	L _A	L _B
3649	L _{A769}	L _{B5}
3650	L _{A770}	L _{B5}
3651	L _{A771}	L _{B5}
3652	L _{A772}	L _{B5}
3653	L _{A773}	L _{B5}
3654	L _{A774}	L _{B5}
3655	L _{A775}	L _{B5}
3656	L _{A776}	L _{B5}
3657	L _{A777}	L _{B5}
3658	L _{A778}	L _{B5}
3659	L _{A779}	L _{B5}
3660	L _{A780}	L _{B5}
3661	L _{A781}	L _{B5}
3662	L _{A782}	L _{B5}
3663	L _{A783}	L _{B5}
3664	L _{A784}	L _{B5}
3665	L _{A785}	L _{B5}
3666	L _{A786}	L _{B5}
3667	L _{A787}	L _{B5}
3668	L _{A788}	L _{B5}
3669	L _{A789}	L _{B5}
3670	L _{A790}	L _{B5}
3671	L _{A791}	L _{B5}
3672	L _{A792}	L _{B5}
3673	L _{A793}	L _{B5}
3674	L _{A794}	L _{B5}
3675	L _{A795}	L _{B5}
3676	L _{A796}	L _{B5}
3677	L _{A797}	L _{B5}
3678	L _{A798}	L _{B5}
3679	L _{A799}	L _{B5}
3680	L _{A800}	L _{B5}
3681	L _{A801}	L _{B5}
3682	L _{A802}	L _{B5}
3683	L _{A803}	L _{B5}
3684	L _{A804}	L _{B5}
3685	L _{A805}	L _{B5}
3686	L _{A806}	L _{B5}
3687	L _{A807}	L _{B5}
3688	L _{A808}	L _{B5}
3689	L _{A809}	L _{B5}
3690	L _{A810}	L _{B5}
3691	L _{A811}	L _{B5}
3692	L _{A812}	L _{B5}
3693	L _{A813}	L _{B5}
3694	L _{A814}	L _{B5}
3695	L _{A815}	L _{B5}
3696	L _{A816}	L _{B5}
3697	L _{A817}	L _{B5}
3698	L _{A818}	L _{B5}
3699	L _{A819}	L _{B5}
3700	L _{A820}	L _{B5}
3701	L _{A821}	L _{B5}
3702	L _{A822}	L _{B5}
3703	L _{A823}	L _{B5}
3704	L _{A824}	L _{B5}
3705	L _{A825}	L _{B5}
3706	L _{A826}	L _{B5}
3707	L _{A827}	L _{B5}
3708	L _{A828}	L _{B5}
3709	L _{A829}	L _{B5}
3710	L _{A830}	L _{B5}
3711	L _{A831}	L _{B5}
3712	L _{A832}	L _{B5}
3713	L _{A833}	L _{B5}
3714	L _{A834}	L _{B5}
3715	L _{A835}	L _{B5}
3716	L _{A836}	L _{B5}
3717	L _{A837}	L _{B5}
3718	L _{A838}	L _{B5}
3719	L _{A839}	L _{B5}
3720	L _{A840}	L _{B5}
3721	L _{A841}	L _{B5}
3722	L _{A842}	L _{B5}

TABLE 2-continued

Compound Number	L _A	L _B
3723	L _{A843}	L _{B5}
3724	L _{A844}	L _{B5}
3725	L _{A845}	L _{B5}
3726	L _{A846}	L _{B5}
3727	L _{A847}	L _{B5}
3728	L _{A848}	L _{B5}
3729	L _{A849}	L _{B5}
3730	L _{A850}	L _{B5}
3731	L _{A851}	L _{B5}
3732	L _{A852}	L _{B5}
3733	L _{A853}	L _{B5}
3734	L _{A854}	L _{B5}
3735	L _{A855}	L _{B5}
3736	L _{A856}	L _{B5}
3737	L _{A857}	L _{B5}
3738	L _{A858}	L _{B5}
3739	L _{A859}	L _{B5}
3740	L _{A860}	L _{B5}
3741	L _{A861}	L _{B5}
3742	L _{A862}	L _{B5}
3743	L _{A863}	L _{B5}
3744	L _{A864}	L _{B5}
3745	L _{A865}	L _{B5}
3746	L _{A866}	L _{B5}
3747	L _{A867}	L _{B5}
3748	L _{A868}	L _{B5}
3749	L _{A869}	L _{B5}
3750	L _{A870}	L _{B5}
3751	L _{A871}	L _{B5}
3752	L _{A872}	L _{B5}
3753	L _{A873}	L _{B5}
3754	L _{A874}	L _{B5}
3755	L _{A875}	L _{B5}
3756	L _{A876}	L _{B5}
3757	L _{A877}	L _{B5}
3758	L _{A878}	L _{B5}
3759	L _{A879}	L _{B5}
3760	L _{A880}	L _{B5}
3761	L _{A881}	L _{B5}
3762	L _{A882}	L _{B5}
3763	L _{A883}	L _{B5}
3764	L _{A884}	L _{B5}
3765	L _{A885}	L _{B5}
3766	L _{A886}	L _{B5}
3767	L _{A887}	L _{B5}
3768	L _{A888}	L _{B5}
3769	L _{A889}	L _{B5}
3770	L _{A890}	L _{B5}
3771	L _{A891}	L _{B5}
3772	L _{A892}	L _{B5}
3773	L _{A893}	L _{B5}
3774	L _{A894}	L _{B5}
3775	L _{A895}	L _{B5}
3776	L _{A896}	L _{B5}
3777	L _{A897}	L _{B5}
3778	L _{A898}	L _{B5}
3779	L _{A899}	L _{B5}
3780	L _{A900}	L _{B5}
3781	L _{A901}	L _{B5}
3782	L _{A902}	L _{B5}
3783	L _{A903}	L _{B5}
3784	L _{A904}	L _{B5}
3785	L _{A905}	L _{B5}
3786	L _{A906}	L _{B5}
3787	L _{A907}	L _{B5}
3788	L _{A908}	L _{B5}
3789	L _{A909}	L _{B5}
3790	L _{A910}	L _{B5}
3791	L _{A911}	L _{B5}
3792	L _{A912}	L _{B5}
3793	L _{A913}	L _{B5}
3794	L _{A914}	L _{B5}
3795	L _{A915}	L _{B5}
3796	L _{A916}	L _{B5}

TABLE 2-continued

Compound Number	L _A	L _B
3797	L _{A917}	L _{B5}
3798	L _{A918}	L _{B5}
3799	L _{A919}	L _{B5}
3800	L _{A920}	L _{B5}
3801	L _{A921}	L _{B5}
3802	L _{A922}	L _{B5}
3803	L _{A923}	L _{B5}
3804	L _{A924}	L _{B5}
3805	L _{A925}	L _{B5}
3806	L _{A926}	L _{B5}
3807	L _{A927}	L _{B5}
3808	L _{A928}	L _{B5}
3809	L _{A929}	L _{B5}
3810	L _{A930}	L _{B5}
3811	L _{A931}	L _{B5}
3812	L _{A932}	L _{B5}
3813	L _{A933}	L _{B5}
3814	L _{A934}	L _{B5}
3815	L _{A935}	L _{B5}
3816	L _{A936}	L _{B5}
3817	L _{A937}	L _{B5}
3818	L _{A938}	L _{B5}
3819	L _{A939}	L _{B5}
3820	L _{A940}	L _{B5}
3821	L _{A941}	L _{B5}
3822	L _{A942}	L _{B5}
3823	L _{A943}	L _{B5}
3824	L _{A944}	L _{B5}
3825	L _{A945}	L _{B5}
3826	L _{A946}	L _{B5}
3827	L _{A947}	L _{B5}
3828	L _{A948}	L _{B5}
3829	L _{A949}	L _{B5}
3830	L _{A950}	L _{B5}
3831	L _{A951}	L _{B5}
3832	L _{A952}	L _{B5}
3833	L _{A953}	L _{B5}
3834	L _{A954}	L _{B5}
3835	L _{A955}	L _{B5}
3836	L _{A956}	L _{B5}
3837	L _{A957}	L _{B5}
3838	L _{A958}	L _{B5}
3839	L _{A959}	L _{B5}
3840	L _{A960}	L _{B5}
3841	L _{A41}	L _{B10}
3842	L _{A42}	L _{B10}
3843	L _{A43}	L _{B10}
3844	L _{A44}	L _{B10}
3845	L _{A45}	L _{B10}
3846	L _{A46}	L _{B10}
3847	L _{A47}	L _{B10}
3848	L _{A48}	L _{B10}
3849	L _{A49}	L _{B10}
3850	L _{A410}	L _{B10}
3851	L _{A411}	L _{B10}
3852	L _{A412}	L _{B10}
3853	L _{A413}	L _{B10}
3854	L _{A414}	L _{B10}
3855	L _{A415}	L _{B10}
3856	L _{A416}	L _{B10}
3857	L _{A417}	L _{B10}
3858	L _{A418}	L _{B10}
3859	L _{A419}	L _{B10}
3860	L _{A420}	L _{B10}
3861	L _{A421}	L _{B10}
3862	L _{A422}	L _{B10}
3863	L _{A423}	L _{B10}
3864	L _{A424}	L _{B10}
3865	L _{A425}	L _{B10}
3866	L _{A426}	L _{B10}
3867	L _{A427}	L _{B10}
3868	L _{A428}	L _{B10}
3869	L _{A429}	L _{B10}
3870	L _{A430}	L _{B10}

TABLE 2-continued

Compound Number	L _A	L _B
3871	L _{A31}	L _{B10}
3872	L _{A32}	L _{B10}
3873	L _{A33}	L _{B10}
3874	L _{A34}	L _{B10}
3875	L _{A35}	L _{B10}
3876	L _{A36}	L _{B10}
3877	L _{A37}	L _{B10}
3878	L _{A38}	L _{B10}
3879	L _{A39}	L _{B10}
3880	L _{A40}	L _{B10}
3881	L _{A41}	L _{B10}
3882	L _{A42}	L _{B10}
3883	L _{A43}	L _{B10}
3884	L _{A44}	L _{B10}
3885	L _{A45}	L _{B10}
3886	L _{A46}	L _{B10}
3887	L _{A47}	L _{B10}
3888	L _{A48}	L _{B10}
3889	L _{A49}	L _{B10}
3890	L _{A50}	L _{B10}
3891	L _{A51}	L _{B10}
3892	L _{A52}	L _{B10}
3893	L _{A53}	L _{B10}
3894	L _{A54}	L _{B10}
3895	L _{A55}	L _{B10}
3896	L _{A56}	L _{B10}
3897	L _{A57}	L _{B10}
3898	L _{A58}	L _{B10}
3899	L _{A59}	L _{B10}
3900	L _{A60}	L _{B10}
3901	L _{A61}	L _{B10}
3902	L _{A62}	L _{B10}
3903	L _{A63}	L _{B10}
3904	L _{A64}	L _{B10}
3905	L _{A65}	L _{B10}
3906	L _{A66}	L _{B10}
3907	L _{A67}	L _{B10}
3908	L _{A68}	L _{B10}
3909	L _{A69}	L _{B10}
3910	L _{A70}	L _{B10}
3911	L _{A71}	L _{B10}
3912	L _{A72}	L _{B10}
3913	L _{A73}	L _{B10}
3914	L _{A74}	L _{B10}
3915	L _{A75}	L _{B10}
3916	L _{A76}	L _{B10}
3917	L _{A77}	L _{B10}
3918	L _{A78}	L _{B10}
3919	L _{A79}	L _{B10}
3920	L _{A80}	L _{B10}
3921	L _{A81}	L _{B10}
3922	L _{A82}	L _{B10}
3923	L _{A83}	L _{B10}
3924	L _{A84}	L _{B10}
3925	L _{A85}	L _{B10}
3926	L _{A86}	L _{B10}
3927	L _{A87}	L _{B10}
3928	L _{A88}	L _{B10}
3929	L _{A89}	L _{B10}
3930	L _{A90}	L _{B10}
3931	L _{A91}	L _{B10}
3932	L _{A92}	L _{B10}
3933	L _{A93}	L _{B10}
3934	L _{A94}	L _{B10}
3935	L _{A95}	L _{B10}
3936	L _{A96}	L _{B10}
3937	L _{A97}	L _{B10}
3938	L _{A98}	L _{B10}
3939	L _{A99}	L _{B10}
3940	L _{A100}	L _{B10}
3941	L _{A101}	L _{B10}
3942	L _{A102}	L _{B10}
3943	L _{A103}	L _{B10}
3944	L _{A104}	L _{B10}

TABLE 2-continued

Compound Number	L _A	L _B
3945	L _{A105}	L _{B10}
3946	L _{A106}	L _{B10}
3947	L _{A107}	L _{B10}
3948	L _{A108}	L _{B10}
3949	L _{A109}	L _{B10}
3950	L _{A110}	L _{B10}
3951	L _{A111}	L _{B10}
3952	L _{A112}	L _{B10}
3953	L _{A113}	L _{B10}
3954	L _{A114}	L _{B10}
3955	L _{A115}	L _{B10}
3956	L _{A116}	L _{B10}
3957	L _{A117}	L _{B10}
3958	L _{A118}	L _{B10}
3959	L _{A119}	L _{B10}
3960	L _{A120}	L _{B10}
3961	L _{A121}	L _{B10}
3962	L _{A122}	L _{B10}
3963	L _{A123}	L _{B10}
3964	L _{A124}	L _{B10}
3965	L _{A125}	L _{B10}
3966	L _{A126}	L _{B10}
3967	L _{A127}	L _{B10}
3968	L _{A128}	L _{B10}
3969	L _{A129}	L _{B10}
3970	L _{A130}	L _{B10}
3971	L _{A131}	L _{B10}
3972	L _{A132}	L _{B10}
3973	L _{A133}	L _{B10}
3974	L _{A134}	L _{B10}
3975	L _{A135}	L _{B10}
3976	L _{A136}	L _{B10}
3977	L _{A137}	L _{B10}
3978	L _{A138}	L _{B10}
3979	L _{A139}	L _{B10}
3980	L _{A140}	L _{B10}
3981	L _{A141}	L _{B10}
3982	L _{A142}	L _{B10}
3983	L _{A143}	L _{B10}
3984	L _{A144}	L _{B10}
3985	L _{A145}	L _{B10}
3986	L _{A146}	L _{B10}
3987	L _{A147}	L _{B10}
3988	L _{A148}	L _{B10}
3989	L _{A149}	L _{B10}
3990	L _{A150}	L _{B10}
3991	L _{A151}	L _{B10}
3992	L _{A152}	L _{B10}
3993	L _{A153}	L _{B10}
3994	L _{A154}	L _{B10}
3995	L _{A155}	L _{B10}
3996	L _{A156}	L _{B10}
3997	L _{A157}	L _{B10}
3998	L _{A158}	L _{B10}
3999	L _{A159}	L _{B10}
4000	L _{A160}	L _{B10}
4001	L _{A161}	L _{B10}
4002	L _{A162}	L _{B10}
4003	L _{A163}	L _{B10}
4004	L _{A164}	L _{B10}
4005	L _{A165}	L _{B10}
4006	L _{A166}	L _{B10}
4007	L _{A167}	L _{B10}
4008	L _{A168}	L _{B10}
4009	L _{A169}	L _{B10}
4010	L _{A170}	L _{B10}
4011	L _{A171}	L _{B10}
4012	L _{A172}	L _{B10}
4013	L _{A173}	L _{B10}
4014	L _{A174}	L _{B10}
4015	L _{A175}	L _{B10}
4016	L _{A176}	L _{B10}
4017	L _{A177}	L _{B10}
4018	L _{A178}	L _{B10}

TABLE 2-continued

Compound Number	L _A	L _B
4019	L _{A179}	L _{B10}
4020	L _{A180}	L _{B10}
4021	L _{A181}	L _{B10}
4022	L _{A182}	L _{B10}
4023	L _{A183}	L _{B10}
4024	L _{A184}	L _{B10}
4025	L _{A185}	L _{B10}
4026	L _{A186}	L _{B10}
4027	L _{A187}	L _{B10}
4028	L _{A188}	L _{B10}
4029	L _{A189}	L _{B10}
4030	L _{A190}	L _{B10}
4031	L _{A191}	L _{B10}
4032	L _{A192}	L _{B10}
4033	L _{A193}	L _{B10}
4034	L _{A194}	L _{B10}
4035	L _{A195}	L _{B10}
4036	L _{A196}	L _{B10}
4037	L _{A197}	L _{B10}
4038	L _{A198}	L _{B10}
4039	L _{A199}	L _{B10}
4040	L _{A200}	L _{B10}
4041	L _{A201}	L _{B10}
4042	L _{A202}	L _{B10}
4043	L _{A203}	L _{B10}
4044	L _{A204}	L _{B10}
4045	L _{A205}	L _{B10}
4046	L _{A206}	L _{B10}
4047	L _{A207}	L _{B10}
4048	L _{A208}	L _{B10}
4049	L _{A209}	L _{B10}
4050	L _{A210}	L _{B10}
4051	L _{A211}	L _{B10}
4052	L _{A212}	L _{B10}
4053	L _{A213}	L _{B10}
4054	L _{A214}	L _{B10}
4055	L _{A215}	L _{B10}
4056	L _{A216}	L _{B10}
4057	L _{A217}	L _{B10}
4058	L _{A218}	L _{B10}
4059	L _{A219}	L _{B10}
4060	L _{A220}	L _{B10}
4061	L _{A221}	L _{B10}
4062	L _{A222}	L _{B10}
4063	L _{A223}	L _{B10}
4064	L _{A224}	L _{B10}
4065	L _{A225}	L _{B10}
4066	L _{A226}	L _{B10}
4067	L _{A227}	L _{B10}
4068	L _{A228}	L _{B10}
4069	L _{A229}	L _{B10}
4070	L _{A230}	L _{B10}
4071	L _{A231}	L _{B10}
4072	L _{A232}	L _{B10}
4073	L _{A233}	L _{B10}
4074	L _{A234}	L _{B10}
4075	L _{A235}	L _{B10}
4076	L _{A236}	L _{B10}
4077	L _{A237}	L _{B10}
4078	L _{A238}	L _{B10}
4079	L _{A239}	L _{B10}
4080	L _{A240}	L _{B10}
4081	L _{A241}	L _{B10}
4082	L _{A242}	L _{B10}
4083	L _{A243}	L _{B10}
4084	L _{A244}	L _{B10}
4085	L _{A245}	L _{B10}
4086	L _{A246}	L _{B10}
4087	L _{A247}	L _{B10}
4088	L _{A248}	L _{B10}
4089	L _{A249}	L _{B10}
4090	L _{A250}	L _{B10}
4091	L _{A251}	L _{B10}
4092	L _{A252}	L _{B10}

TABLE 2-continued

Compound Number	L _A	L _B
4093	L _{A253}	L _{B10}
4094	L _{A254}	L _{B10}
4095	L _{A255}	L _{B10}
4096	L _{A256}	L _{B10}
4097	L _{A257}	L _{B10}
4098	L _{A258}	L _{B10}
4099	L _{A259}	L _{B10}
4100	L _{A260}	L _{B10}
4101	L _{A261}	L _{B10}
4102	L _{A262}	L _{B10}
4103	L _{A263}	L _{B10}
4104	L _{A264}	L _{B10}
4105	L _{A265}	L _{B10}
4106	L _{A266}	L _{B10}
4107	L _{A267}	L _{B10}
4108	L _{A268}	L _{B10}
4109	L _{A269}	L _{B10}
4110	L _{A270}	L _{B10}
4111	L _{A271}	L _{B10}
4112	L _{A272}	L _{B10}
4113	L _{A273}	L _{B10}
4114	L _{A274}	L _{B10}
4115	L _{A275}	L _{B10}
4116	L _{A276}	L _{B10}
4117	L _{A277}	L _{B10}
4118	L _{A278}	L _{B10}
4119	L _{A279}	L _{B10}
4120	L _{A280}	L _{B10}
4121	L _{A281}	L _{B10}
4122	L _{A282}	L _{B10}
4123	L _{A283}	L _{B10}
4124	L _{A284}	L _{B10}
4125	L _{A285}	L _{B10}
4126	L _{A286}	L _{B10}
4127	L _{A287}	L _{B10}
4128	L _{A288}	L _{B10}
4129	L _{A289}	L _{B10}
4130	L _{A290}	L _{B10}
4131	L _{A291}	L _{B10}
4132	L _{A292}	L _{B10}
4133	L _{A293}	L _{B10}
4134	L _{A294}	L _{B10}
4135	L _{A295}	L _{B10}
4136	L _{A296}	L _{B10}
4137	L _{A297}	L _{B10}
4138	L _{A298}	L _{B10}
4139	L _{A299}	L _{B10}
4140	L _{A300}	L _{B10}
4141	L _{A301}	L _{B10}
4142	L _{A302}	L _{B10}
4143	L _{A303}	L _{B10}
4144	L _{A304}	L _{B10}
4145	L _{A305}	L _{B10}
4146	L _{A306}	L _{B10}
4147	L _{A307}	L _{B10}
4148	L _{A308}	L _{B10}
4149	L _{A309}	L _{B10}
4150	L _{A310}	L _{B10}
4151	L _{A311}	L _{B10}
4152	L _{A312}	L _{B10}
4153	L _{A313}	L _{B10}
4154	L _{A314}	L _{B10}
4155	L _{A315}	L _{B10}
4156	L _{A316}	L _{B10}
4157	L _{A317}	L _{B10}
4158	L _{A318}	L _{B10}
4159	L _{A319}	L _{B10}
4160	L _{A320}	L _{B10}
4161	L _{A321}	L _{B10}
4162	L _{A322}	L _{B10}
4163	L _{A323}	L _{B10}
4164	L _{A324}	L _{B10}
4165	L _{A325}	L _{B10}
4166	L _{A326}	L _{B10}

TABLE 2-continued

Compound Number	L _A	L _B
4167	L _{A327}	L _{B10}
4168	L _{A328}	L _{B10}
4169	L _{A329}	L _{B10}
4170	L _{A330}	L _{B10}
4171	L _{A331}	L _{B10}
4172	L _{A332}	L _{B10}
4173	L _{A333}	L _{B10}
4174	L _{A334}	L _{B10}
4175	L _{A335}	L _{B10}
4176	L _{A336}	L _{B10}
4177	L _{A337}	L _{B10}
4178	L _{A338}	L _{B10}
4179	L _{A339}	L _{B10}
4180	L _{A340}	L _{B10}
4181	L _{A341}	L _{B10}
4182	L _{A342}	L _{B10}
4183	L _{A343}	L _{B10}
4184	L _{A344}	L _{B10}
4185	L _{A345}	L _{B10}
4186	L _{A346}	L _{B10}
4187	L _{A347}	L _{B10}
4188	L _{A348}	L _{B10}
4189	L _{A349}	L _{B10}
4190	L _{A350}	L _{B10}
4191	L _{A351}	L _{B10}
4192	L _{A352}	L _{B10}
4193	L _{A353}	L _{B10}
4194	L _{A354}	L _{B10}
4195	L _{A355}	L _{B10}
4196	L _{A356}	L _{B10}
4197	L _{A357}	L _{B10}
4198	L _{A358}	L _{B10}
4199	L _{A359}	L _{B10}
4200	L _{A360}	L _{B10}
4201	L _{A361}	L _{B10}
4202	L _{A362}	L _{B10}
4203	L _{A363}	L _{B10}
4204	L _{A364}	L _{B10}
4205	L _{A365}	L _{B10}
4206	L _{A366}	L _{B10}
4207	L _{A367}	L _{B10}
4208	L _{A368}	L _{B10}
4209	L _{A369}	L _{B10}
4210	L _{A370}	L _{B10}
4211	L _{A371}	L _{B10}
4212	L _{A372}	L _{B10}
4213	L _{A373}	L _{B10}
4214	L _{A374}	L _{B10}
4215	L _{A375}	L _{B10}
4216	L _{A376}	L _{B10}
4217	L _{A377}	L _{B10}
4218	L _{A378}	L _{B10}
4219	L _{A379}	L _{B10}
4220	L _{A380}	L _{B10}
4221	L _{A381}	L _{B10}
4222	L _{A382}	L _{B10}
4223	L _{A383}	L _{B10}
4224	L _{A384}	L _{B10}
4225	L _{A385}	L _{B10}
4226	L _{A386}	L _{B10}
4227	L _{A387}	L _{B10}
4228	L _{A388}	L _{B10}
4229	L _{A389}	L _{B10}
4230	L _{A390}	L _{B10}
4231	L _{A391}	L _{B10}
4232	L _{A392}	L _{B10}
4233	L _{A393}	L _{B10}
4234	L _{A394}	L _{B10}
4235	L _{A395}	L _{B10}
4236	L _{A396}	L _{B10}
4237	L _{A397}	L _{B10}
4238	L _{A398}	L _{B10}
4239	L _{A399}	L _{B10}
4240	L _{A400}	L _{B10}

TABLE 2-continued

Compound Number	L _A	L _B
4241	L _{A401}	L _{B10}
4242	L _{A402}	L _{B10}
4243	L _{A403}	L _{B10}
4244	L _{A404}	L _{B10}
4245	L _{A405}	L _{B10}
4246	L _{A406}	L _{B10}
4247	L _{A407}	L _{B10}
4248	L _{A408}	L _{B10}
4249	L _{A409}	L _{B10}
4250	L _{A410}	L _{B10}
4251	L _{A411}	L _{B10}
4252	L _{A412}	L _{B10}
4253	L _{A413}	L _{B10}
4254	L _{A414}	L _{B10}
4255	L _{A415}	L _{B10}
4256	L _{A416}	L _{B10}
4257	L _{A417}	L _{B10}
4258	L _{A418}	L _{B10}
4259	L _{A419}	L _{B10}
4260	L _{A420}	L _{B10}
4261	L _{A421}	L _{B10}
4262	L _{A422}	L _{B10}
4263	L _{A423}	L _{B10}
4264	L _{A424}	L _{B10}
4265	L _{A425}	L _{B10}
4266	L _{A426}	L _{B10}
4267	L _{A427}	L _{B10}
4268	L _{A428}	L _{B10}
4269	L _{A429}	L _{B10}
4270	L _{A430}	L _{B10}
4271	L _{A431}	L _{B10}
4272	L _{A432}	L _{B10}
4273	L _{A433}	L _{B10}
4274	L _{A434}	L _{B10}
4275	L _{A435}	L _{B10}
4276	L _{A436}	L _{B10}
4277	L _{A437}	L _{B10}
4278	L _{A438}	L _{B10}
4279	L _{A439}	L _{B10}
4280	L _{A440}	L _{B10}
4281	L _{A441}	L _{B10}
4282	L _{A442}	L _{B10}
4283	L _{A443}	L _{B10}
4284	L _{A444}	L _{B10}
4285	L _{A445}	L _{B10}
4286	L _{A446}	L _{B10}
4287	L _{A447}	L _{B10}
4288	L _{A448}	L _{B10}
4289	L _{A449}	L _{B10}
4290	L _{A450}	L _{B10}
4291	L _{A451}	L _{B10}
4292	L _{A452}	L _{B10}
4293	L _{A453}	L _{B10}
4294	L _{A454}	L _{B10}
4295	L _{A455}	L _{B10}
4296	L _{A456}	L _{B10}
4297	L _{A457}	L _{B10}
4298	L _{A458}	L _{B10}
4299	L _{A459}	L _{B10}
4300	L _{A460}	L _{B10}
4301	L _{A461}	L _{B10}
4302	L _{A462}	L _{B10}
4303	L _{A463}	L _{B10}
4304	L _{A464}	L _{B10}
4305	L _{A465}	L _{B10}
4306	L _{A466}	L _{B10}
4307	L _{A467}	L _{B10}
4308	L _{A468}	L _{B10}
4309	L _{A469}	L _{B10}
4310	L _{A470}	L _{B10}
4311	L _{A471}	L _{B10}
4312	L _{A472}	L _{B10}
4313	L _{A473}	L _{B10}
4314	L _{A474}	L _{B10}

TABLE 2-continued

Compound Number	L _A	L _B
4315	L ₄₄₇₅	L _{B10}
4316	L ₄₄₇₆	L _{B10}
4317	L ₄₄₇₇	L _{B10}
4318	L ₄₄₇₈	L _{B10}
4319	L ₄₄₇₉	L _{B10}
4320	L ₄₄₈₀	L _{B10}
4321	L ₄₄₈₁	L _{B10}
4322	L ₄₄₈₂	L _{B10}
4323	L ₄₄₈₃	L _{B10}
4324	L ₄₄₈₄	L _{B10}
4325	L ₄₄₈₅	L _{B10}
4326	L ₄₄₈₆	L _{B10}
4327	L ₄₄₈₇	L _{B10}
4328	L ₄₄₈₈	L _{B10}
4329	L ₄₄₈₉	L _{B10}
4330	L ₄₄₉₀	L _{B10}
4331	L ₄₄₉₁	L _{B10}
4332	L ₄₄₉₂	L _{B10}
4333	L ₄₄₉₃	L _{B10}
4334	L ₄₄₉₄	L _{B10}
4335	L ₄₄₉₅	L _{B10}
4336	L ₄₄₉₆	L _{B10}
4337	L ₄₄₉₇	L _{B10}
4338	L ₄₄₉₈	L _{B10}
4339	L ₄₄₉₉	L _{B10}
4340	L ₄₅₀₀	L _{B10}
4341	L ₄₅₀₁	L _{B10}
4342	L ₄₅₀₂	L _{B10}
4343	L ₄₅₀₃	L _{B10}
4344	L ₄₅₀₄	L _{B10}
4345	L ₄₅₀₅	L _{B10}
4346	L ₄₅₀₆	L _{B10}
4347	L ₄₅₀₇	L _{B10}
4348	L ₄₅₀₈	L _{B10}
4349	L ₄₅₀₉	L _{B10}
4350	L ₄₅₁₀	L _{B10}
4351	L ₄₅₁₁	L _{B10}
4352	L ₄₅₁₂	L _{B10}
4353	L ₄₅₁₃	L _{B10}
4354	L ₄₅₁₄	L _{B10}
4355	L ₄₅₁₅	L _{B10}
4356	L ₄₅₁₆	L _{B10}
4357	L ₄₅₁₇	L _{B10}
4358	L ₄₅₁₈	L _{B10}
4359	L ₄₅₁₉	L _{B10}
4360	L ₄₅₂₀	L _{B10}
4361	L ₄₅₂₁	L _{B10}
4362	L ₄₅₂₂	L _{B10}
4363	L ₄₅₂₃	L _{B10}
4364	L ₄₅₂₄	L _{B10}
4365	L ₄₅₂₅	L _{B10}
4366	L ₄₅₂₆	L _{B10}
4367	L ₄₅₂₇	L _{B10}
4368	L ₄₅₂₈	L _{B10}
4369	L ₄₅₂₉	L _{B10}
4370	L ₄₅₃₀	L _{B10}
4371	L ₄₅₃₁	L _{B10}
4372	L ₄₅₃₂	L _{B10}
4373	L ₄₅₃₃	L _{B10}
4374	L ₄₅₃₄	L _{B10}
4375	L ₄₅₃₅	L _{B10}
4376	L ₄₅₃₆	L _{B10}
4377	L ₄₅₃₇	L _{B10}
4378	L ₄₅₃₈	L _{B10}
4379	L ₄₅₃₉	L _{B10}
4380	L ₄₅₄₀	L _{B10}
4381	L ₄₅₄₁	L _{B10}
4382	L ₄₅₄₂	L _{B10}
4383	L ₄₅₄₃	L _{B10}
4384	L ₄₅₄₄	L _{B10}
4385	L ₄₅₄₅	L _{B10}
4386	L ₄₅₄₆	L _{B10}
4387	L ₄₅₄₇	L _{B10}
4388	L ₄₅₄₈	L _{B10}

TABLE 2-continued

Compound Number	L _A	L _B
4389	L ₄₅₄₉	L _{B10}
4390	L ₄₅₅₀	L _{B10}
4391	L ₄₅₅₁	L _{B10}
4392	L ₄₅₅₂	L _{B10}
4393	L ₄₅₅₃	L _{B10}
4394	L ₄₅₅₄	L _{B10}
4395	L ₄₅₅₅	L _{B10}
4396	L ₄₅₅₆	L _{B10}
4397	L ₄₅₅₇	L _{B10}
4398	L ₄₅₅₈	L _{B10}
4399	L ₄₅₅₉	L _{B10}
4400	L ₄₅₆₀	L _{B10}
4401	L ₄₅₆₁	L _{B10}
4402	L ₄₅₆₂	L _{B10}
4403	L ₄₅₆₃	L _{B10}
4404	L ₄₅₆₄	L _{B10}
4405	L ₄₅₆₅	L _{B10}
4406	L ₄₅₆₆	L _{B10}
4407	L ₄₅₆₇	L _{B10}
4408	L ₄₅₆₈	L _{B10}
4409	L ₄₅₆₉	L _{B10}
4410	L ₄₅₇₀	L _{B10}
4411	L ₄₅₇₁	L _{B10}
4412	L ₄₅₇₂	L _{B10}
4413	L ₄₅₇₃	L _{B10}
4414	L ₄₅₇₄	L _{B10}
4415	L ₄₅₇₅	L _{B10}
4416	L ₄₅₇₆	L _{B10}
4417	L ₄₅₇₇	L _{B10}
4418	L ₄₅₇₈	L _{B10}
4419	L ₄₅₇₉	L _{B10}
4420	L ₄₅₈₀	L _{B10}
4421	L ₄₅₈₁	L _{B10}
4422	L ₄₅₈₂	L _{B10}
4423	L ₄₅₈₃	L _{B10}
4424	L ₄₅₈₄	L _{B10}
4425	L ₄₅₈₅	L _{B10}
4426	L ₄₅₈₆	L _{B10}
4427	L ₄₅₈₇	L _{B10}
4428	L ₄₅₈₈	L _{B10}
4429	L ₄₅₈₉	L _{B10}
4430	L ₄₅₉₀	L _{B10}
4431	L ₄₅₉₁	L _{B10}
4432	L ₄₅₉₂	L _{B10}
4433	L ₄₅₉₃	L _{B10}
4434	L ₄₅₉₄	L _{B10}
4435	L ₄₅₉₅	L _{B10}
4436	L ₄₅₉₆	L _{B10}
4437	L ₄₅₉₇	L _{B10}
4438	L ₄₅₉₈	L _{B10}
4439	L ₄₅₉₉	L _{B10}
4440	L ₄₆₀₀	L _{B10}
4441	L ₄₆₀₁	L _{B10}
4442	L ₄₆₀₂	L _{B10}
4443	L ₄₆₀₃	L _{B10}
4444	L ₄₆₀₄	L _{B10}
4445	L ₄₆₀₅	L _{B10}
4446	L ₄₆₀₆	L _{B10}
4447	L ₄₆₀₇	L _{B10}
4448	L ₄₆₀₈	L _{B10}
4449	L ₄₆₀₉	L _{B10}
4450	L ₄₆₁₀	L _{B10}
4451	L ₄₆₁₁	L _{B10}
4452	L ₄₆₁₂	L _{B10}
4453	L ₄₆₁₃	L _{B10}
4454	L ₄₆₁₄	L _{B10}
4455	L ₄₆₁₅	L _{B10}
4456	L ₄₆₁₆	L _{B10}
4457	L ₄₆₁₇	L _{B10}
4458	L ₄₆₁₈	L _{B10}
4459	L ₄₆₁₉	L _{B10}
4460	L ₄₆₂₀	L _{B10}
4461	L ₄₆₂₁	L _{B10}
4462	L ₄₆₂₂	L _{B10}

TABLE 2-continued

Compound Number	L _A	L _B
4463	L _{A623}	L _{B10}
4464	L _{A624}	L _{B10}
4465	L _{A625}	L _{B10}
4466	L _{A626}	L _{B10}
4467	L _{A627}	L _{B10}
4468	L _{A628}	L _{B10}
4469	L _{A629}	L _{B10}
4470	L _{A630}	L _{B10}
4471	L _{A631}	L _{B10}
4472	L _{A632}	L _{B10}
4473	L _{A633}	L _{B10}
4474	L _{A634}	L _{B10}
4475	L _{A635}	L _{B10}
4476	L _{A636}	L _{B10}
4477	L _{A637}	L _{B10}
4478	L _{A638}	L _{B10}
4479	L _{A639}	L _{B10}
4480	L _{A640}	L _{B10}
4481	L _{A641}	L _{B10}
4482	L _{A642}	L _{B10}
4483	L _{A643}	L _{B10}
4484	L _{A644}	L _{B10}
4485	L _{A645}	L _{B10}
4486	L _{A646}	L _{B10}
4487	L _{A647}	L _{B10}
4488	L _{A648}	L _{B10}
4489	L _{A649}	L _{B10}
4490	L _{A650}	L _{B10}
4491	L _{A651}	L _{B10}
4492	L _{A652}	L _{B10}
4493	L _{A653}	L _{B10}
4494	L _{A654}	L _{B10}
4495	L _{A655}	L _{B10}
4496	L _{A656}	L _{B10}
4497	L _{A657}	L _{B10}
4498	L _{A658}	L _{B10}
4499	L _{A659}	L _{B10}
4500	L _{A660}	L _{B10}
4501	L _{A661}	L _{B10}
4502	L _{A662}	L _{B10}
4503	L _{A663}	L _{B10}
4504	L _{A664}	L _{B10}
4505	L _{A665}	L _{B10}
4506	L _{A666}	L _{B10}
4507	L _{A667}	L _{B10}
4508	L _{A668}	L _{B10}
4509	L _{A669}	L _{B10}
4510	L _{A670}	L _{B10}
4511	L _{A671}	L _{B10}
4512	L _{A672}	L _{B10}
4513	L _{A673}	L _{B10}
4514	L _{A674}	L _{B10}
4515	L _{A675}	L _{B10}
4516	L _{A676}	L _{B10}
4517	L _{A677}	L _{B10}
4518	L _{A678}	L _{B10}
4519	L _{A679}	L _{B10}
4520	L _{A680}	L _{B10}
4521	L _{A681}	L _{B10}
4522	L _{A682}	L _{B10}
4523	L _{A683}	L _{B10}
4524	L _{A684}	L _{B10}
4525	L _{A685}	L _{B10}
4526	L _{A686}	L _{B10}
4527	L _{A687}	L _{B10}
4528	L _{A688}	L _{B10}
4529	L _{A689}	L _{B10}
4530	L _{A690}	L _{B10}
4531	L _{A691}	L _{B10}
4532	L _{A692}	L _{B10}
4533	L _{A693}	L _{B10}
4534	L _{A694}	L _{B10}
4535	L _{A695}	L _{B10}
4536	L _{A696}	L _{B10}

TABLE 2-continued

Compound Number	L _A	L _B
4537	L _{A697}	L _{B10}
4538	L _{A698}	L _{B10}
4539	L _{A699}	L _{B10}
4540	L _{A700}	L _{B10}
4541	L _{A701}	L _{B10}
4542	L _{A702}	L _{B10}
4543	L _{A703}	L _{B10}
4544	L _{A704}	L _{B10}
4545	L _{A705}	L _{B10}
4546	L _{A706}	L _{B10}
4547	L _{A707}	L _{B10}
4548	L _{A708}	L _{B10}
4549	L _{A709}	L _{B10}
4550	L _{A710}	L _{B10}
4551	L _{A711}	L _{B10}
4552	L _{A712}	L _{B10}
4553	L _{A713}	L _{B10}
4554	L _{A714}	L _{B10}
4555	L _{A715}	L _{B10}
4556	L _{A716}	L _{B10}
4557	L _{A717}	L _{B10}
4558	L _{A718}	L _{B10}
4559	L _{A719}	L _{B10}
4560	L _{A720}	L _{B10}
4561	L _{A721}	L _{B10}
4562	L _{A722}	L _{B10}
4563	L _{A723}	L _{B10}
4564	L _{A724}	L _{B10}
4565	L _{A725}	L _{B10}
4566	L _{A726}	L _{B10}
4567	L _{A727}	L _{B10}
4568	L _{A728}	L _{B10}
4569	L _{A729}	L _{B10}
4570	L _{A730}	L _{B10}
4571	L _{A731}	L _{B10}
4572	L _{A732}	L _{B10}
4573	L _{A733}	L _{B10}
4574	L _{A734}	L _{B10}
4575	L _{A735}	L _{B10}
4576	L _{A736}	L _{B10}
4577	L _{A737}	L _{B10}
4578	L _{A738}	L _{B10}
4579	L _{A739}	L _{B10}
4580	L _{A740}	L _{B10}
4581	L _{A741}	L _{B10}
4582	L _{A742}	L _{B10}
4583	L _{A743}	L _{B10}
4584	L _{A744}	L _{B10}
4585	L _{A745}	L _{B10}
4586	L _{A746}	L _{B10}
4587	L _{A747}	L _{B10}
4588	L _{A748}	L _{B10}
4589	L _{A749}	L _{B10}
4590	L _{A750}	L _{B10}
4591	L _{A751}	L _{B10}
4592	L _{A752}	L _{B10}
4593	L _{A753}	L _{B10}
4594	L _{A754}	L _{B10}
4595	L _{A755}	L _{B10}
4596	L _{A756}	L _{B10}
4597	L _{A757}	L _{B10}
4598	L _{A758}	L _{B10}
4599	L _{A759}	L _{B10}
4600	L _{A760}	L _{B10}
4601	L _{A761}	L _{B10}
4602	L _{A762}	L _{B10}
4603	L _{A763}	L _{B10}
4604	L _{A764}	L _{B10}
4605	L _{A765}	L _{B10}
4606	L _{A766}	L _{B10}
4607	L _{A767}	L _{B10}
4608	L _{A768}	L _{B10}
4609	L _{A769}	L _{B10}
4610	L _{A770}	L _{B10}

TABLE 2-continued

Compound Number	L _A	L _B
4611	L _{A771}	L _{B10}
4612	L _{A772}	L _{B10}
4613	L _{A773}	L _{B10}
4614	L _{A774}	L _{B10}
4615	L _{A775}	L _{B10}
4616	L _{A776}	L _{B10}
4617	L _{A777}	L _{B10}
4618	L _{A778}	L _{B10}
4619	L _{A779}	L _{B10}
4620	L _{A780}	L _{B10}
4621	L _{A781}	L _{B10}
4622	L _{A782}	L _{B10}
4623	L _{A783}	L _{B10}
4624	L _{A784}	L _{B10}
4625	L _{A785}	L _{B10}
4626	L _{A786}	L _{B10}
4627	L _{A787}	L _{B10}
4628	L _{A788}	L _{B10}
4629	L _{A789}	L _{B10}
4630	L _{A790}	L _{B10}
4631	L _{A791}	L _{B10}
4632	L _{A792}	L _{B10}
4633	L _{A793}	L _{B10}
4634	L _{A794}	L _{B10}
4635	L _{A795}	L _{B10}
4636	L _{A796}	L _{B10}
4637	L _{A797}	L _{B10}
4638	L _{A798}	L _{B10}
4639	L _{A799}	L _{B10}
4640	L _{A800}	L _{B10}
4641	L _{A801}	L _{B10}
4642	L _{A802}	L _{B10}
4643	L _{A803}	L _{B10}
4644	L _{A804}	L _{B10}
4645	L _{A805}	L _{B10}
4646	L _{A806}	L _{B10}
4647	L _{A807}	L _{B10}
4648	L _{A808}	L _{B10}
4649	L _{A809}	L _{B10}
4650	L _{A810}	L _{B10}
4651	L _{A811}	L _{B10}
4652	L _{A812}	L _{B10}
4653	L _{A813}	L _{B10}
4654	L _{A814}	L _{B10}
4655	L _{A815}	L _{B10}
4656	L _{A816}	L _{B10}
4657	L _{A817}	L _{B10}
4658	L _{A818}	L _{B10}
4659	L _{A819}	L _{B10}
4660	L _{A820}	L _{B10}
4661	L _{A821}	L _{B10}
4662	L _{A822}	L _{B10}
4663	L _{A823}	L _{B10}
4664	L _{A824}	L _{B10}
4665	L _{A825}	L _{B10}
4666	L _{A826}	L _{B10}
4667	L _{A827}	L _{B10}
4668	L _{A828}	L _{B10}
4669	L _{A829}	L _{B10}
4670	L _{A830}	L _{B10}
4671	L _{A831}	L _{B10}
4672	L _{A832}	L _{B10}
4673	L _{A833}	L _{B10}
4674	L _{A834}	L _{B10}
4675	L _{A835}	L _{B10}
4676	L _{A836}	L _{B10}
4677	L _{A837}	L _{B10}
4678	L _{A838}	L _{B10}
4679	L _{A839}	L _{B10}
4680	L _{A840}	L _{B10}
4681	L _{A841}	L _{B10}
4682	L _{A842}	L _{B10}
4683	L _{A843}	L _{B10}
4684	L _{A844}	L _{B10}

TABLE 2-continued

Compound Number	L _A	L _B
4685	L _{A845}	L _{B10}
4686	L _{A846}	L _{B10}
4687	L _{A847}	L _{B10}
4688	L _{A848}	L _{B10}
4689	L _{A849}	L _{B10}
4690	L _{A850}	L _{B10}
4691	L _{A851}	L _{B10}
4692	L _{A852}	L _{B10}
4693	L _{A853}	L _{B10}
4694	L _{A854}	L _{B10}
4695	L _{A855}	L _{B10}
4696	L _{A856}	L _{B10}
4697	L _{A857}	L _{B10}
4698	L _{A858}	L _{B10}
4699	L _{A859}	L _{B10}
4700	L _{A860}	L _{B10}
4701	L _{A861}	L _{B10}
4702	L _{A862}	L _{B10}
4703	L _{A863}	L _{B10}
4704	L _{A864}	L _{B10}
4705	L _{A865}	L _{B10}
4706	L _{A866}	L _{B10}
4707	L _{A867}	L _{B10}
4708	L _{A868}	L _{B10}
4709	L _{A869}	L _{B10}
4710	L _{A870}	L _{B10}
4711	L _{A871}	L _{B10}
4712	L _{A872}	L _{B10}
4713	L _{A873}	L _{B10}
4714	L _{A874}	L _{B10}
4715	L _{A875}	L _{B10}
4716	L _{A876}	L _{B10}
4717	L _{A877}	L _{B10}
4718	L _{A878}	L _{B10}
4719	L _{A879}	L _{B10}
4720	L _{A880}	L _{B10}
4721	L _{A881}	L _{B10}
4722	L _{A882}	L _{B10}
4723	L _{A883}	L _{B10}
4724	L _{A884}	L _{B10}
4725	L _{A885}	L _{B10}
4726	L _{A886}	L _{B10}
4727	L _{A887}	L _{B10}
4728	L _{A888}	L _{B10}
4729	L _{A889}	L _{B10}
4730	L _{A890}	L _{B10}
4731	L _{A891}	L _{B10}
4732	L _{A892}	L _{B10}
4733	L _{A893}	L _{B10}
4734	L _{A894}	L _{B10}
4735	L _{A895}	L _{B10}
4736	L _{A896}	L _{B10}
4737	L _{A897}	L _{B10}
4738	L _{A898}	L _{B10}
4739	L _{A899}	L _{B10}
4740	L _{A900}	L _{B10}
4741	L _{A901}	L _{B10}
4742	L _{A902}	L _{B10}
4743	L _{A903}	L _{B10}
4744	L _{A904}	L _{B10}
4745	L _{A905}	L _{B10}
4746	L _{A906}	L _{B10}
4747	L _{A907}	L _{B10}
4748	L _{A908}	L _{B10}
4749	L _{A909}	L _{B10}
4750	L _{A910}	L _{B10}
4751	L _{A911}	L _{B10}
4752	L _{A912}	L _{B10}
4753	L _{A913}	L _{B10}
4754	L _{A914}	L _{B10}
4755	L _{A915}	L _{B10}
4756	L _{A916}	L _{B10}
4757	L _{A917}	L _{B10}
4758	L _{A918}	L _{B10}

TABLE 2-continued

Compound Number	L _A	L _B
4759	L _{A919}	L _{B10}
4760	L _{A920}	L _{B10}
4761	L _{A921}	L _{B10}
4762	L _{A922}	L _{B10}
4763	L _{A923}	L _{B10}
4764	L _{A924}	L _{B10}
4765	L _{A925}	L _{B10}
4766	L _{A926}	L _{B10}
4767	L _{A927}	L _{B10}
4768	L _{A928}	L _{B10}
4769	L _{A929}	L _{B10}
4770	L _{A930}	L _{B10}
4771	L _{A931}	L _{B10}
4772	L _{A932}	L _{B10}
4773	L _{A933}	L _{B10}
4774	L _{A934}	L _{B10}
4775	L _{A935}	L _{B10}
4776	L _{A936}	L _{B10}
4777	L _{A937}	L _{B10}
4778	L _{A938}	L _{B10}
4779	L _{A939}	L _{B10}
4780	L _{A940}	L _{B10}
4781	L _{A941}	L _{B10}
4782	L _{A942}	L _{B10}
4783	L _{A943}	L _{B10}
4784	L _{A944}	L _{B10}
4785	L _{A945}	L _{B10}
4786	L _{A946}	L _{B10}
4787	L _{A947}	L _{B10}
4788	L _{A948}	L _{B10}
4789	L _{A949}	L _{B10}
4790	L _{A950}	L _{B10}
4791	L _{A951}	L _{B10}
4792	L _{A952}	L _{B10}
4793	L _{A953}	L _{B10}
4794	L _{A954}	L _{B10}
4795	L _{A955}	L _{B10}
4796	L _{A956}	L _{B10}
4797	L _{A957}	L _{B10}
4798	L _{A958}	L _{B10}
4799	L _{A959}	L _{B10}
4800	L _{A960}	L _{B10}
4801	L _{A1}	L _{B12}
4802	L _{A2}	L _{B12}
4803	L _{A3}	L _{B12}
4804	L _{A4}	L _{B12}
4805	L _{A5}	L _{B12}
4806	L _{A6}	L _{B12}
4807	L _{A7}	L _{B12}
4808	L _{A8}	L _{B12}
4809	L _{A9}	L _{B12}
4810	L _{A10}	L _{B12}
4811	L _{A11}	L _{B12}
4812	L _{A12}	L _{B12}
4813	L _{A13}	L _{B12}
4814	L _{A14}	L _{B12}
4815	L _{A15}	L _{B12}
4816	L _{A16}	L _{B12}
4817	L _{A17}	L _{B12}
4818	L _{A18}	L _{B12}
4819	L _{A19}	L _{B12}
4820	L _{A20}	L _{B12}
4821	L _{A21}	L _{B12}
4822	L _{A22}	L _{B12}
4823	L _{A23}	L _{B12}
4824	L _{A24}	L _{B12}
4825	L _{A25}	L _{B12}
4826	L _{A26}	L _{B12}
4827	L _{A27}	L _{B12}
4828	L _{A28}	L _{B12}
4829	L _{A29}	L _{B12}
4830	L _{A30}	L _{B12}
4831	L _{A31}	L _{B12}
4832	L _{A32}	L _{B12}

TABLE 2-continued

Compound Number	L _A	L _B
4833	L _{A33}	L _{B12}
4834	L _{A34}	L _{B12}
4835	L _{A35}	L _{B12}
4836	L _{A36}	L _{B12}
4837	L _{A37}	L _{B12}
4838	L _{A38}	L _{B12}
4839	L _{A39}	L _{B12}
4840	L _{A40}	L _{B12}
4841	L _{A41}	L _{B12}
4842	L _{A42}	L _{B12}
4843	L _{A43}	L _{B12}
4844	L _{A44}	L _{B12}
4845	L _{A45}	L _{B12}
4846	L _{A46}	L _{B12}
4847	L _{A47}	L _{B12}
4848	L _{A48}	L _{B12}
4849	L _{A49}	L _{B12}
4850	L _{A50}	L _{B12}
4851	L _{A51}	L _{B12}
4852	L _{A52}	L _{B12}
4853	L _{A53}	L _{B12}
4854	L _{A54}	L _{B12}
4855	L _{A55}	L _{B12}
4856	L _{A56}	L _{B12}
4857	L _{A57}	L _{B12}
4858	L _{A58}	L _{B12}
4859	L _{A59}	L _{B12}
4860	L _{A60}	L _{B12}
4861	L _{A61}	L _{B12}
4862	L _{A62}	L _{B12}
4863	L _{A63}	L _{B12}
4864	L _{A64}	L _{B12}
4865	L _{A65}	L _{B12}
4866	L _{A66}	L _{B12}
4867	L _{A67}	L _{B12}
4868	L _{A68}	L _{B12}
4869	L _{A69}	L _{B12}
4870	L _{A70}	L _{B12}
4871	L _{A71}	L _{B12}
4872	L _{A72}	L _{B12}
4873	L _{A73}	L _{B12}
4874	L _{A74}	L _{B12}
4875	L _{A75}	L _{B12}
4876	L _{A76}	L _{B12}
4877	L _{A77}	L _{B12}
4878	L _{A78}	L _{B12}
4879	L _{A79}	L _{B12}
4880	L _{A80}	L _{B12}
4881	L _{A81}	L _{B12}
4882	L _{A82}	L _{B12}
4883	L _{A83}	L _{B12}
4884	L _{A84}	L _{B12}
4885	L _{A85}	L _{B12}
4886	L _{A86}	L _{B12}
4887	L _{A87}	L _{B12}
4888	L _{A88}	L _{B12}
4889	L _{A89}	L _{B12}
4890	L _{A90}	L _{B12}
4891	L _{A91}	L _{B12}
4892	L _{A92}	L _{B12}
4893	L _{A93}	L _{B12}
4894	L _{A94}	L _{B12}
4895	L _{A95}	L _{B12}
4896	L _{A96}	L _{B12}
4897	L _{A97}	L _{B12}
4898	L _{A98}	L _{B12}
4899	L _{A99}	L _{B12}
4900	L _{A100}	L _{B12}
4901	L _{A101}	L _{B12}
4902	L _{A102}	L _{B12}
4903	L _{A103}	L _{B12}
4904	L _{A104}	L _{B12}
4905	L _{A105}	L _{B12}
4906	L _{A106}	L _{B12}

TABLE 2-continued

Compound Number	L _A	L _B
4907	L _{A107}	L _{B12}
4908	L _{A108}	L _{B12}
4909	L _{A109}	L _{B12}
4910	L _{A110}	L _{B12}
4911	L _{A111}	L _{B12}
4912	L _{A112}	L _{B12}
4913	L _{A113}	L _{B12}
4914	L _{A114}	L _{B12}
4915	L _{A115}	L _{B12}
4916	L _{A116}	L _{B12}
4917	L _{A117}	L _{B12}
4918	L _{A118}	L _{B12}
4919	L _{A119}	L _{B12}
4920	L _{A120}	L _{B12}
4921	L _{A121}	L _{B12}
4922	L _{A122}	L _{B12}
4923	L _{A123}	L _{B12}
4924	L _{A124}	L _{B12}
4925	L _{A125}	L _{B12}
4926	L _{A126}	L _{B12}
4927	L _{A127}	L _{B12}
4928	L _{A128}	L _{B12}
4929	L _{A129}	L _{B12}
4930	L _{A130}	L _{B12}
4931	L _{A131}	L _{B12}
4932	L _{A132}	L _{B12}
4933	L _{A133}	L _{B12}
4934	L _{A134}	L _{B12}
4935	L _{A135}	L _{B12}
4936	L _{A136}	L _{B12}
4937	L _{A137}	L _{B12}
4938	L _{A138}	L _{B12}
4939	L _{A139}	L _{B12}
4940	L _{A140}	L _{B12}
4941	L _{A141}	L _{B12}
4942	L _{A142}	L _{B12}
4943	L _{A143}	L _{B12}
4944	L _{A144}	L _{B12}
4945	L _{A145}	L _{B12}
4946	L _{A146}	L _{B12}
4947	L _{A147}	L _{B12}
4948	L _{A148}	L _{B12}
4949	L _{A149}	L _{B12}
4950	L _{A150}	L _{B12}
4951	L _{A151}	L _{B12}
4952	L _{A152}	L _{B12}
4953	L _{A153}	L _{B12}
4954	L _{A154}	L _{B12}
4955	L _{A155}	L _{B12}
4956	L _{A156}	L _{B12}
4957	L _{A157}	L _{B12}
4958	L _{A158}	L _{B12}
4959	L _{A159}	L _{B12}
4960	L _{A160}	L _{B12}
4961	L _{A161}	L _{B12}
4962	L _{A162}	L _{B12}
4963	L _{A163}	L _{B12}
4964	L _{A164}	L _{B12}
4965	L _{A165}	L _{B12}
4966	L _{A166}	L _{B12}
4967	L _{A167}	L _{B12}
4968	L _{A168}	L _{B12}
4969	L _{A169}	L _{B12}
4970	L _{A170}	L _{B12}
4971	L _{A171}	L _{B12}
4972	L _{A172}	L _{B12}
4973	L _{A173}	L _{B12}
4974	L _{A174}	L _{B12}
4975	L _{A175}	L _{B12}
4976	L _{A176}	L _{B12}
4977	L _{A177}	L _{B12}
4978	L _{A178}	L _{B12}
4979	L _{A179}	L _{B12}
4980	L _{A180}	L _{B12}

TABLE 2-continued

Compound Number	L _A	L _B
4981	L _{A181}	L _{B12}
4982	L _{A182}	L _{B12}
4983	L _{A183}	L _{B12}
4984	L _{A184}	L _{B12}
4985	L _{A185}	L _{B12}
4986	L _{A186}	L _{B12}
4987	L _{A187}	L _{B12}
4988	L _{A188}	L _{B12}
4989	L _{A189}	L _{B12}
4990	L _{A190}	L _{B12}
4991	L _{A191}	L _{B12}
4992	L _{A192}	L _{B12}
4993	L _{A193}	L _{B12}
4994	L _{A194}	L _{B12}
4995	L _{A195}	L _{B12}
4996	L _{A196}	L _{B12}
4997	L _{A197}	L _{B12}
4998	L _{A198}	L _{B12}
4999	L _{A199}	L _{B12}
5000	L _{A200}	L _{B12}
5001	L _{A201}	L _{B12}
5002	L _{A202}	L _{B12}
5003	L _{A203}	L _{B12}
5004	L _{A204}	L _{B12}
5005	L _{A205}	L _{B12}
5006	L _{A206}	L _{B12}
5007	L _{A207}	L _{B12}
5008	L _{A208}	L _{B12}
5009	L _{A209}	L _{B12}
5010	L _{A210}	L _{B12}
5011	L _{A211}	L _{B12}
5012	L _{A212}	L _{B12}
5013	L _{A213}	L _{B12}
5014	L _{A214}	L _{B12}
5015	L _{A215}	L _{B12}
5016	L _{A216}	L _{B12}
5017	L _{A217}	L _{B12}
5018	L _{A218}	L _{B12}
5019	L _{A219}	L _{B12}
5020	L _{A220}	L _{B12}
5021	L _{A221}	L _{B12}
5022	L _{A222}	L _{B12}
5023	L _{A223}	L _{B12}
5024	L _{A224}	L _{B12}
5025	L _{A225}	L _{B12}
5026	L _{A226}	L _{B12}
5027	L _{A227}	L _{B12}
5028	L _{A228}	L _{B12}
5029	L _{A229}	L _{B12}
5030	L _{A230}	L _{B12}
5031	L _{A231}	L _{B12}
5032	L _{A232}	L _{B12}
5033	L _{A233}	L _{B12}
5034	L _{A234}	L _{B12}
5035	L _{A235}	L _{B12}
5036	L _{A236}	L _{B12}
5037	L _{A237}	L _{B12}
5038	L _{A238}	L _{B12}
5039	L _{A239}	L _{B12}
5040	L _{A240}	L _{B12}
5041	L _{A241}	L _{B12}
5042	L _{A242}	L _{B12}
5043	L _{A243}	L _{B12}
5044	L _{A244}	L _{B12}
5045	L _{A245}	L _{B12}
5046	L _{A246}	L _{B12}
5047	L _{A247}	L _{B12}
5048	L _{A248}	L _{B12}
5049	L _{A249}	L _{B12}
5050	L _{A250}	L _{B12}
5051	L _{A251}	L _{B12}
5052	L _{A252}	L _{B12}
5053	L _{A253}	L _{B12}
5054	L _{A254}	L _{B12}

TABLE 2-continued

Compound Number	L _A	L _B
5055	L _{A255}	L _{B12}
5056	L _{A256}	L _{B12}
5057	L _{A257}	L _{B12}
5058	L _{A258}	L _{B12}
5059	L _{A259}	L _{B12}
5060	L _{A260}	L _{B12}
5061	L _{A261}	L _{B12}
5062	L _{A262}	L _{B12}
5063	L _{A263}	L _{B12}
5064	L _{A264}	L _{B12}
5065	L _{A265}	L _{B12}
5066	L _{A266}	L _{B12}
5067	L _{A267}	L _{B12}
5068	L _{A268}	L _{B12}
5069	L _{A269}	L _{B12}
5070	L _{A270}	L _{B12}
5071	L _{A271}	L _{B12}
5072	L _{A272}	L _{B12}
5073	L _{A273}	L _{B12}
5074	L _{A274}	L _{B12}
5075	L _{A275}	L _{B12}
5076	L _{A276}	L _{B12}
5077	L _{A277}	L _{B12}
5078	L _{A278}	L _{B12}
5079	L _{A279}	L _{B12}
5080	L _{A280}	L _{B12}
5081	L _{A281}	L _{B12}
5082	L _{A282}	L _{B12}
5083	L _{A283}	L _{B12}
5084	L _{A284}	L _{B12}
5085	L _{A285}	L _{B12}
5086	L _{A286}	L _{B12}
5087	L _{A287}	L _{B12}
5088	L _{A288}	L _{B12}
5089	L _{A289}	L _{B12}
5090	L _{A290}	L _{B12}
5091	L _{A291}	L _{B12}
5092	L _{A292}	L _{B12}
5093	L _{A293}	L _{B12}
5094	L _{A294}	L _{B12}
5095	L _{A295}	L _{B12}
5096	L _{A296}	L _{B12}
5097	L _{A297}	L _{B12}
5098	L _{A298}	L _{B12}
5099	L _{A299}	L _{B12}
5100	L _{A300}	L _{B12}
5101	L _{A301}	L _{B12}
5102	L _{A302}	L _{B12}
5103	L _{A303}	L _{B12}
5104	L _{A304}	L _{B12}
5105	L _{A305}	L _{B12}
5106	L _{A306}	L _{B12}
5107	L _{A307}	L _{B12}
5108	L _{A308}	L _{B12}
5109	L _{A309}	L _{B12}
5110	L _{A310}	L _{B12}
5111	L _{A311}	L _{B12}
5112	L _{A312}	L _{B12}
5113	L _{A313}	L _{B12}
5114	L _{A314}	L _{B12}
5115	L _{A315}	L _{B12}
5116	L _{A316}	L _{B12}
5117	L _{A317}	L _{B12}
5118	L _{A318}	L _{B12}
5119	L _{A319}	L _{B12}
5120	L _{A320}	L _{B12}
5121	L _{A321}	L _{B12}
5122	L _{A322}	L _{B12}
5123	L _{A323}	L _{B12}
5124	L _{A324}	L _{B12}
5125	L _{A325}	L _{B12}
5126	L _{A326}	L _{B12}
5127	L _{A327}	L _{B12}
5128	L _{A328}	L _{B12}

TABLE 2-continued

Compound Number	L _A	L _B
5129	L _{A329}	L _{B12}
5130	L _{A330}	L _{B12}
5131	L _{A331}	L _{B12}
5132	L _{A332}	L _{B12}
5133	L _{A333}	L _{B12}
5134	L _{A334}	L _{B12}
5135	L _{A335}	L _{B12}
5136	L _{A336}	L _{B12}
5137	L _{A337}	L _{B12}
5138	L _{A338}	L _{B12}
5139	L _{A339}	L _{B12}
5140	L _{A340}	L _{B12}
5141	L _{A341}	L _{B12}
5142	L _{A342}	L _{B12}
5143	L _{A343}	L _{B12}
5144	L _{A344}	L _{B12}
5145	L _{A345}	L _{B12}
5146	L _{A346}	L _{B12}
5147	L _{A347}	L _{B12}
5148	L _{A348}	L _{B12}
5149	L _{A349}	L _{B12}
5150	L _{A350}	L _{B12}
5151	L _{A351}	L _{B12}
5152	L _{A352}	L _{B12}
5153	L _{A353}	L _{B12}
5154	L _{A354}	L _{B12}
5155	L _{A355}	L _{B12}
5156	L _{A356}	L _{B12}
5157	L _{A357}	L _{B12}
5158	L _{A358}	L _{B12}
5159	L _{A359}	L _{B12}
5160	L _{A360}	L _{B12}
5161	L _{A361}	L _{B12}
5162	L _{A362}	L _{B12}
5163	L _{A363}	L _{B12}
5164	L _{A364}	L _{B12}
5165	L _{A365}	L _{B12}
5166	L _{A366}	L _{B12}
5167	L _{A367}	L _{B12}
5168	L _{A368}	L _{B12}
5169	L _{A369}	L _{B12}
5170	L _{A370}	L _{B12}
5171	L _{A371}	L _{B12}
5172	L _{A372}	L _{B12}
5173	L _{A373}	L _{B12}
5174	L _{A374}	L _{B12}
5175	L _{A375}	L _{B12}
5176	L _{A376}	L _{B12}
5177	L _{A377}	L _{B12}
5178	L _{A378}	L _{B12}
5179	L _{A379}	L _{B12}
5180	L _{A380}	L _{B12}
5181	L _{A381}	L _{B12}
5182	L _{A382}	L _{B12}
5183	L _{A383}	L _{B12}
5184	L _{A384}	L _{B12}
5185	L _{A385}	L _{B12}
5186	L _{A386}	L _{B12}
5187	L _{A387}	L _{B12}
5188	L _{A388}	L _{B12}
5189	L _{A389}	L _{B12}
5190	L _{A390}	L _{B12}
5191	L _{A391}	L _{B12}
5192	L _{A392}	L _{B12}
5193	L _{A393}	L _{B12}
5194	L _{A394}	L _{B12}
5195	L _{A395}	L _{B12}
5196	L _{A396}	L _{B12}
5197	L _{A397}	L _{B12}
5198	L _{A398}	L _{B12}
5199	L _{A399}	L _{B12}
5200	L _{A400}	L _{B12}
5201	L _{A401}	L _{B12}
5202	L _{A402}	L _{B12}

TABLE 2-continued

Compound Number	L _A	L _B
5203	L ₄₄₀₃	L _{B12}
5204	L ₄₄₀₄	L _{B12}
5205	L ₄₄₀₅	L _{B12}
5206	L ₄₄₀₆	L _{B12}
5207	L ₄₄₀₇	L _{B12}
5208	L ₄₄₀₈	L _{B12}
5209	L ₄₄₀₉	L _{B12}
5210	L ₄₄₁₀	L _{B12}
5211	L ₄₄₁₁	L _{B12}
5212	L ₄₄₁₂	L _{B12}
5213	L ₄₄₁₃	L _{B12}
5214	L ₄₄₁₄	L _{B12}
5215	L ₄₄₁₅	L _{B12}
5216	L ₄₄₁₆	L _{B12}
5217	L ₄₄₁₇	L _{B12}
5218	L ₄₄₁₈	L _{B12}
5219	L ₄₄₁₉	L _{B12}
5220	L ₄₄₂₀	L _{B12}
5221	L ₄₄₂₁	L _{B12}
5222	L ₄₄₂₂	L _{B12}
5223	L ₄₄₂₃	L _{B12}
5224	L ₄₄₂₄	L _{B12}
5225	L ₄₄₂₅	L _{B12}
5226	L ₄₄₂₆	L _{B12}
5227	L ₄₄₂₇	L _{B12}
5228	L ₄₄₂₈	L _{B12}
5229	L ₄₄₂₉	L _{B12}
5230	L ₄₄₃₀	L _{B12}
5231	L ₄₄₃₁	L _{B12}
5232	L ₄₄₃₂	L _{B12}
5233	L ₄₄₃₃	L _{B12}
5234	L ₄₄₃₄	L _{B12}
5235	L ₄₄₃₅	L _{B12}
5236	L ₄₄₃₆	L _{B12}
5237	L ₄₄₃₇	L _{B12}
5238	L ₄₄₃₈	L _{B12}
5239	L ₄₄₃₉	L _{B12}
5240	L ₄₄₄₀	L _{B12}
5241	L ₄₄₄₁	L _{B12}
5242	L ₄₄₄₂	L _{B12}
5243	L ₄₄₄₃	L _{B12}
5244	L ₄₄₄₄	L _{B12}
5245	L ₄₄₄₅	L _{B12}
5246	L ₄₄₄₆	L _{B12}
5247	L ₄₄₄₇	L _{B12}
5248	L ₄₄₄₈	L _{B12}
5249	L ₄₄₄₉	L _{B12}
5250	L ₄₄₅₀	L _{B12}
5251	L ₄₄₅₁	L _{B12}
5252	L ₄₄₅₂	L _{B12}
5253	L ₄₄₅₃	L _{B12}
5254	L ₄₄₅₄	L _{B12}
5255	L ₄₄₅₅	L _{B12}
5256	L ₄₄₅₆	L _{B12}
5257	L ₄₄₅₇	L _{B12}
5258	L ₄₄₅₈	L _{B12}
5259	L ₄₄₅₉	L _{B12}
5260	L ₄₄₆₀	L _{B12}
5261	L ₄₄₆₁	L _{B12}
5262	L ₄₄₆₂	L _{B12}
5263	L ₄₄₆₃	L _{B12}
5264	L ₄₄₆₄	L _{B12}
5265	L ₄₄₆₅	L _{B12}
5266	L ₄₄₆₆	L _{B12}
5267	L ₄₄₆₇	L _{B12}
5268	L ₄₄₆₈	L _{B12}
5269	L ₄₄₆₉	L _{B12}
5270	L ₄₄₇₀	L _{B12}
5271	L ₄₄₇₁	L _{B12}
5272	L ₄₄₇₂	L _{B12}
5273	L ₄₄₇₃	L _{B12}
5274	L ₄₄₇₄	L _{B12}
5275	L ₄₄₇₅	L _{B12}
5276	L ₄₄₇₆	L _{B12}

TABLE 2-continued

Compound Number	L _A	L _B
5277	L ₄₄₇₇	L _{B12}
5278	L ₄₄₇₈	L _{B12}
5279	L ₄₄₇₉	L _{B12}
5280	L ₄₄₈₀	L _{B12}
5281	L ₄₄₈₁	L _{B12}
5282	L ₄₄₈₂	L _{B12}
5283	L ₄₄₈₃	L _{B12}
5284	L ₄₄₈₄	L _{B12}
5285	L ₄₄₈₅	L _{B12}
5286	L ₄₄₈₆	L _{B12}
5287	L ₄₄₈₇	L _{B12}
5288	L ₄₄₈₈	L _{B12}
5289	L ₄₄₈₉	L _{B12}
5290	L ₄₄₉₀	L _{B12}
5291	L ₄₄₉₁	L _{B12}
5292	L ₄₄₉₂	L _{B12}
5293	L ₄₄₉₃	L _{B12}
5294	L ₄₄₉₄	L _{B12}
5295	L ₄₄₉₅	L _{B12}
5296	L ₄₄₉₆	L _{B12}
5297	L ₄₄₉₇	L _{B12}
5298	L ₄₄₉₈	L _{B12}
5299	L ₄₄₉₉	L _{B12}
5300	L ₄₅₀₀	L _{B12}
5301	L ₄₅₀₁	L _{B12}
5302	L ₄₅₀₂	L _{B12}
5303	L ₄₅₀₃	L _{B12}
5304	L ₄₅₀₄	L _{B12}
5305	L ₄₅₀₅	L _{B12}
5306	L ₄₅₀₆	L _{B12}
5307	L ₄₅₀₇	L _{B12}
5308	L ₄₅₀₈	L _{B12}
5309	L ₄₅₀₉	L _{B12}
5310	L ₄₅₁₀	L _{B12}
5311	L ₄₅₁₁	L _{B12}
5312	L ₄₅₁₂	L _{B12}
5313	L ₄₅₁₃	L _{B12}
5314	L ₄₅₁₄	L _{B12}
5315	L ₄₅₁₅	L _{B12}
5316	L ₄₅₁₆	L _{B12}
5317	L ₄₅₁₇	L _{B12}
5318	L ₄₅₁₈	L _{B12}
5319	L ₄₅₁₉	L _{B12}
5320	L ₄₅₂₀	L _{B12}
5321	L ₄₅₂₁	L _{B12}
5322	L ₄₅₂₂	L _{B12}
5323	L ₄₅₂₃	L _{B12}
5324	L ₄₅₂₄	L _{B12}
5325	L ₄₅₂₅	L _{B12}
5326	L ₄₅₂₆	L _{B12}
5327	L ₄₅₂₇	L _{B12}
5328	L ₄₅₂₈	L _{B12}
5329	L ₄₅₂₉	L _{B12}
5330	L ₄₅₃₀	L _{B12}
5331	L ₄₅₃₁	L _{B12}
5332	L ₄₅₃₂	L _{B12}
5333	L ₄₅₃₃	L _{B12}
5334	L ₄₅₃₄	L _{B12}
5335	L ₄₅₃₅	L _{B12}
5336	L ₄₅₃₆	L _{B12}
5337	L ₄₅₃₇	L _{B12}
5338	L ₄₅₃₈	L _{B12}
5339	L ₄₅₃₉	L _{B12}
5340	L ₄₅₄₀	L _{B12}
5341	L ₄₅₄₁	L _{B12}
5342	L ₄₅₄₂	L _{B12}
5343	L ₄₅₄₃	L _{B12}
5344	L ₄₅₄₄	L _{B12}
5345	L ₄₅₄₅	L _{B12}
5346	L ₄₅₄₆	L _{B12}
5347	L ₄₅₄₇	L _{B12}
5348	L ₄₅₄₈	L _{B12}
5349	L ₄₅₄₉	L _{B12}
5350	L ₄₅₅₀	L _{B12}

TABLE 2-continued

Compound Number	L _A	L _B
5351	L ₄₅₅₁	L _{B12}
5352	L ₄₅₅₂	L _{B12}
5353	L ₄₅₅₃	L _{B12}
5354	L ₄₅₅₄	L _{B12}
5355	L ₄₅₅₅	L _{B12}
5356	L ₄₅₅₆	L _{B12}
5357	L ₄₅₅₇	L _{B12}
5358	L ₄₅₅₈	L _{B12}
5359	L ₄₅₅₉	L _{B12}
5360	L ₄₅₆₀	L _{B12}
5361	L ₄₅₆₁	L _{B12}
5362	L ₄₅₆₂	L _{B12}
5363	L ₄₅₆₃	L _{B12}
5364	L ₄₅₆₄	L _{B12}
5365	L ₄₅₆₅	L _{B12}
5366	L ₄₅₆₆	L _{B12}
5367	L ₄₅₆₇	L _{B12}
5368	L ₄₅₆₈	L _{B12}
5369	L ₄₅₆₉	L _{B12}
5370	L ₄₅₇₀	L _{B12}
5371	L ₄₅₇₁	L _{B12}
5372	L ₄₅₇₂	L _{B12}
5373	L ₄₅₇₃	L _{B12}
5374	L ₄₅₇₄	L _{B12}
5375	L ₄₅₇₅	L _{B12}
5376	L ₄₅₇₆	L _{B12}
5377	L ₄₅₇₇	L _{B12}
5378	L ₄₅₇₈	L _{B12}
5379	L ₄₅₇₉	L _{B12}
5380	L ₄₅₈₀	L _{B12}
5381	L ₄₅₈₁	L _{B12}
5382	L ₄₅₈₂	L _{B12}
5383	L ₄₅₈₃	L _{B12}
5384	L ₄₅₈₄	L _{B12}
5385	L ₄₅₈₅	L _{B12}
5386	L ₄₅₈₆	L _{B12}
5387	L ₄₅₈₇	L _{B12}
5388	L ₄₅₈₈	L _{B12}
5389	L ₄₅₈₉	L _{B12}
5390	L ₄₅₉₀	L _{B12}
5391	L ₄₅₉₁	L _{B12}
5392	L ₄₅₉₂	L _{B12}
5393	L ₄₅₉₃	L _{B12}
5394	L ₄₅₉₄	L _{B12}
5395	L ₄₅₉₅	L _{B12}
5396	L ₄₅₉₆	L _{B12}
5397	L ₄₅₉₇	L _{B12}
5398	L ₄₅₉₈	L _{B12}
5399	L ₄₅₉₉	L _{B12}
5400	L ₄₆₀₀	L _{B12}
5401	L ₄₆₀₁	L _{B12}
5402	L ₄₆₀₂	L _{B12}
5403	L ₄₆₀₃	L _{B12}
5404	L ₄₆₀₄	L _{B12}
5405	L ₄₆₀₅	L _{B12}
5406	L ₄₆₀₆	L _{B12}
5407	L ₄₆₀₇	L _{B12}
5408	L ₄₆₀₈	L _{B12}
5409	L ₄₆₀₉	L _{B12}
5410	L ₄₆₁₀	L _{B12}
5411	L ₄₆₁₁	L _{B12}
5412	L ₄₆₁₂	L _{B12}
5413	L ₄₆₁₃	L _{B12}
5414	L ₄₆₁₄	L _{B12}
5415	L ₄₆₁₅	L _{B12}
5416	L ₄₆₁₆	L _{B12}
5417	L ₄₆₁₇	L _{B12}
5418	L ₄₆₁₈	L _{B12}
5419	L ₄₆₁₉	L _{B12}
5420	L ₄₆₂₀	L _{B12}
5421	L ₄₆₂₁	L _{B12}
5422	L ₄₆₂₂	L _{B12}
5423	L ₄₆₂₃	L _{B12}
5424	L ₄₆₂₄	L _{B12}

TABLE 2-continued

Compound Number	L _A	L _B
5425	L ₄₆₂₅	L _{B12}
5426	L ₄₆₂₆	L _{B12}
5427	L ₄₆₂₇	L _{B12}
5428	L ₄₆₂₈	L _{B12}
5429	L ₄₆₂₉	L _{B12}
5430	L ₄₆₃₀	L _{B12}
5431	L ₄₆₃₁	L _{B12}
5432	L ₄₆₃₂	L _{B12}
5433	L ₄₆₃₃	L _{B12}
5434	L ₄₆₃₄	L _{B12}
5435	L ₄₆₃₅	L _{B12}
5436	L ₄₆₃₆	L _{B12}
5437	L ₄₆₃₇	L _{B12}
5438	L ₄₆₃₈	L _{B12}
5439	L ₄₆₃₉	L _{B12}
5440	L ₄₆₄₀	L _{B12}
5441	L ₄₆₄₁	L _{B12}
5442	L ₄₆₄₂	L _{B12}
5443	L ₄₆₄₃	L _{B12}
5444	L ₄₆₄₄	L _{B12}
5445	L ₄₆₄₅	L _{B12}
5446	L ₄₆₄₆	L _{B12}
5447	L ₄₆₄₇	L _{B12}
5448	L ₄₆₄₈	L _{B12}
5449	L ₄₆₄₉	L _{B12}
5450	L ₄₆₅₀	L _{B12}
5451	L ₄₆₅₁	L _{B12}
5452	L ₄₆₅₂	L _{B12}
5453	L ₄₆₅₃	L _{B12}
5454	L ₄₆₅₄	L _{B12}
5455	L ₄₆₅₅	L _{B12}
5456	L ₄₆₅₆	L _{B12}
5457	L ₄₆₅₇	L _{B12}
5458	L ₄₆₅₈	L _{B12}
5459	L ₄₆₅₉	L _{B12}
5460	L ₄₆₆₀	L _{B12}
5461	L ₄₆₆₁	L _{B12}
5462	L ₄₆₆₂	L _{B12}
5463	L ₄₆₆₃	L _{B12}
5464	L ₄₆₆₄	L _{B12}
5465	L ₄₆₆₅	L _{B12}
5466	L ₄₆₆₆	L _{B12}
5467	L ₄₆₆₇	L _{B12}
5468	L ₄₆₆₈	L _{B12}
5469	L ₄₆₆₉	L _{B12}
5470	L ₄₆₇₀	L _{B12}
5471	L ₄₆₇₁	L _{B12}
5472	L ₄₆₇₂	L _{B12}
5473	L ₄₆₇₃	L _{B12}
5474	L ₄₆₇₄	L _{B12}
5475	L ₄₆₇₅	L _{B12}
5476	L ₄₆₇₆	L _{B12}
5477	L ₄₆₇₇	L _{B12}
5478	L ₄₆₇₈	L _{B12}
5479	L ₄₆₇₉	L _{B12}
5480	L ₄₆₈₀	L _{B12}
5481	L ₄₆₈₁	L _{B12}
5482	L ₄₆₈₂	L _{B12}
5483	L ₄₆₈₃	L _{B12}
5484	L ₄₆₈₄	L _{B12}
5485	L ₄₆₈₅	L _{B12}
5486	L ₄₆₈₆	L _{B12}
5487	L ₄₆₈₇	L _{B12}
5488	L ₄₆₈₈	L _{B12}
5489	L ₄₆₈₉	L _{B12}
5490	L ₄₆₉₀	L _{B12}
5491	L ₄₆₉₁	L _{B12}
5492	L ₄₆₉₂	L _{B12}
5493	L ₄₆₉₃	L _{B12}
5494	L ₄₆₉₄	L _{B12}
5495	L ₄₆₉₅	L _{B12}
5496	L ₄₆₉₆	L _{B12}
5497	L ₄₆₉₇	L _{B12}
5498	L ₄₆₉₈	L _{B12}

TABLE 2-continued

Compound Number	L _A	L _B
5499	L _{A699}	L _{B12}
5500	L _{A700}	L _{B12}
5501	L _{A701}	L _{B12}
5502	L _{A702}	L _{B12}
5503	L _{A703}	L _{B12}
5504	L _{A704}	L _{B12}
5505	L _{A705}	L _{B12}
5506	L _{A706}	L _{B12}
5507	L _{A707}	L _{B12}
5508	L _{A708}	L _{B12}
5509	L _{A709}	L _{B12}
5510	L _{A710}	L _{B12}
5511	L _{A711}	L _{B12}
5512	L _{A712}	L _{B12}
5513	L _{A713}	L _{B12}
5514	L _{A714}	L _{B12}
5515	L _{A715}	L _{B12}
5516	L _{A716}	L _{B12}
5517	L _{A717}	L _{B12}
5518	L _{A718}	L _{B12}
5519	L _{A719}	L _{B12}
5520	L _{A720}	L _{B12}
5521	L _{A721}	L _{B12}
5522	L _{A722}	L _{B12}
5523	L _{A723}	L _{B12}
5524	L _{A724}	L _{B12}
5525	L _{A725}	L _{B12}
5526	L _{A726}	L _{B12}
5527	L _{A727}	L _{B12}
5528	L _{A728}	L _{B12}
5529	L _{A729}	L _{B12}
5530	L _{A730}	L _{B12}
5531	L _{A731}	L _{B12}
5532	L _{A732}	L _{B12}
5533	L _{A733}	L _{B12}
5534	L _{A734}	L _{B12}
5535	L _{A735}	L _{B12}
5536	L _{A736}	L _{B12}
5537	L _{A737}	L _{B12}
5538	L _{A738}	L _{B12}
5539	L _{A739}	L _{B12}
5540	L _{A740}	L _{B12}
5541	L _{A741}	L _{B12}
5542	L _{A742}	L _{B12}
5543	L _{A743}	L _{B12}
5544	L _{A744}	L _{B12}
5545	L _{A745}	L _{B12}
5546	L _{A746}	L _{B12}
5547	L _{A747}	L _{B12}
5548	L _{A748}	L _{B12}
5549	L _{A749}	L _{B12}
5550	L _{A750}	L _{B12}
5551	L _{A751}	L _{B12}
5552	L _{A752}	L _{B12}
5553	L _{A753}	L _{B12}
5554	L _{A754}	L _{B12}
5555	L _{A755}	L _{B12}
5556	L _{A756}	L _{B12}
5557	L _{A757}	L _{B12}
5558	L _{A758}	L _{B12}
5559	L _{A759}	L _{B12}
5560	L _{A760}	L _{B12}
5561	L _{A761}	L _{B12}
5562	L _{A762}	L _{B12}
5563	L _{A763}	L _{B12}
5564	L _{A764}	L _{B12}
5565	L _{A765}	L _{B12}
5566	L _{A766}	L _{B12}
5567	L _{A767}	L _{B12}
5568	L _{A768}	L _{B12}
5569	L _{A769}	L _{B12}
5570	L _{A770}	L _{B12}
5571	L _{A771}	L _{B12}
5572	L _{A772}	L _{B12}

TABLE 2-continued

Compound Number	L _A	L _B
5573	L _{A773}	L _{B12}
5574	L _{A774}	L _{B12}
5575	L _{A775}	L _{B12}
5576	L _{A776}	L _{B12}
5577	L _{A777}	L _{B12}
5578	L _{A778}	L _{B12}
5579	L _{A779}	L _{B12}
5580	L _{A780}	L _{B12}
5581	L _{A781}	L _{B12}
5582	L _{A782}	L _{B12}
5583	L _{A783}	L _{B12}
5584	L _{A784}	L _{B12}
5585	L _{A785}	L _{B12}
5586	L _{A786}	L _{B12}
5587	L _{A787}	L _{B12}
5588	L _{A788}	L _{B12}
5589	L _{A789}	L _{B12}
5590	L _{A790}	L _{B12}
5591	L _{A791}	L _{B12}
5592	L _{A792}	L _{B12}
5593	L _{A793}	L _{B12}
5594	L _{A794}	L _{B12}
5595	L _{A795}	L _{B12}
5596	L _{A796}	L _{B12}
5597	L _{A797}	L _{B12}
5598	L _{A798}	L _{B12}
5599	L _{A799}	L _{B12}
5600	L _{A800}	L _{B12}
5601	L _{A801}	L _{B12}
5602	L _{A802}	L _{B12}
5603	L _{A803}	L _{B12}
5604	L _{A804}	L _{B12}
5605	L _{A805}	L _{B12}
5606	L _{A806}	L _{B12}
5607	L _{A807}	L _{B12}
5608	L _{A808}	L _{B12}
5609	L _{A809}	L _{B12}
5610	L _{A810}	L _{B12}
5611	L _{A811}	L _{B12}
5612	L _{A812}	L _{B12}
5613	L _{A813}	L _{B12}
5614	L _{A814}	L _{B12}
5615	L _{A815}	L _{B12}
5616	L _{A816}	L _{B12}
5617	L _{A817}	L _{B12}
5618	L _{A818}	L _{B12}
5619	L _{A819}	L _{B12}
5620	L _{A820}	L _{B12}
5621	L _{A821}	L _{B12}
5622	L _{A822}	L _{B12}
5623	L _{A823}	L _{B12}
5624	L _{A824}	L _{B12}
5625	L _{A825}	L _{B12}
5626	L _{A826}	L _{B12}
5627	L _{A827}	L _{B12}
5628	L _{A828}	L _{B12}
5629	L _{A829}	L _{B12}
5630	L _{A830}	L _{B12}
5631	L _{A831}	L _{B12}
5632	L _{A832}	L _{B12}
5633	L _{A833}	L _{B12}
5634	L _{A834}	L _{B12}
5635	L _{A835}	L _{B12}
5636	L _{A836}	L _{B12}
5637	L _{A837}	L _{B12}
5638	L _{A838}	L _{B12}
5639	L _{A839}	L _{B12}
5640	L _{A840}	L _{B12}
5641	L _{A841}	L _{B12}
5642	L _{A842}	L _{B12}
5643	L _{A843}	L _{B12}
5644	L _{A844}	L _{B12}
5645	L _{A845}	L _{B12}
5646	L _{A846}	L _{B12}

TABLE 2-continued

Compound Number	L _A	L _B
5647	L ₄₈₄₇	L _{B12}
5648	L ₄₈₄₈	L _{B12}
5649	L ₄₈₄₉	L _{B12}
5650	L ₄₈₅₀	L _{B12}
5651	L ₄₈₅₁	L _{B12}
5652	L ₄₈₅₂	L _{B12}
5653	L ₄₈₅₃	L _{B12}
5654	L ₄₈₅₄	L _{B12}
5655	L ₄₈₅₅	L _{B12}
5656	L ₄₈₅₆	L _{B12}
5657	L ₄₈₅₇	L _{B12}
5658	L ₄₈₅₈	L _{B12}
5659	L ₄₈₅₉	L _{B12}
5660	L ₄₈₆₀	L _{B12}
5661	L ₄₈₆₁	L _{B12}
5662	L ₄₈₆₂	L _{B12}
5663	L ₄₈₆₃	L _{B12}
5664	L ₄₈₆₄	L _{B12}
5665	L ₄₈₆₅	L _{B12}
5666	L ₄₈₆₆	L _{B12}
5667	L ₄₈₆₇	L _{B12}
5668	L ₄₈₆₈	L _{B12}
5669	L ₄₈₆₉	L _{B12}
5670	L ₄₈₇₀	L _{B12}
5671	L ₄₈₇₁	L _{B12}
5672	L ₄₈₇₂	L _{B12}
5673	L ₄₈₇₃	L _{B12}
5674	L ₄₈₇₄	L _{B12}
5675	L ₄₈₇₅	L _{B12}
5676	L ₄₈₇₆	L _{B12}
5677	L ₄₈₇₇	L _{B12}
5678	L ₄₈₇₈	L _{B12}
5679	L ₄₈₇₉	L _{B12}
5680	L ₄₈₈₀	L _{B12}
5681	L ₄₈₈₁	L _{B12}
5682	L ₄₈₈₂	L _{B12}
5683	L ₄₈₈₃	L _{B12}
5684	L ₄₈₈₄	L _{B12}
5685	L ₄₈₈₅	L _{B12}
5686	L ₄₈₈₆	L _{B12}
5687	L ₄₈₈₇	L _{B12}
5688	L ₄₈₈₈	L _{B12}
5689	L ₄₈₈₉	L _{B12}
5690	L ₄₈₉₀	L _{B12}
5691	L ₄₈₉₁	L _{B12}
5692	L ₄₈₉₂	L _{B12}
5693	L ₄₈₉₃	L _{B12}
5694	L ₄₈₉₄	L _{B12}
5695	L ₄₈₉₅	L _{B12}
5696	L ₄₈₉₆	L _{B12}
5697	L ₄₈₉₇	L _{B12}
5698	L ₄₈₉₈	L _{B12}
5699	L ₄₈₉₉	L _{B12}
5700	L ₄₉₀₀	L _{B12}
5701	L ₄₉₀₁	L _{B12}
5702	L ₄₉₀₂	L _{B12}
5703	L ₄₉₀₃	L _{B12}
5704	L ₄₉₀₄	L _{B12}
5705	L ₄₉₀₅	L _{B12}
5706	L ₄₉₀₆	L _{B12}
5707	L ₄₉₀₇	L _{B12}
5708	L ₄₉₀₈	L _{B12}
5709	L ₄₉₀₉	L _{B12}
5710	L ₄₉₁₀	L _{B12}
5711	L ₄₉₁₁	L _{B12}
5712	L ₄₉₁₂	L _{B12}
5713	L ₄₉₁₃	L _{B12}
5714	L ₄₉₁₄	L _{B12}
5715	L ₄₉₁₅	L _{B12}
5716	L ₄₉₁₆	L _{B12}
5717	L ₄₉₁₇	L _{B12}
5718	L ₄₉₁₈	L _{B12}
5719	L ₄₉₁₉	L _{B12}
5720	L ₄₉₂₀	L _{B12}

TABLE 2-continued

Compound Number	L _A	L _B
5721	L ₄₉₂₁	L _{B12}
5722	L ₄₉₂₂	L _{B12}
5723	L ₄₉₂₃	L _{B12}
5724	L ₄₉₂₄	L _{B12}
5725	L ₄₉₂₅	L _{B12}
5726	L ₄₉₂₆	L _{B12}
5727	L ₄₉₂₇	L _{B12}
5728	L ₄₉₂₈	L _{B12}
5729	L ₄₉₂₉	L _{B12}
5730	L ₄₉₃₀	L _{B12}
5731	L ₄₉₃₁	L _{B12}
5732	L ₄₉₃₂	L _{B12}
5733	L ₄₉₃₃	L _{B12}
5734	L ₄₉₃₄	L _{B12}
5735	L ₄₉₃₅	L _{B12}
5736	L ₄₉₃₆	L _{B12}
5737	L ₄₉₃₇	L _{B12}
5738	L ₄₉₃₈	L _{B12}
5739	L ₄₉₃₉	L _{B12}
5740	L ₄₉₄₀	L _{B12}
5741	L ₄₉₄₁	L _{B12}
5742	L ₄₉₄₂	L _{B12}
5743	L ₄₉₄₃	L _{B12}
5744	L ₄₉₄₄	L _{B12}
5745	L ₄₉₄₅	L _{B12}
5746	L ₄₉₄₆	L _{B12}
5747	L ₄₉₄₇	L _{B12}
5748	L ₄₉₄₈	L _{B12}
5749	L ₄₉₄₉	L _{B12}
5750	L ₄₉₅₀	L _{B12}
5751	L ₄₉₅₁	L _{B12}
5752	L ₄₉₅₂	L _{B12}
5753	L ₄₉₅₃	L _{B12}
5754	L ₄₉₅₄	L _{B12}
5755	L ₄₉₅₅	L _{B12}
5756	L ₄₉₅₆	L _{B12}
5757	L ₄₉₅₇	L _{B12}
5758	L ₄₉₅₈	L _{B12}
5759	L ₄₉₅₉	L _{B12}
5760	L ₄₉₆₀	L _{B12}

[0141] In some embodiments, the compound has formula VI:



[0142] and is selected from the group consisting of compound 5761 to compound 7680 listed in TABLE 3.

TABLE 3

Compound Number	L _A	L _B
5761	L _{A1}	L _{B42}
5762	L _{A2}	L _{B42}
5763	L _{A3}	L _{B42}
5764	L _{A4}	L _{B42}
5765	L _{A5}	L _{B42}
5766	L _{A6}	L _{B42}
5767	L _{A7}	L _{B42}
5768	L _{A8}	L _{B42}
5769	L _{A9}	L _{B42}
5770	L _{A10}	L _{B42}
5771	L _{A11}	L _{B42}
5772	L _{A12}	L _{B42}
5773	L _{A13}	L _{B42}
5774	L _{A14}	L _{B42}
5775	L _{A15}	L _{B42}
5776	L _{A16}	L _{B42}
5777	L _{A17}	L _{B42}
5778	L _{A18}	L _{B42}

TABLE 3-continued

Compound Number	L _A	L _B
5779	L _{A19}	L _{B42}
5780	L _{A20}	L _{B42}
5781	L _{A21}	L _{B42}
5782	L _{A22}	L _{B42}
5783	L _{A23}	L _{B42}
5784	L _{A24}	L _{B42}
5785	L _{A25}	L _{B42}
5786	L _{A26}	L _{B42}
5787	L _{A27}	L _{B42}
5788	L _{A28}	L _{B42}
5789	L _{A29}	L _{B42}
5790	L _{A30}	L _{B42}
5791	L _{A31}	L _{B42}
5792	L _{A32}	L _{B42}
5793	L _{A33}	L _{B42}
5794	L _{A34}	L _{B42}
5795	L _{A35}	L _{B42}
5796	L _{A36}	L _{B42}
5797	L _{A37}	L _{B42}
5798	L _{A38}	L _{B42}
5799	L _{A39}	L _{B42}
5800	L _{A40}	L _{B42}
5801	L _{A41}	L _{B42}
5802	L _{A42}	L _{B42}
5803	L _{A43}	L _{B42}
5804	L _{A44}	L _{B42}
5805	L _{A45}	L _{B42}
5806	L _{A46}	L _{B42}
5807	L _{A47}	L _{B42}
5808	L _{A48}	L _{B42}
5809	L _{A49}	L _{B42}
5810	L _{A50}	L _{B42}
5811	L _{A51}	L _{B42}
5812	L _{A52}	L _{B42}
5813	L _{A53}	L _{B42}
5814	L _{A54}	L _{B42}
5815	L _{A55}	L _{B42}
5816	L _{A56}	L _{B42}
5817	L _{A57}	L _{B42}
5818	L _{A58}	L _{B42}
5819	L _{A59}	L _{B42}
5820	L _{A60}	L _{B42}
5821	L _{A61}	L _{B42}
5822	L _{A62}	L _{B42}
5823	L _{A63}	L _{B42}
5824	L _{A64}	L _{B42}
5825	L _{A65}	L _{B42}
5826	L _{A66}	L _{B42}
5827	L _{A67}	L _{B42}
5828	L _{A68}	L _{B42}
5829	L _{A69}	L _{B42}
5830	L _{A70}	L _{B42}
5831	L _{A71}	L _{B42}
5832	L _{A72}	L _{B42}
5833	L _{A73}	L _{B42}
5834	L _{A74}	L _{B42}
5835	L _{A75}	L _{B42}
5836	L _{A76}	L _{B42}
5837	L _{A77}	L _{B42}
5838	L _{A78}	L _{B42}
5839	L _{A79}	L _{B42}
5840	L _{A80}	L _{B42}
5841	L _{A81}	L _{B42}
5842	L _{A82}	L _{B42}
5843	L _{A83}	L _{B42}
5844	L _{A84}	L _{B42}
5845	L _{A85}	L _{B42}
5846	L _{A86}	L _{B42}
5847	L _{A87}	L _{B42}
5848	L _{A88}	L _{B42}
5849	L _{A89}	L _{B42}
5850	L _{A90}	L _{B42}
5851	L _{A91}	L _{B42}
5852	L _{A92}	L _{B42}

TABLE 3-continued

Compound Number	L _A	L _B
5853	L _{A93}	L _{B42}
5854	L _{A94}	L _{B42}
5855	L _{A95}	L _{B42}
5856	L _{A96}	L _{B42}
5857	L _{A97}	L _{B42}
5858	L _{A98}	L _{B42}
5859	L _{A99}	L _{B42}
5860	L _{A100}	L _{B42}
5861	L _{A101}	L _{B42}
5862	L _{A102}	L _{B42}
5863	L _{A103}	L _{B42}
5864	L _{A104}	L _{B42}
5865	L _{A105}	L _{B42}
5866	L _{A106}	L _{B42}
5867	L _{A107}	L _{B42}
5868	L _{A108}	L _{B42}
5869	L _{A109}	L _{B42}
5870	L _{A110}	L _{B42}
5871	L _{A111}	L _{B42}
5872	L _{A112}	L _{B42}
5873	L _{A113}	L _{B42}
5874	L _{A114}	L _{B42}
5875	L _{A115}	L _{B42}
5876	L _{A116}	L _{B42}
5877	L _{A117}	L _{B42}
5878	L _{A118}	L _{B42}
5879	L _{A119}	L _{B42}
5880	L _{A120}	L _{B42}
5881	L _{A121}	L _{B42}
5882	L _{A122}	L _{B42}
5883	L _{A123}	L _{B42}
5884	L _{A124}	L _{B42}
5885	L _{A125}	L _{B42}
5886	L _{A126}	L _{B42}
5887	L _{A127}	L _{B42}
5888	L _{A128}	L _{B42}
5889	L _{A129}	L _{B42}
5890	L _{A130}	L _{B42}
5891	L _{A131}	L _{B42}
5892	L _{A132}	L _{B42}
5893	L _{A133}	L _{B42}
5894	L _{A134}	L _{B42}
5895	L _{A135}	L _{B42}
5896	L _{A136}	L _{B42}
5897	L _{A137}	L _{B42}
5898	L _{A138}	L _{B42}
5899	L _{A139}	L _{B42}
5900	L _{A140}	L _{B42}
5901	L _{A141}	L _{B42}
5902	L _{A142}	L _{B42}
5903	L _{A143}	L _{B42}
5904	L _{A144}	L _{B42}
5905	L _{A145}	L _{B42}
5906	L _{A146}	L _{B42}
5907	L _{A147}	L _{B42}
5908	L _{A148}	L _{B42}
5909	L _{A149}	L _{B42}
5910	L _{A150}	L _{B42}
5911	L _{A151}	L _{B42}
5912	L _{A152}	L _{B42}
5913	L _{A153}	L _{B42}
5914	L _{A154}	L _{B42}
5915	L _{A155}	L _{B42}
5916	L _{A156}	L _{B42}
5917	L _{A157}	L _{B42}
5918	L _{A158}	L _{B42}
5919	L _{A159}	L _{B42}
5920	L _{A160}	L _{B42}
5921	L _{A161}	L _{B42}
5922	L _{A162}	L _{B42}
5923	L _{A163}	L _{B42}
5924	L _{A164}	L _{B42}
5925	L _{A165}	L _{B42}
5926	L _{A166}	L _{B42}

TABLE 3-continued

Compound Number	L _A	L _B
5927	L _{A167}	L _{B42}
5928	L _{A168}	L _{B42}
5929	L _{A169}	L _{B42}
5930	L _{A170}	L _{B42}
5931	L _{A171}	L _{B42}
5932	L _{A172}	L _{B42}
5933	L _{A173}	L _{B42}
5934	L _{A174}	L _{B42}
5935	L _{A175}	L _{B42}
5936	L _{A176}	L _{B42}
5937	L _{A177}	L _{B42}
5938	L _{A178}	L _{B42}
5939	L _{A179}	L _{B42}
5940	L _{A180}	L _{B42}
5941	L _{A181}	L _{B42}
5942	L _{A182}	L _{B42}
5943	L _{A183}	L _{B42}
5944	L _{A184}	L _{B42}
5945	L _{A185}	L _{B42}
5946	L _{A186}	L _{B42}
5947	L _{A187}	L _{B42}
5948	L _{A188}	L _{B42}
5949	L _{A189}	L _{B42}
5950	L _{A190}	L _{B42}
5951	L _{A191}	L _{B42}
5952	L _{A192}	L _{B42}
5953	L _{A193}	L _{B42}
5954	L _{A194}	L _{B42}
5955	L _{A195}	L _{B42}
5956	L _{A196}	L _{B42}
5957	L _{A197}	L _{B42}
5958	L _{A198}	L _{B42}
5959	L _{A199}	L _{B42}
5960	L _{A200}	L _{B42}
5961	L _{A201}	L _{B42}
5962	L _{A202}	L _{B42}
5963	L _{A203}	L _{B42}
5964	L _{A204}	L _{B42}
5965	L _{A205}	L _{B42}
5966	L _{A206}	L _{B42}
5967	L _{A207}	L _{B42}
5968	L _{A208}	L _{B42}
5969	L _{A209}	L _{B42}
5970	L _{A210}	L _{B42}
5971	L _{A211}	L _{B42}
5972	L _{A212}	L _{B42}
5973	L _{A213}	L _{B42}
5974	L _{A214}	L _{B42}
5975	L _{A215}	L _{B42}
5976	L _{A216}	L _{B42}
5977	L _{A217}	L _{B42}
5978	L _{A218}	L _{B42}
5979	L _{A219}	L _{B42}
5980	L _{A220}	L _{B42}
5981	L _{A221}	L _{B42}
5982	L _{A222}	L _{B42}
5983	L _{A223}	L _{B42}
5984	L _{A224}	L _{B42}
5985	L _{A225}	L _{B42}
5986	L _{A226}	L _{B42}
5987	L _{A227}	L _{B42}
5988	L _{A228}	L _{B42}
5989	L _{A229}	L _{B42}
5990	L _{A230}	L _{B42}
5991	L _{A231}	L _{B42}
5992	L _{A232}	L _{B42}
5993	L _{A233}	L _{B42}
5994	L _{A234}	L _{B42}
5995	L _{A235}	L _{B42}
5996	L _{A236}	L _{B42}
5997	L _{A237}	L _{B42}
5998	L _{A238}	L _{B42}
5999	L _{A239}	L _{B42}
6000	L _{A240}	L _{B42}

TABLE 3-continued

Compound Number	L _A	L _B
6001	L _{A241}	L _{B42}
6002	L _{A242}	L _{B42}
6003	L _{A243}	L _{B42}
6004	L _{A244}	L _{B42}
6005	L _{A245}	L _{B42}
6006	L _{A246}	L _{B42}
6007	L _{A247}	L _{B42}
6008	L _{A248}	L _{B42}
6009	L _{A249}	L _{B42}
6010	L _{A250}	L _{B42}
6011	L _{A251}	L _{B42}
6012	L _{A252}	L _{B42}
6013	L _{A253}	L _{B42}
6014	L _{A254}	L _{B42}
6015	L _{A255}	L _{B42}
6016	L _{A256}	L _{B42}
6017	L _{A257}	L _{B42}
6018	L _{A258}	L _{B42}
6019	L _{A259}	L _{B42}
6020	L _{A260}	L _{B42}
6021	L _{A261}	L _{B42}
6022	L _{A262}	L _{B42}
6023	L _{A263}	L _{B42}
6024	L _{A264}	L _{B42}
6025	L _{A265}	L _{B42}
6026	L _{A266}	L _{B42}
6027	L _{A267}	L _{B42}
6028	L _{A268}	L _{B42}
6029	L _{A269}	L _{B42}
6030	L _{A270}	L _{B42}
6031	L _{A271}	L _{B42}
6032	L _{A272}	L _{B42}
6033	L _{A273}	L _{B42}
6034	L _{A274}	L _{B42}
6035	L _{A275}	L _{B42}
6036	L _{A276}	L _{B42}
6037	L _{A277}	L _{B42}
6038	L _{A278}	L _{B42}
6039	L _{A279}	L _{B42}
6040	L _{A280}	L _{B42}
6041	L _{A281}	L _{B42}
6042	L _{A282}	L _{B42}
6043	L _{A283}	L _{B42}
6044	L _{A284}	L _{B42}
6045	L _{A285}	L _{B42}
6046	L _{A286}	L _{B42}
6047	L _{A287}	L _{B42}
6048	L _{A288}	L _{B42}
6049	L _{A289}	L _{B42}
6050	L _{A290}	L _{B42}
6051	L _{A291}	L _{B42}
6052	L _{A292}	L _{B42}
6053	L _{A293}	L _{B42}
6054	L _{A294}	L _{B42}
6055	L _{A295}	L _{B42}
6056	L _{A296}	L _{B42}
6057	L _{A297}	L _{B42}
6058	L _{A298}	L _{B42}
6059	L _{A299}	L _{B42}
6060	L _{A300}	L _{B42}
6061	L _{A301}	L _{B42}
6062	L _{A302}	L _{B42}
6063	L _{A303}	L _{B42}
6064	L _{A304}	L _{B42}
6065	L _{A305}	L _{B42}
6066	L _{A306}	L _{B42}
6067	L _{A307}	L _{B42}
6068	L _{A308}	L _{B42}
6069	L _{A309}	L _{B42}
6070	L _{A310}	L _{B42}
6071	L _{A311}	L _{B42}
6072	L _{A312}	L _{B42}
6073	L _{A313}	L _{B42}
6074	L _{A314}	L _{B42}

TABLE 3-continued

Compound Number	L _A	L _B
6075	L _{A315}	L _{B42}
6076	L _{A316}	L _{B42}
6077	L _{A317}	L _{B42}
6078	L _{A318}	L _{B42}
6079	L _{A319}	L _{B42}
6080	L _{A320}	L _{B42}
6081	L _{A321}	L _{B42}
6082	L _{A322}	L _{B42}
6083	L _{A323}	L _{B42}
6084	L _{A324}	L _{B42}
6085	L _{A325}	L _{B42}
6086	L _{A326}	L _{B42}
6087	L _{A327}	L _{B42}
6088	L _{A328}	L _{B42}
6089	L _{A329}	L _{B42}
6090	L _{A330}	L _{B42}
6091	L _{A331}	L _{B42}
6092	L _{A332}	L _{B42}
6093	L _{A333}	L _{B42}
6094	L _{A334}	L _{B42}
6095	L _{A335}	L _{B42}
6096	L _{A336}	L _{B42}
6097	L _{A337}	L _{B42}
6098	L _{A338}	L _{B42}
6099	L _{A339}	L _{B42}
6100	L _{A340}	L _{B42}
6101	L _{A341}	L _{B42}
6102	L _{A342}	L _{B42}
6103	L _{A343}	L _{B42}
6104	L _{A344}	L _{B42}
6105	L _{A345}	L _{B42}
6106	L _{A346}	L _{B42}
6107	L _{A347}	L _{B42}
6108	L _{A348}	L _{B42}
6109	L _{A349}	L _{B42}
6110	L _{A350}	L _{B42}
6111	L _{A351}	L _{B42}
6112	L _{A352}	L _{B42}
6113	L _{A353}	L _{B42}
6114	L _{A354}	L _{B42}
6115	L _{A355}	L _{B42}
6116	L _{A356}	L _{B42}
6117	L _{A357}	L _{B42}
6118	L _{A358}	L _{B42}
6119	L _{A359}	L _{B42}
6120	L _{A360}	L _{B42}
6121	L _{A361}	L _{B42}
6122	L _{A362}	L _{B42}
6123	L _{A363}	L _{B42}
6124	L _{A364}	L _{B42}
6125	L _{A365}	L _{B42}
6126	L _{A366}	L _{B42}
6127	L _{A367}	L _{B42}
6128	L _{A368}	L _{B42}
6129	L _{A369}	L _{B42}
6130	L _{A370}	L _{B42}
6131	L _{A371}	L _{B42}
6132	L _{A372}	L _{B42}
6133	L _{A373}	L _{B42}
6134	L _{A374}	L _{B42}
6135	L _{A375}	L _{B42}
6136	L _{A376}	L _{B42}
6137	L _{A377}	L _{B42}
6138	L _{A378}	L _{B42}
6139	L _{A379}	L _{B42}
6140	L _{A380}	L _{B42}
6141	L _{A381}	L _{B42}
6142	L _{A382}	L _{B42}
6143	L _{A383}	L _{B42}
6144	L _{A384}	L _{B42}
6145	L _{A385}	L _{B42}
6146	L _{A386}	L _{B42}
6147	L _{A387}	L _{B42}
6148	L _{A388}	L _{B42}

TABLE 3-continued

Compound Number	L _A	L _B
6149	L _{A389}	L _{B42}
6150	L _{A390}	L _{B42}
6151	L _{A391}	L _{B42}
6152	L _{A392}	L _{B42}
6153	L _{A393}	L _{B42}
6154	L _{A394}	L _{B42}
6155	L _{A395}	L _{B42}
6156	L _{A396}	L _{B42}
6157	L _{A397}	L _{B42}
6158	L _{A398}	L _{B42}
6159	L _{A399}	L _{B42}
6160	L _{A400}	L _{B42}
6161	L _{A401}	L _{B42}
6162	L _{A402}	L _{B42}
6163	L _{A403}	L _{B42}
6164	L _{A404}	L _{B42}
6165	L _{A405}	L _{B42}
6166	L _{A406}	L _{B42}
6167	L _{A407}	L _{B42}
6168	L _{A408}	L _{B42}
6169	L _{A409}	L _{B42}
6170	L _{A410}	L _{B42}
6171	L _{A411}	L _{B42}
6172	L _{A412}	L _{B42}
6173	L _{A413}	L _{B42}
6174	L _{A414}	L _{B42}
6175	L _{A415}	L _{B42}
6176	L _{A416}	L _{B42}
6177	L _{A417}	L _{B42}
6178	L _{A418}	L _{B42}
6179	L _{A419}	L _{B42}
6180	L _{A420}	L _{B42}
6181	L _{A421}	L _{B42}
6182	L _{A422}	L _{B42}
6183	L _{A423}	L _{B42}
6184	L _{A424}	L _{B42}
6185	L _{A425}	L _{B42}
6186	L _{A426}	L _{B42}
6187	L _{A427}	L _{B42}
6188	L _{A428}	L _{B42}
6189	L _{A429}	L _{B42}
6190	L _{A430}	L _{B42}
6191	L _{A431}	L _{B42}
6192	L _{A432}	L _{B42}
6193	L _{A433}	L _{B42}
6194	L _{A434}	L _{B42}
6195	L _{A435}	L _{B42}
6196	L _{A436}	L _{B42}
6197	L _{A437}	L _{B42}
6198	L _{A438}	L _{B42}
6199	L _{A439}	L _{B42}
6200	L _{A440}	L _{B42}
6201	L _{A441}	L _{B42}
6202	L _{A442}	L _{B42}
6203	L _{A443}	L _{B42}
6204	L _{A444}	L _{B42}
6205	L _{A445}	L _{B42}
6206	L _{A446}	L _{B42}
6207	L _{A447}	L _{B42}
6208	L _{A448}	L _{B42}
6209	L _{A449}	L _{B42}
6210	L _{A450}	L _{B42}
6211	L _{A451}	L _{B42}
6212	L _{A452}	L _{B42}
6213	L _{A453}	L _{B42}
6214	L _{A454}	L _{B42}
6215	L _{A455}	L _{B42}
6216	L _{A456}	L _{B42}
6217	L _{A457}	L _{B42}
6218	L _{A458}	L _{B42}
6219	L _{A459}	L _{B42}
6220	L _{A460}	L _{B42}
6221	L _{A461}	L _{B42}
6222	L _{A462}	L _{B42}

TABLE 3-continued

Compound Number	L _A	L _B
6223	L _{A463}	L _{B42}
6224	L _{A464}	L _{B42}
6225	L _{A465}	L _{B42}
6226	L _{A466}	L _{B42}
6227	L _{A467}	L _{B42}
6228	L _{A468}	L _{B42}
6229	L _{A469}	L _{B42}
6230	L _{A470}	L _{B42}
6231	L _{A471}	L _{B42}
6232	L _{A472}	L _{B42}
6233	L _{A473}	L _{B42}
6234	L _{A474}	L _{B42}
6235	L _{A475}	L _{B42}
6236	L _{A476}	L _{B42}
6237	L _{A477}	L _{B42}
6238	L _{A478}	L _{B42}
6239	L _{A479}	L _{B42}
6240	L _{A480}	L _{B42}
6241	L _{A481}	L _{B42}
6242	L _{A482}	L _{B42}
6243	L _{A483}	L _{B42}
6244	L _{A484}	L _{B42}
6245	L _{A485}	L _{B42}
6246	L _{A486}	L _{B42}
6247	L _{A487}	L _{B42}
6248	L _{A488}	L _{B42}
6249	L _{A489}	L _{B42}
6250	L _{A490}	L _{B42}
6251	L _{A491}	L _{B42}
6252	L _{A492}	L _{B42}
6253	L _{A493}	L _{B42}
6254	L _{A494}	L _{B42}
6255	L _{A495}	L _{B42}
6256	L _{A496}	L _{B42}
6257	L _{A497}	L _{B42}
6258	L _{A498}	L _{B42}
6259	L _{A499}	L _{B42}
6260	L _{A500}	L _{B42}
6261	L _{A501}	L _{B42}
6262	L _{A502}	L _{B42}
6263	L _{A503}	L _{B42}
6264	L _{A504}	L _{B42}
6265	L _{A505}	L _{B42}
6266	L _{A506}	L _{B42}
6267	L _{A507}	L _{B42}
6268	L _{A508}	L _{B42}
6269	L _{A509}	L _{B42}
6270	L _{A510}	L _{B42}
6271	L _{A511}	L _{B42}
6272	L _{A512}	L _{B42}
6273	L _{A513}	L _{B42}
6274	L _{A514}	L _{B42}
6275	L _{A515}	L _{B42}
6276	L _{A516}	L _{B42}
6277	L _{A517}	L _{B42}
6278	L _{A518}	L _{B42}
6279	L _{A519}	L _{B42}
6280	L _{A520}	L _{B42}
6281	L _{A521}	L _{B42}
6282	L _{A522}	L _{B42}
6283	L _{A523}	L _{B42}
6284	L _{A524}	L _{B42}
6285	L _{A525}	L _{B42}
6286	L _{A526}	L _{B42}
6287	L _{A527}	L _{B42}
6288	L _{A528}	L _{B42}
6289	L _{A529}	L _{B42}
6290	L _{A530}	L _{B42}
6291	L _{A531}	L _{B42}
6292	L _{A532}	L _{B42}
6293	L _{A533}	L _{B42}
6294	L _{A534}	L _{B42}
6295	L _{A535}	L _{B42}
6296	L _{A536}	L _{B42}

TABLE 3-continued

Compound Number	L _A	L _B
6297	L _{A537}	L _{B42}
6298	L _{A538}	L _{B42}
6299	L _{A539}	L _{B42}
6300	L _{A540}	L _{B42}
6301	L _{A541}	L _{B42}
6302	L _{A542}	L _{B42}
6303	L _{A543}	L _{B42}
6304	L _{A544}	L _{B42}
6305	L _{A545}	L _{B42}
6306	L _{A546}	L _{B42}
6307	L _{A547}	L _{B42}
6308	L _{A548}	L _{B42}
6309	L _{A549}	L _{B42}
6310	L _{A550}	L _{B42}
6311	L _{A551}	L _{B42}
6312	L _{A552}	L _{B42}
6313	L _{A553}	L _{B42}
6314	L _{A554}	L _{B42}
6315	L _{A555}	L _{B42}
6316	L _{A556}	L _{B42}
6317	L _{A557}	L _{B42}
6318	L _{A558}	L _{B42}
6319	L _{A559}	L _{B42}
6320	L _{A560}	L _{B42}
6321	L _{A561}	L _{B42}
6322	L _{A562}	L _{B42}
6323	L _{A563}	L _{B42}
6324	L _{A564}	L _{B42}
6325	L _{A565}	L _{B42}
6326	L _{A566}	L _{B42}
6327	L _{A567}	L _{B42}
6328	L _{A568}	L _{B42}
6329	L _{A569}	L _{B42}
6330	L _{A570}	L _{B42}
6331	L _{A571}	L _{B42}
6332	L _{A572}	L _{B42}
6333	L _{A573}	L _{B42}
6334	L _{A574}	L _{B42}
6335	L _{A575}	L _{B42}
6336	L _{A576}	L _{B42}
6337	L _{A577}	L _{B42}
6338	L _{A578}	L _{B42}
6339	L _{A579}	L _{B42}
6340	L _{A580}	L _{B42}
6341	L _{A581}	L _{B42}
6342	L _{A582}	L _{B42}
6343	L _{A583}	L _{B42}
6344	L _{A584}	L _{B42}
6345	L _{A585}	L _{B42}
6346	L _{A586}	L _{B42}
6347	L _{A587}	L _{B42}
6348	L _{A588}	L _{B42}
6349	L _{A589}	L _{B42}
6350	L _{A590}	L _{B42}
6351	L _{A591}	L _{B42}
6352	L _{A592}	L _{B42}
6353	L _{A593}	L _{B42}
6354	L _{A594}	L _{B42}
6355	L _{A595}	L _{B42}
6356	L _{A596}	L _{B42}
6357	L _{A597}	L _{B42}
6358	L _{A598}	L _{B42}
6359	L _{A599}	L _{B42}
6360	L _{A600}	L _{B42}
6361	L _{A601}	L _{B42}
6362	L _{A602}	L _{B42}
6363	L _{A603}	L _{B42}
6364	L _{A604}	L _{B42}
6365	L _{A605}	L _{B42}
6366	L _{A606}	L _{B42}
6367	L _{A607}	L _{B42}
6368	L _{A608}	L _{B42}
6369	L _{A609}	L _{B42}
6370	L _{A610}	L _{B42}

TABLE 3-continued

Compound Number	L _A	L _B
6371	L _{A611}	L _{B42}
6372	L _{A612}	L _{B42}
6373	L _{A613}	L _{B42}
6374	L _{A614}	L _{B42}
6375	L _{A615}	L _{B42}
6376	L _{A616}	L _{B42}
6377	L _{A617}	L _{B42}
6378	L _{A618}	L _{B42}
6379	L _{A619}	L _{B42}
6380	L _{A620}	L _{B42}
6381	L _{A621}	L _{B42}
6382	L _{A622}	L _{B42}
6383	L _{A623}	L _{B42}
6384	L _{A624}	L _{B42}
6385	L _{A625}	L _{B42}
6386	L _{A626}	L _{B42}
6387	L _{A627}	L _{B42}
6388	L _{A628}	L _{B42}
6389	L _{A629}	L _{B42}
6390	L _{A630}	L _{B42}
6391	L _{A631}	L _{B42}
6392	L _{A632}	L _{B42}
6393	L _{A633}	L _{B42}
6394	L _{A634}	L _{B42}
6395	L _{A635}	L _{B42}
6396	L _{A636}	L _{B42}
6397	L _{A637}	L _{B42}
6398	L _{A638}	L _{B42}
6399	L _{A639}	L _{B42}
6400	L _{A640}	L _{B42}
6401	L _{A641}	L _{B42}
6402	L _{A642}	L _{B42}
6403	L _{A643}	L _{B42}
6404	L _{A644}	L _{B42}
6405	L _{A645}	L _{B42}
6406	L _{A646}	L _{B42}
6407	L _{A647}	L _{B42}
6408	L _{A648}	L _{B42}
6409	L _{A649}	L _{B42}
6410	L _{A650}	L _{B42}
6411	L _{A651}	L _{B42}
6412	L _{A652}	L _{B42}
6413	L _{A653}	L _{B42}
6414	L _{A654}	L _{B42}
6415	L _{A655}	L _{B42}
6416	L _{A656}	L _{B42}
6417	L _{A657}	L _{B42}
6418	L _{A658}	L _{B42}
6419	L _{A659}	L _{B42}
6420	L _{A660}	L _{B42}
6421	L _{A661}	L _{B42}
6422	L _{A662}	L _{B42}
6423	L _{A663}	L _{B42}
6424	L _{A664}	L _{B42}
6425	L _{A665}	L _{B42}
6426	L _{A666}	L _{B42}
6427	L _{A667}	L _{B42}
6428	L _{A668}	L _{B42}
6429	L _{A669}	L _{B42}
6430	L _{A670}	L _{B42}
6431	L _{A671}	L _{B42}
6432	L _{A672}	L _{B42}
6433	L _{A673}	L _{B42}
6434	L _{A674}	L _{B42}
6435	L _{A675}	L _{B42}
6436	L _{A676}	L _{B42}
6437	L _{A677}	L _{B42}
6438	L _{A678}	L _{B42}
6439	L _{A679}	L _{B42}
6440	L _{A680}	L _{B42}
6441	L _{A681}	L _{B42}
6442	L _{A682}	L _{B42}
6443	L _{A683}	L _{B42}
6444	L _{A684}	L _{B42}

TABLE 3-continued

Compound Number	L _A	L _B
6445	L _{A685}	L _{B42}
6446	L _{A686}	L _{B42}
6447	L _{A687}	L _{B42}
6448	L _{A688}	L _{B42}
6449	L _{A689}	L _{B42}
6450	L _{A690}	L _{B42}
6451	L _{A691}	L _{B42}
6452	L _{A692}	L _{B42}
6453	L _{A693}	L _{B42}
6454	L _{A694}	L _{B42}
6455	L _{A695}	L _{B42}
6456	L _{A696}	L _{B42}
6457	L _{A697}	L _{B42}
6458	L _{A698}	L _{B42}
6459	L _{A699}	L _{B42}
6460	L _{A700}	L _{B42}
6461	L _{A701}	L _{B42}
6462	L _{A702}	L _{B42}
6463	L _{A703}	L _{B42}
6464	L _{A704}	L _{B42}
6465	L _{A705}	L _{B42}
6466	L _{A706}	L _{B42}
6467	L _{A707}	L _{B42}
6468	L _{A708}	L _{B42}
6469	L _{A709}	L _{B42}
6470	L _{A710}	L _{B42}
6471	L _{A711}	L _{B42}
6472	L _{A712}	L _{B42}
6473	L _{A713}	L _{B42}
6474	L _{A714}	L _{B42}
6475	L _{A715}	L _{B42}
6476	L _{A716}	L _{B42}
6477	L _{A717}	L _{B42}
6478	L _{A718}	L _{B42}
6479	L _{A719}	L _{B42}
6480	L _{A720}	L _{B42}
6481	L _{A721}	L _{B42}
6482	L _{A722}	L _{B42}
6483	L _{A723}	L _{B42}
6484	L _{A724}	L _{B42}
6485	L _{A725}	L _{B42}
6486	L _{A726}	L _{B42}
6487	L _{A727}	L _{B42}
6488	L _{A728}	L _{B42}
6489	L _{A729}	L _{B42}
6490	L _{A730}	L _{B42}
6491	L _{A731}	L _{B42}
6492	L _{A732}	L _{B42}
6493	L _{A733}	L _{B42}
6494	L _{A734}	L _{B42}
6495	L _{A735}	L _{B42}
6496	L _{A736}	L _{B42}
6497	L _{A737}	L _{B42}
6498	L _{A738}	L _{B42}
6499	L _{A739}	L _{B42}
6500	L _{A740}	L _{B42}
6501	L _{A741}	L _{B42}
6502	L _{A742}	L _{B42}
6503	L _{A743}	L _{B42}
6504	L _{A744}	L _{B42}
6505	L _{A745}	L _{B42}
6506	L _{A746}	L _{B42}
6507	L _{A747}	L _{B42}
6508	L _{A748}	L _{B42}
6509	L _{A749}	L _{B42}
6510	L _{A750}	L _{B42}
6511	L _{A751}	L _{B42}
6512	L _{A752}	L _{B42}
6513	L _{A753}	L _{B42}
6514	L _{A754}	L _{B42}
6515	L _{A755}	L _{B42}
6516	L _{A756}	L _{B42}
6517	L _{A757}	L _{B42}
6518	L _{A758}	L _{B42}

TABLE 3-continued

Compound Number	L _A	L _B
6519	L _{A759}	L _{B42}
6520	L _{A760}	L _{B42}
6521	L _{A761}	L _{B42}
6522	L _{A762}	L _{B42}
6523	L _{A763}	L _{B42}
6524	L _{A764}	L _{B42}
6525	L _{A765}	L _{B42}
6526	L _{A766}	L _{B42}
6527	L _{A767}	L _{B42}
6528	L _{A768}	L _{B42}
6529	L _{A769}	L _{B42}
6530	L _{A770}	L _{B42}
6531	L _{A771}	L _{B42}
6532	L _{A772}	L _{B42}
6533	L _{A773}	L _{B42}
6534	L _{A774}	L _{B42}
6535	L _{A775}	L _{B42}
6536	L _{A776}	L _{B42}
6537	L _{A777}	L _{B42}
6538	L _{A778}	L _{B42}
6539	L _{A779}	L _{B42}
6540	L _{A780}	L _{B42}
6541	L _{A781}	L _{B42}
6542	L _{A782}	L _{B42}
6543	L _{A783}	L _{B42}
6544	L _{A784}	L _{B42}
6545	L _{A785}	L _{B42}
6546	L _{A786}	L _{B42}
6547	L _{A787}	L _{B42}
6548	L _{A788}	L _{B42}
6549	L _{A789}	L _{B42}
6550	L _{A790}	L _{B42}
6551	L _{A791}	L _{B42}
6552	L _{A792}	L _{B42}
6553	L _{A793}	L _{B42}
6554	L _{A794}	L _{B42}
6555	L _{A795}	L _{B42}
6556	L _{A796}	L _{B42}
6557	L _{A797}	L _{B42}
6558	L _{A798}	L _{B42}
6559	L _{A799}	L _{B42}
6560	L _{A800}	L _{B42}
6561	L _{A801}	L _{B42}
6562	L _{A802}	L _{B42}
6563	L _{A803}	L _{B42}
6564	L _{A804}	L _{B42}
6565	L _{A805}	L _{B42}
6566	L _{A806}	L _{B42}
6567	L _{A807}	L _{B42}
6568	L _{A808}	L _{B42}
6569	L _{A809}	L _{B42}
6570	L _{A810}	L _{B42}
6571	L _{A811}	L _{B42}
6572	L _{A812}	L _{B42}
6573	L _{A813}	L _{B42}
6574	L _{A814}	L _{B42}
6575	L _{A815}	L _{B42}
6576	L _{A816}	L _{B42}
6577	L _{A817}	L _{B42}
6578	L _{A818}	L _{B42}
6579	L _{A819}	L _{B42}
6580	L _{A820}	L _{B42}
6581	L _{A821}	L _{B42}
6582	L _{A822}	L _{B42}
6583	L _{A823}	L _{B42}
6584	L _{A824}	L _{B42}
6585	L _{A825}	L _{B42}
6586	L _{A826}	L _{B42}
6587	L _{A827}	L _{B42}
6588	L _{A828}	L _{B42}
6589	L _{A829}	L _{B42}
6590	L _{A830}	L _{B42}
6591	L _{A831}	L _{B42}
6592	L _{A832}	L _{B42}

TABLE 3-continued

Compound Number	L _A	L _B
6593	L _{A833}	L _{B42}
6594	L _{A834}	L _{B42}
6595	L _{A835}	L _{B42}
6596	L _{A836}	L _{B42}
6597	L _{A837}	L _{B42}
6598	L _{A838}	L _{B42}
6599	L _{A839}	L _{B42}
6600	L _{A840}	L _{B42}
6601	L _{A841}	L _{B42}
6602	L _{A842}	L _{B42}
6603	L _{A843}	L _{B42}
6604	L _{A844}	L _{B42}
6605	L _{A845}	L _{B42}
6606	L _{A846}	L _{B42}
6607	L _{A847}	L _{B42}
6608	L _{A848}	L _{B42}
6609	L _{A849}	L _{B42}
6610	L _{A850}	L _{B42}
6611	L _{A851}	L _{B42}
6612	L _{A852}	L _{B42}
6613	L _{A853}	L _{B42}
6614	L _{A854}	L _{B42}
6615	L _{A855}	L _{B42}
6616	L _{A856}	L _{B42}
6617	L _{A857}	L _{B42}
6618	L _{A858}	L _{B42}
6619	L _{A859}	L _{B42}
6620	L _{A860}	L _{B42}
6621	L _{A861}	L _{B42}
6622	L _{A862}	L _{B42}
6623	L _{A863}	L _{B42}
6624	L _{A864}	L _{B42}
6625	L _{A865}	L _{B42}
6626	L _{A866}	L _{B42}
6627	L _{A867}	L _{B42}
6628	L _{A868}	L _{B42}
6629	L _{A869}	L _{B42}
6630	L _{A870}	L _{B42}
6631	L _{A871}	L _{B42}
6632	L _{A872}	L _{B42}
6633	L _{A873}	L _{B42}
6634	L _{A874}	L _{B42}
6635	L _{A875}	L _{B42}
6636	L _{A876}	L _{B42}
6637	L _{A877}	L _{B42}
6638	L _{A878}	L _{B42}
6639	L _{A879}	L _{B42}
6640	L _{A880}	L _{B42}
6641	L _{A881}	L _{B42}
6642	L _{A882}	L _{B42}
6643	L _{A883}	L _{B42}
6644	L _{A884}	L _{B42}
6645	L _{A885}	L _{B42}
6646	L _{A886}	L _{B42}
6647	L _{A887}	L _{B42}
6648	L _{A888}	L _{B42}
6649	L _{A889}	L _{B42}
6650	L _{A890}	L _{B42}
6651	L _{A891}	L _{B42}
6652	L _{A892}	L _{B42}
6653	L _{A893}	L _{B42}
6654	L _{A894}	L _{B42}
6655	L _{A895}	L _{B42}
6656	L _{A896}	L _{B42}
6657	L _{A897}	L _{B42}
6658	L _{A898}	L _{B42}
6659	L _{A899}	L _{B42}
6660	L _{A900}	L _{B42}
6661	L _{A901}	L _{B42}
6662	L _{A902}	L _{B42}
6663	L _{A903}	L _{B42}
6664	L _{A904}	L _{B42}
6665	L _{A905}	L _{B42}
6666	L _{A906}	L _{B42}

TABLE 3-continued

Compound Number	L _A	L _B
6667	L _{A907}	L _{B42}
6668	L _{A908}	L _{B42}
6669	L _{A909}	L _{B42}
6670	L _{A910}	L _{B42}
6671	L _{A911}	L _{B42}
6672	L _{A912}	L _{B42}
6673	L _{A913}	L _{B42}
6674	L _{A914}	L _{B42}
6675	L _{A915}	L _{B42}
6676	L _{A916}	L _{B42}
6677	L _{A917}	L _{B42}
6678	L _{A918}	L _{B42}
6679	L _{A919}	L _{B42}
6680	L _{A920}	L _{B42}
6681	L _{A921}	L _{B42}
6682	L _{A922}	L _{B42}
6683	L _{A923}	L _{B42}
6684	L _{A924}	L _{B42}
6685	L _{A925}	L _{B42}
6686	L _{A926}	L _{B42}
6687	L _{A927}	L _{B42}
6688	L _{A928}	L _{B42}
6689	L _{A929}	L _{B42}
6690	L _{A930}	L _{B42}
6691	L _{A931}	L _{B42}
6692	L _{A932}	L _{B42}
6693	L _{A933}	L _{B42}
6694	L _{A934}	L _{B42}
6695	L _{A935}	L _{B42}
6696	L _{A936}	L _{B42}
6697	L _{A937}	L _{B42}
6698	L _{A938}	L _{B42}
6699	L _{A939}	L _{B42}
6700	L _{A940}	L _{B42}
6701	L _{A941}	L _{B42}
6702	L _{A942}	L _{B42}
6703	L _{A943}	L _{B42}
6704	L _{A944}	L _{B42}
6705	L _{A945}	L _{B42}
6706	L _{A946}	L _{B42}
6707	L _{A947}	L _{B42}
6708	L _{A948}	L _{B42}
6709	L _{A949}	L _{B42}
6710	L _{A950}	L _{B42}
6711	L _{A951}	L _{B42}
6712	L _{A952}	L _{B42}
6713	L _{A953}	L _{B42}
6714	L _{A954}	L _{B42}
6715	L _{A955}	L _{B42}
6716	L _{A956}	L _{B42}
6717	L _{A957}	L _{B42}
6718	L _{A958}	L _{B42}
6719	L _{A959}	L _{B42}
6720	L _{A960}	L _{B42}
6721	L _{A1}	L _{B43}
6722	L _{A2}	L _{B43}
6723	L _{A3}	L _{B43}
6724	L _{A4}	L _{B43}
6725	L _{A5}	L _{B43}
6726	L _{A6}	L _{B43}
6727	L _{A7}	L _{B43}
6728	L _{A8}	L _{B43}
6729	L _{A9}	L _{B43}
6730	L _{A10}	L _{B43}
6731	L _{A11}	L _{B43}
6732	L _{A12}	L _{B43}
6733	L _{A13}	L _{B43}
6734	L _{A14}	L _{B43}
6735	L _{A15}	L _{B43}
6736	L _{A16}	L _{B43}
6737	L _{A17}	L _{B43}
6738	L _{A18}	L _{B43}
6739	L _{A19}	L _{B43}
6740	L _{A20}	L _{B43}

TABLE 3-continued

Compound Number	L _A	L _B
6741	L _{A21}	L _{B43}
6742	L _{A22}	L _{B43}
6743	L _{A23}	L _{B43}
6744	L _{A24}	L _{B43}
6745	L _{A25}	L _{B43}
6746	L _{A26}	L _{B43}
6747	L _{A27}	L _{B43}
6748	L _{A28}	L _{B43}
6749	L _{A29}	L _{B43}
6750	L _{A30}	L _{B43}
6751	L _{A31}	L _{B43}
6752	L _{A32}	L _{B43}
6753	L _{A33}	L _{B43}
6754	L _{A34}	L _{B43}
6755	L _{A35}	L _{B43}
6756	L _{A36}	L _{B43}
6757	L _{A37}	L _{B43}
6758	L _{A38}	L _{B43}
6759	L _{A39}	L _{B43}
6760	L _{A40}	L _{B43}
6761	L _{A41}	L _{B43}
6762	L _{A42}	L _{B43}
6763	L _{A43}	L _{B43}
6764	L _{A44}	L _{B43}
6765	L _{A45}	L _{B43}
6766	L _{A46}	L _{B43}
6767	L _{A47}	L _{B43}
6768	L _{A48}	L _{B43}
6769	L _{A49}	L _{B43}
6770	L _{A50}	L _{B43}
6771	L _{A51}	L _{B43}
6772	L _{A52}	L _{B43}
6773	L _{A53}	L _{B43}
6774	L _{A54}	L _{B43}
6775	L _{A55}	L _{B43}
6776	L _{A56}	L _{B43}
6777	L _{A57}	L _{B43}
6778	L _{A58}	L _{B43}
6779	L _{A59}	L _{B43}
6780	L _{A60}	L _{B43}
6781	L _{A61}	L _{B43}
6782	L _{A62}	L _{B43}
6783	L _{A63}	L _{B43}
6784	L _{A64}	L _{B43}
6785	L _{A65}	L _{B43}
6786	L _{A66}	L _{B43}
6787	L _{A67}	L _{B43}
6788	L _{A68}	L _{B43}
6789	L _{A69}	L _{B43}
6790	L _{A70}	L _{B43}
6791	L _{A71}	L _{B43}
6792	L _{A72}	L _{B43}
6793	L _{A73}	L _{B43}
6794	L _{A74}	L _{B43}
6795	L _{A75}	L _{B43}
6796	L _{A76}	L _{B43}
6797	L _{A77}	L _{B43}
6798	L _{A78}	L _{B43}
6799	L _{A79}	L _{B43}
6800	L _{A80}	L _{B43}
6801	L _{A81}	L _{B43}
6802	L _{A82}	L _{B43}
6803	L _{A83}	L _{B43}
6804	L _{A84}	L _{B43}
6805	L _{A85}	L _{B43}
6806	L _{A86}	L _{B43}
6807	L _{A87}	L _{B43}
6808	L _{A88}	L _{B43}
6809	L _{A89}	L _{B43}
6810	L _{A90}	L _{B43}
6811	L _{A91}	L _{B43}
6812	L _{A92}	L _{B43}
6813	L _{A93}	L _{B43}
6814	L _{A94}	L _{B43}

TABLE 3-continued

Compound Number	L _A	L _B
6815	L _{A95}	L _{B43}
6816	L _{A96}	L _{B43}
6817	L _{A97}	L _{B43}
6818	L _{A98}	L _{B43}
6819	L _{A99}	L _{B43}
6820	L _{A100}	L _{B43}
6821	L _{A101}	L _{B43}
6822	L _{A102}	L _{B43}
6823	L _{A103}	L _{B43}
6824	L _{A104}	L _{B43}
6825	L _{A105}	L _{B43}
6826	L _{A106}	L _{B43}
6827	L _{A107}	L _{B43}
6828	L _{A108}	L _{B43}
6829	L _{A109}	L _{B43}
6830	L _{A110}	L _{B43}
6831	L _{A111}	L _{B43}
6832	L _{A112}	L _{B43}
6833	L _{A113}	L _{B43}
6834	L _{A114}	L _{B43}
6835	L _{A115}	L _{B43}
6836	L _{A116}	L _{B43}
6837	L _{A117}	L _{B43}
6838	L _{A118}	L _{B43}
6839	L _{A119}	L _{B43}
6840	L _{A120}	L _{B43}
6841	L _{A121}	L _{B43}
6842	L _{A122}	L _{B43}
6843	L _{A123}	L _{B43}
6844	L _{A124}	L _{B43}
6845	L _{A125}	L _{B43}
6846	L _{A126}	L _{B43}
6847	L _{A127}	L _{B43}
6848	L _{A128}	L _{B43}
6849	L _{A129}	L _{B43}
6850	L _{A130}	L _{B43}
6851	L _{A131}	L _{B43}
6852	L _{A132}	L _{B43}
6853	L _{A133}	L _{B43}
6854	L _{A134}	L _{B43}
6855	L _{A135}	L _{B43}
6856	L _{A136}	L _{B43}
6857	L _{A137}	L _{B43}
6858	L _{A138}	L _{B43}
6859	L _{A139}	L _{B43}
6860	L _{A140}	L _{B43}
6861	L _{A141}	L _{B43}
6862	L _{A142}	L _{B43}
6863	L _{A143}	L _{B43}
6864	L _{A144}	L _{B43}
6865	L _{A145}	L _{B43}
6866	L _{A146}	L _{B43}
6867	L _{A147}	L _{B43}
6868	L _{A148}	L _{B43}
6869	L _{A149}	L _{B43}
6870	L _{A150}	L _{B43}
6871	L _{A151}	L _{B43}
6872	L _{A152}	L _{B43}
6873	L _{A153}	L _{B43}
6874	L _{A154}	L _{B43}
6875	L _{A155}	L _{B43}
6876	L _{A156}	L _{B43}
6877	L _{A157}	L _{B43}
6878	L _{A158}	L _{B43}
6879	L _{A159}	L _{B43}
6880	L _{A160}	L _{B43}
6881	L _{A161}	L _{B43}
6882	L _{A162}	L _{B43}
6883	L _{A163}	L _{B43}
6884	L _{A164}	L _{B43}
6885	L _{A165}	L _{B43}
6886	L _{A166}	L _{B43}
6887	L _{A167}	L _{B43}
6888	L _{A168}	L _{B43}

TABLE 3-continued

Compound Number	L _A	L _B
6889	L _{A169}	L _{B43}
6890	L _{A170}	L _{B43}
6891	L _{A171}	L _{B43}
6892	L _{A172}	L _{B43}
6893	L _{A173}	L _{B43}
6894	L _{A174}	L _{B43}
6895	L _{A175}	L _{B43}
6896	L _{A176}	L _{B43}
6897	L _{A177}	L _{B43}
6898	L _{A178}	L _{B43}
6899	L _{A179}	L _{B43}
6900	L _{A180}	L _{B43}
6901	L _{A181}	L _{B43}
6902	L _{A182}	L _{B43}
6903	L _{A183}	L _{B43}
6904	L _{A184}	L _{B43}
6905	L _{A185}	L _{B43}
6906	L _{A186}	L _{B43}
6907	L _{A187}	L _{B43}
6908	L _{A188}	L _{B43}
6909	L _{A189}	L _{B43}
6910	L _{A190}	L _{B43}
6911	L _{A191}	L _{B43}
6912	L _{A192}	L _{B43}
6913	L _{A193}	L _{B43}
6914	L _{A194}	L _{B43}
6915	L _{A195}	L _{B43}
6916	L _{A196}	L _{B43}
6917	L _{A197}	L _{B43}
6918	L _{A198}	L _{B43}
6919	L _{A199}	L _{B43}
6920	L _{A200}	L _{B43}
6921	L _{A201}	L _{B43}
6922	L _{A202}	L _{B43}
6923	L _{A203}	L _{B43}
6924	L _{A204}	L _{B43}
6925	L _{A205}	L _{B43}
6926	L _{A206}	L _{B43}
6927	L _{A207}	L _{B43}
6928	L _{A208}	L _{B43}
6929	L _{A209}	L _{B43}
6930	L _{A210}	L _{B43}
6931	L _{A211}	L _{B43}
6932	L _{A212}	L _{B43}
6933	L _{A213}	L _{B43}
6934	L _{A214}	L _{B43}
6935	L _{A215}	L _{B43}
6936	L _{A216}	L _{B43}
6937	L _{A217}	L _{B43}
6938	L _{A218}	L _{B43}
6939	L _{A219}	L _{B43}
6940	L _{A220}	L _{B43}
6941	L _{A221}	L _{B43}
6942	L _{A222}	L _{B43}
6943	L _{A223}	L _{B43}
6944	L _{A224}	L _{B43}
6945	L _{A225}	L _{B43}
6946	L _{A226}	L _{B43}
6947	L _{A227}	L _{B43}
6948	L _{A228}	L _{B43}
6949	L _{A229}	L _{B43}
6950	L _{A230}	L _{B43}
6951	L _{A231}	L _{B43}
6952	L _{A232}	L _{B43}
6953	L _{A233}	L _{B43}
6954	L _{A234}	L _{B43}
6955	L _{A235}	L _{B43}
6956	L _{A236}	L _{B43}
6957	L _{A237}	L _{B43}
6958	L _{A238}	L _{B43}
6959	L _{A239}	L _{B43}
6960	L _{A240}	L _{B43}
6961	L _{A241}	L _{B43}
6962	L _{A242}	L _{B43}

TABLE 3-continued

Compound Number	L _A	L _B
6963	L _{A243}	L _{B43}
6964	L _{A244}	L _{B43}
6965	L _{A245}	L _{B43}
6966	L _{A246}	L _{B43}
6967	L _{A247}	L _{B43}
6968	L _{A248}	L _{B43}
6969	L _{A249}	L _{B43}
6970	L _{A250}	L _{B43}
6971	L _{A251}	L _{B43}
6972	L _{A252}	L _{B43}
6973	L _{A253}	L _{B43}
6974	L _{A254}	L _{B43}
6975	L _{A255}	L _{B43}
6976	L _{A256}	L _{B43}
6977	L _{A257}	L _{B43}
6978	L _{A258}	L _{B43}
6979	L _{A259}	L _{B43}
6980	L _{A260}	L _{B43}
6981	L _{A261}	L _{B43}
6982	L _{A262}	L _{B43}
6983	L _{A263}	L _{B43}
6984	L _{A264}	L _{B43}
6985	L _{A265}	L _{B43}
6986	L _{A266}	L _{B43}
6987	L _{A267}	L _{B43}
6988	L _{A268}	L _{B43}
6989	L _{A269}	L _{B43}
6990	L _{A270}	L _{B43}
6991	L _{A271}	L _{B43}
6992	L _{A272}	L _{B43}
6993	L _{A273}	L _{B43}
6994	L _{A274}	L _{B43}
6995	L _{A275}	L _{B43}
6996	L _{A276}	L _{B43}
6997	L _{A277}	L _{B43}
6998	L _{A278}	L _{B43}
6999	L _{A279}	L _{B43}
7000	L _{A280}	L _{B43}
7001	L _{A281}	L _{B43}
7002	L _{A282}	L _{B43}
7003	L _{A283}	L _{B43}
7004	L _{A284}	L _{B43}
7005	L _{A285}	L _{B43}
7006	L _{A286}	L _{B43}
7007	L _{A287}	L _{B43}
7008	L _{A288}	L _{B43}
7009	L _{A289}	L _{B43}
7010	L _{A290}	L _{B43}
7011	L _{A291}	L _{B43}
7012	L _{A292}	L _{B43}
7013	L _{A293}	L _{B43}
7014	L _{A294}	L _{B43}
7015	L _{A295}	L _{B43}
7016	L _{A296}	L _{B43}
7017	L _{A297}	L _{B43}
7018	L _{A298}	L _{B43}
7019	L _{A299}	L _{B43}
7020	L _{A300}	L _{B43}
7021	L _{A301}	L _{B43}
7022	L _{A302}	L _{B43}
7023	L _{A303}	L _{B43}
7024	L _{A304}	L _{B43}
7025	L _{A305}	L _{B43}
7026	L _{A306}	L _{B43}
7027	L _{A307}	L _{B43}
7028	L _{A308}	L _{B43}
7029	L _{A309}	L _{B43}
7030	L _{A310}	L _{B43}
7031	L _{A311}	L _{B43}
7032	L _{A312}	L _{B43}
7033	L _{A313}	L _{B43}
7034	L _{A314}	L _{B43}
7035	L _{A315}	L _{B43}
7036	L _{A316}	L _{B43}

TABLE 3-continued

Compound Number	L _A	L _B
7037	L _{A317}	L _{B43}
7038	L _{A318}	L _{B43}
7039	L _{A319}	L _{B43}
7040	L _{A320}	L _{B43}
7041	L _{A321}	L _{B43}
7042	L _{A322}	L _{B43}
7043	L _{A323}	L _{B43}
7044	L _{A324}	L _{B43}
7045	L _{A325}	L _{B43}
7046	L _{A326}	L _{B43}
7047	L _{A327}	L _{B43}
7048	L _{A328}	L _{B43}
7049	L _{A329}	L _{B43}
7050	L _{A330}	L _{B43}
7051	L _{A331}	L _{B43}
7052	L _{A332}	L _{B43}
7053	L _{A333}	L _{B43}
7054	L _{A334}	L _{B43}
7055	L _{A335}	L _{B43}
7056	L _{A336}	L _{B43}
7057	L _{A337}	L _{B43}
7058	L _{A338}	L _{B43}
7059	L _{A339}	L _{B43}
7060	L _{A340}	L _{B43}
7061	L _{A341}	L _{B43}
7062	L _{A342}	L _{B43}
7063	L _{A343}	L _{B43}
7064	L _{A344}	L _{B43}
7065	L _{A345}	L _{B43}
7066	L _{A346}	L _{B43}
7067	L _{A347}	L _{B43}
7068	L _{A348}	L _{B43}
7069	L _{A349}	L _{B43}
7070	L _{A350}	L _{B43}
7071	L _{A351}	L _{B43}
7072	L _{A352}	L _{B43}
7073	L _{A353}	L _{B43}
7074	L _{A354}	L _{B43}
7075	L _{A355}	L _{B43}
7076	L _{A356}	L _{B43}
7077	L _{A357}	L _{B43}
7078	L _{A358}	L _{B43}
7079	L _{A359}	L _{B43}
7080	L _{A360}	L _{B43}
7081	L _{A361}	L _{B43}
7082	L _{A362}	L _{B43}
7083	L _{A363}	L _{B43}
7084	L _{A364}	L _{B43}
7085	L _{A365}	L _{B43}
7086	L _{A366}	L _{B43}
7087	L _{A367}	L _{B43}
7088	L _{A368}	L _{B43}
7089	L _{A369}	L _{B43}
7090	L _{A370}	L _{B43}
7091	L _{A371}	L _{B43}
7092	L _{A372}	L _{B43}
7093	L _{A373}	L _{B43}
7094	L _{A374}	L _{B43}
7095	L _{A375}	L _{B43}
7096	L _{A376}	L _{B43}
7097	L _{A377}	L _{B43}
7098	L _{A378}	L _{B43}
7099	L _{A379}	L _{B43}
7100	L _{A380}	L _{B43}
7101	L _{A381}	L _{B43}
7102	L _{A382}	L _{B43}
7103	L _{A383}	L _{B43}
7104	L _{A384}	L _{B43}
7105	L _{A385}	L _{B43}
7106	L _{A386}	L _{B43}
7107	L _{A387}	L _{B43}
7108	L _{A388}	L _{B43}
7109	L _{A389}	L _{B43}
7110	L _{A390}	L _{B43}

TABLE 3-continued

Compound Number	L _A	L _B
7111	L _{A391}	L _{B43}
7112	L _{A392}	L _{B43}
7113	L _{A393}	L _{B43}
7114	L _{A394}	L _{B43}
7115	L _{A395}	L _{B43}
7116	L _{A396}	L _{B43}
7117	L _{A397}	L _{B43}
7118	L _{A398}	L _{B43}
7119	L _{A399}	L _{B43}
7120	L _{A400}	L _{B43}
7121	L _{A401}	L _{B43}
7122	L _{A402}	L _{B43}
7123	L _{A403}	L _{B43}
7124	L _{A404}	L _{B43}
7125	L _{A405}	L _{B43}
7126	L _{A406}	L _{B43}
7127	L _{A407}	L _{B43}
7128	L _{A408}	L _{B43}
7129	L _{A409}	L _{B43}
7130	L _{A410}	L _{B43}
7131	L _{A411}	L _{B43}
7132	L _{A412}	L _{B43}
7133	L _{A413}	L _{B43}
7134	L _{A414}	L _{B43}
7135	L _{A415}	L _{B43}
7136	L _{A416}	L _{B43}
7137	L _{A417}	L _{B43}
7138	L _{A418}	L _{B43}
7139	L _{A419}	L _{B43}
7140	L _{A420}	L _{B43}
7141	L _{A421}	L _{B43}
7142	L _{A422}	L _{B43}
7143	L _{A423}	L _{B43}
7144	L _{A424}	L _{B43}
7145	L _{A425}	L _{B43}
7146	L _{A426}	L _{B43}
7147	L _{A427}	L _{B43}
7148	L _{A428}	L _{B43}
7149	L _{A429}	L _{B43}
7150	L _{A430}	L _{B43}
7151	L _{A431}	L _{B43}
7152	L _{A432}	L _{B43}
7153	L _{A433}	L _{B43}
7154	L _{A434}	L _{B43}
7155	L _{A435}	L _{B43}
7156	L _{A436}	L _{B43}
7157	L _{A437}	L _{B43}
7158	L _{A438}	L _{B43}
7159	L _{A439}	L _{B43}
7160	L _{A440}	L _{B43}
7161	L _{A441}	L _{B43}
7162	L _{A442}	L _{B43}
7163	L _{A443}	L _{B43}
7164	L _{A444}	L _{B43}
7165	L _{A445}	L _{B43}
7166	L _{A446}	L _{B43}
7167	L _{A447}	L _{B43}
7168	L _{A448}	L _{B43}
7169	L _{A449}	L _{B43}
7170	L _{A450}	L _{B43}
7171	L _{A451}	L _{B43}
7172	L _{A452}	L _{B43}
7173	L _{A453}	L _{B43}
7174	L _{A454}	L _{B43}
7175	L _{A455}	L _{B43}
7176	L _{A456}	L _{B43}
7177	L _{A457}	L _{B43}
7178	L _{A458}	L _{B43}
7179	L _{A459}	L _{B43}
7180	L _{A460}	L _{B43}
7181	L _{A461}	L _{B43}
7182	L _{A462}	L _{B43}
7183	L _{A463}	L _{B43}
7184	L _{A464}	L _{B43}

TABLE 3-continued

Compound Number	L _A	L _B
7185	L _{A465}	L _{B43}
7186	L _{A466}	L _{B43}
7187	L _{A467}	L _{B43}
7188	L _{A468}	L _{B43}
7189	L _{A469}	L _{B43}
7190	L _{A470}	L _{B43}
7191	L _{A471}	L _{B43}
7192	L _{A472}	L _{B43}
7193	L _{A473}	L _{B43}
7194	L _{A474}	L _{B43}
7195	L _{A475}	L _{B43}
7196	L _{A476}	L _{B43}
7197	L _{A477}	L _{B43}
7198	L _{A478}	L _{B43}
7199	L _{A479}	L _{B43}
7200	L _{A480}	L _{B43}
7201	L _{A481}	L _{B43}
7202	L _{A482}	L _{B43}
7203	L _{A483}	L _{B43}
7204	L _{A484}	L _{B43}
7205	L _{A485}	L _{B43}
7206	L _{A486}	L _{B43}
7207	L _{A487}	L _{B43}
7208	L _{A488}	L _{B43}
7209	L _{A489}	L _{B43}
7210	L _{A490}	L _{B43}
7211	L _{A491}	L _{B43}
7212	L _{A492}	L _{B43}
7213	L _{A493}	L _{B43}
7214	L _{A494}	L _{B43}
7215	L _{A495}	L _{B43}
7216	L _{A496}	L _{B43}
7217	L _{A497}	L _{B43}
7218	L _{A498}	L _{B43}
7219	L _{A499}	L _{B43}
7220	L _{A500}	L _{B43}
7221	L _{A501}	L _{B43}
7222	L _{A502}	L _{B43}
7223	L _{A503}	L _{B43}
7224	L _{A504}	L _{B43}
7225	L _{A505}	L _{B43}
7226	L _{A506}	L _{B43}
7227	L _{A507}	L _{B43}
7228	L _{A508}	L _{B43}
7229	L _{A509}	L _{B43}
7230	L _{A510}	L _{B43}
7231	L _{A511}	L _{B43}
7232	L _{A512}	L _{B43}
7233	L _{A513}	L _{B43}
7234	L _{A514}	L _{B43}
7235	L _{A515}	L _{B43}
7236	L _{A516}	L _{B43}
7237	L _{A517}	L _{B43}
7238	L _{A518}	L _{B43}
7239	L _{A519}	L _{B43}
7240	L _{A520}	L _{B43}
7241	L _{A521}	L _{B43}
7242	L _{A522}	L _{B43}
7243	L _{A523}	L _{B43}
7244	L _{A524}	L _{B43}
7245	L _{A525}	L _{B43}
7246	L _{A526}	L _{B43}
7247	L _{A527}	L _{B43}
7248	L _{A528}	L _{B43}
7249	L _{A529}	L _{B43}
7250	L _{A530}	L _{B43}
7251	L _{A531}	L _{B43}
7252	L _{A532}	L _{B43}
7253	L _{A533}	L _{B43}
7254	L _{A534}	L _{B43}
7255	L _{A535}	L _{B43}
7256	L _{A536}	L _{B43}
7257	L _{A537}	L _{B43}
7258	L _{A538}	L _{B43}

TABLE 3-continued

Compound Number	L _A	L _B
7259	L _{A539}	L _{B43}
7260	L _{A540}	L _{B43}
7261	L _{A541}	L _{B43}
7262	L _{A542}	L _{B43}
7263	L _{A543}	L _{B43}
7264	L _{A544}	L _{B43}
7265	L _{A545}	L _{B43}
7266	L _{A546}	L _{B43}
7267	L _{A547}	L _{B43}
7268	L _{A548}	L _{B43}
7269	L _{A549}	L _{B43}
7270	L _{A550}	L _{B43}
7271	L _{A551}	L _{B43}
7272	L _{A552}	L _{B43}
7273	L _{A553}	L _{B43}
7274	L _{A554}	L _{B43}
7275	L _{A555}	L _{B43}
7276	L _{A556}	L _{B43}
7277	L _{A557}	L _{B43}
7278	L _{A558}	L _{B43}
7279	L _{A559}	L _{B43}
7280	L _{A560}	L _{B43}
7281	L _{A561}	L _{B43}
7282	L _{A562}	L _{B43}
7283	L _{A563}	L _{B43}
7284	L _{A564}	L _{B43}
7285	L _{A565}	L _{B43}
7286	L _{A566}	L _{B43}
7287	L _{A567}	L _{B43}
7288	L _{A568}	L _{B43}
7289	L _{A569}	L _{B43}
7290	L _{A570}	L _{B43}
7291	L _{A571}	L _{B43}
7292	L _{A572}	L _{B43}
7293	L _{A573}	L _{B43}
7294	L _{A574}	L _{B43}
7295	L _{A575}	L _{B43}
7296	L _{A576}	L _{B43}
7297	L _{A577}	L _{B43}
7298	L _{A578}	L _{B43}
7299	L _{A579}	L _{B43}
7300	L _{A580}	L _{B43}
7301	L _{A581}	L _{B43}
7302	L _{A582}	L _{B43}
7303	L _{A583}	L _{B43}
7304	L _{A584}	L _{B43}
7305	L _{A585}	L _{B43}
7306	L _{A586}	L _{B43}
7307	L _{A587}	L _{B43}
7308	L _{A588}	L _{B43}
7309	L _{A589}	L _{B43}
7310	L _{A590}	L _{B43}
7311	L _{A591}	L _{B43}
7312	L _{A592}	L _{B43}
7313	L _{A593}	L _{B43}
7314	L _{A594}	L _{B43}
7315	L _{A595}	L _{B43}
7316	L _{A596}	L _{B43}
7317	L _{A597}	L _{B43}
7318	L _{A598}	L _{B43}
7319	L _{A599}	L _{B43}
7320	L _{A600}	L _{B43}
7321	L _{A601}	L _{B43}
7322	L _{A602}	L _{B43}
7323	L _{A603}	L _{B43}
7324	L _{A604}	L _{B43}
7325	L _{A605}	L _{B43}
7326	L _{A606}	L _{B43}
7327	L _{A607}	L _{B43}
7328	L _{A608}	L _{B43}
7329	L _{A609}	L _{B43}
7330	L _{A610}	L _{B43}
7331	L _{A611}	L _{B43}
7332	L _{A612}	L _{B43}

TABLE 3-continued

Compound Number	L _A	L _B
7333	L _{A613}	L _{B43}
7334	L _{A614}	L _{B43}
7335	L _{A615}	L _{B43}
7336	L _{A616}	L _{B43}
7337	L _{A617}	L _{B43}
7338	L _{A618}	L _{B43}
7339	L _{A619}	L _{B43}
7340	L _{A620}	L _{B43}
7341	L _{A621}	L _{B43}
7342	L _{A622}	L _{B43}
7343	L _{A623}	L _{B43}
7344	L _{A624}	L _{B43}
7345	L _{A625}	L _{B43}
7346	L _{A626}	L _{B43}
7347	L _{A627}	L _{B43}
7348	L _{A628}	L _{B43}
7349	L _{A629}	L _{B43}
7350	L _{A630}	L _{B43}
7351	L _{A631}	L _{B43}
7352	L _{A632}	L _{B43}
7353	L _{A633}	L _{B43}
7354	L _{A634}	L _{B43}
7355	L _{A635}	L _{B43}
7356	L _{A636}	L _{B43}
7357	L _{A637}	L _{B43}
7358	L _{A638}	L _{B43}
7359	L _{A639}	L _{B43}
7360	L _{A640}	L _{B43}
7361	L _{A641}	L _{B43}
7362	L _{A642}	L _{B43}
7363	L _{A643}	L _{B43}
7364	L _{A644}	L _{B43}
7365	L _{A645}	L _{B43}
7366	L _{A646}	L _{B43}
7367	L _{A647}	L _{B43}
7368	L _{A648}	L _{B43}
7369	L _{A649}	L _{B43}
7370	L _{A650}	L _{B43}
7371	L _{A651}	L _{B43}
7372	L _{A652}	L _{B43}
7373	L _{A653}	L _{B43}
7374	L _{A654}	L _{B43}
7375	L _{A655}	L _{B43}
7376	L _{A656}	L _{B43}
7377	L _{A657}	L _{B43}
7378	L _{A658}	L _{B43}
7379	L _{A659}	L _{B43}
7380	L _{A660}	L _{B43}
7381	L _{A661}	L _{B43}
7382	L _{A662}	L _{B43}
7383	L _{A663}	L _{B43}
7384	L _{A664}	L _{B43}
7385	L _{A665}	L _{B43}
7386	L _{A666}	L _{B43}
7387	L _{A667}	L _{B43}
7388	L _{A668}	L _{B43}
7389	L _{A669}	L _{B43}
7390	L _{A670}	L _{B43}
7391	L _{A671}	L _{B43}
7392	L _{A672}	L _{B43}
7393	L _{A673}	L _{B43}
7394	L _{A674}	L _{B43}
7395	L _{A675}	L _{B43}
7396	L _{A676}	L _{B43}
7397	L _{A677}	L _{B43}
7398	L _{A678}	L _{B43}
7399	L _{A679}	L _{B43}
7400	L _{A680}	L _{B43}
7401	L _{A681}	L _{B43}
7402	L _{A682}	L _{B43}
7403	L _{A683}	L _{B43}
7404	L _{A684}	L _{B43}
7405	L _{A685}	L _{B43}
7406	L _{A686}	L _{B43}

TABLE 3-continued

Compound Number	L _A	L _B
7407	L _{A687}	L _{B43}
7408	L _{A688}	L _{B43}
7409	L _{A689}	L _{B43}
7410	L _{A690}	L _{B43}
7411	L _{A691}	L _{B43}
7412	L _{A692}	L _{B43}
7413	L _{A693}	L _{B43}
7414	L _{A694}	L _{B43}
7415	L _{A695}	L _{B43}
7416	L _{A696}	L _{B43}
7417	L _{A697}	L _{B43}
7418	L _{A698}	L _{B43}
7419	L _{A699}	L _{B43}
7420	L _{A700}	L _{B43}
7421	L _{A701}	L _{B43}
7422	L _{A702}	L _{B43}
7423	L _{A703}	L _{B43}
7424	L _{A704}	L _{B43}
7425	L _{A705}	L _{B43}
7426	L _{A706}	L _{B43}
7427	L _{A707}	L _{B43}
7428	L _{A708}	L _{B43}
7429	L _{A709}	L _{B43}
7430	L _{A710}	L _{B43}
7431	L _{A711}	L _{B43}
7432	L _{A712}	L _{B43}
7433	L _{A713}	L _{B43}
7434	L _{A714}	L _{B43}
7435	L _{A715}	L _{B43}
7436	L _{A716}	L _{B43}
7437	L _{A717}	L _{B43}
7438	L _{A718}	L _{B43}
7439	L _{A719}	L _{B43}
7440	L _{A720}	L _{B43}
7441	L _{A721}	L _{B43}
7442	L _{A722}	L _{B43}
7443	L _{A723}	L _{B43}
7444	L _{A724}	L _{B43}
7445	L _{A725}	L _{B43}
7446	L _{A726}	L _{B43}
7447	L _{A727}	L _{B43}
7448	L _{A728}	L _{B43}
7449	L _{A729}	L _{B43}
7450	L _{A730}	L _{B43}
7451	L _{A731}	L _{B43}
7452	L _{A732}	L _{B43}
7453	L _{A733}	L _{B43}
7454	L _{A734}	L _{B43}
7455	L _{A735}	L _{B43}
7456	L _{A736}	L _{B43}
7457	L _{A737}	L _{B43}
7458	L _{A738}	L _{B43}
7459	L _{A739}	L _{B43}
7460	L _{A740}	L _{B43}
7461	L _{A741}	L _{B43}
7462	L _{A742}	L _{B43}
7463	L _{A743}	L _{B43}
7464	L _{A744}	L _{B43}
7465	L _{A745}	L _{B43}
7466	L _{A746}	L _{B43}
7467	L _{A747}	L _{B43}
7468	L _{A748}	L _{B43}
7469	L _{A749}	L _{B43}
7470	L _{A750}	L _{B43}
7471	L _{A751}	L _{B43}
7472	L _{A752}	L _{B43}
7473	L _{A753}	L _{B43}
7474	L _{A754}	L _{B43}
7475	L _{A755}	L _{B43}
7476	L _{A756}	L _{B43}
7477	L _{A757}	L _{B43}
7478	L _{A758}	L _{B43}
7479	L _{A759}	L _{B43}
7480	L _{A760}	L _{B43}

TABLE 3-continued

Compound Number	L _A	L _B
7481	L _{A761}	L _{B43}
7482	L _{A762}	L _{B43}
7483	L _{A763}	L _{B43}
7484	L _{A764}	L _{B43}
7485	L _{A765}	L _{B43}
7486	L _{A766}	L _{B43}
7487	L _{A767}	L _{B43}
7488	L _{A768}	L _{B43}
7489	L _{A769}	L _{B43}
7490	L _{A770}	L _{B43}
7491	L _{A771}	L _{B43}
7492	L _{A772}	L _{B43}
7493	L _{A773}	L _{B43}
7494	L _{A774}	L _{B43}
7495	L _{A775}	L _{B43}
7496	L _{A776}	L _{B43}
7497	L _{A777}	L _{B43}
7498	L _{A778}	L _{B43}
7499	L _{A779}	L _{B43}
7500	L _{A780}	L _{B43}
7501	L _{A781}	L _{B43}
7502	L _{A782}	L _{B43}
7503	L _{A783}	L _{B43}
7504	L _{A784}	L _{B43}
7505	L _{A785}	L _{B43}
7506	L _{A786}	L _{B43}
7507	L _{A787}	L _{B43}
7508	L _{A788}	L _{B43}
7509	L _{A789}	L _{B43}
7510	L _{A790}	L _{B43}
7511	L _{A791}	L _{B43}
7512	L _{A792}	L _{B43}
7513	L _{A793}	L _{B43}
7514	L _{A794}	L _{B43}
7515	L _{A795}	L _{B43}
7516	L _{A796}	L _{B43}
7517	L _{A797}	L _{B43}
7518	L _{A798}	L _{B43}
7519	L _{A799}	L _{B43}
7520	L _{A800}	L _{B43}
7521	L _{A801}	L _{B43}
7522	L _{A802}	L _{B43}
7523	L _{A803}	L _{B43}
7524	L _{A804}	L _{B43}
7525	L _{A805}	L _{B43}
7526	L _{A806}	L _{B43}
7527	L _{A807}	L _{B43}
7528	L _{A808}	L _{B43}
7529	L _{A809}	L _{B43}
7530	L _{A810}	L _{B43}
7531	L _{A811}	L _{B43}
7532	L _{A812}	L _{B43}
7533	L _{A813}	L _{B43}
7534	L _{A814}	L _{B43}
7535	L _{A815}	L _{B43}
7536	L _{A816}	L _{B43}
7537	L _{A817}	L _{B43}
7538	L _{A818}	L _{B43}
7539	L _{A819}	L _{B43}
7540	L _{A820}	L _{B43}
7541	L _{A821}	L _{B43}
7542	L _{A822}	L _{B43}
7543	L _{A823}	L _{B43}
7544	L _{A824}	L _{B43}
7545	L _{A825}	L _{B43}
7546	L _{A826}	L _{B43}
7547	L _{A827}	L _{B43}
7548	L _{A828}	L _{B43}
7549	L _{A829}	L _{B43}
7550	L _{A830}	L _{B43}
7551	L _{A831}	L _{B43}
7552	L _{A832}	L _{B43}
7553	L _{A833}	L _{B43}
7554	L _{A834}	L _{B43}

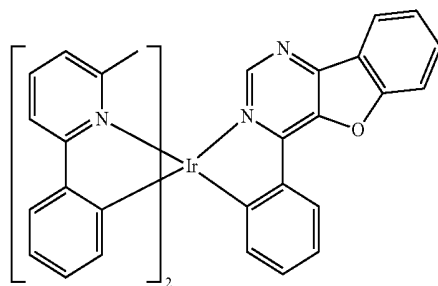
TABLE 3-continued

Compound Number	L _A	L _B
7555	L _{A835}	L _{B43}
7556	L _{A836}	L _{B43}
7557	L _{A837}	L _{B43}
7558	L _{A838}	L _{B43}
7559	L _{A839}	L _{B43}
7560	L _{A840}	L _{B43}
7561	L _{A841}	L _{B43}
7562	L _{A842}	L _{B43}
7563	L _{A843}	L _{B43}
7564	L _{A844}	L _{B43}
7565	L _{A845}	L _{B43}
7566	L _{A846}	L _{B43}
7567	L _{A847}	L _{B43}
7568	L _{A848}	L _{B43}
7569	L _{A849}	L _{B43}
7570	L _{A850}	L _{B43}
7571	L _{A851}	L _{B43}
7572	L _{A852}	L _{B43}
7573	L _{A853}	L _{B43}
7574	L _{A854}	L _{B43}
7575	L _{A855}	L _{B43}
7576	L _{A856}	L _{B43}
7577	L _{A857}	L _{B43}
7578	L _{A858}	L _{B43}
7579	L _{A859}	L _{B43}
7580	L _{A860}	L _{B43}
7581	L _{A861}	L _{B43}
7582	L _{A862}	L _{B43}
7583	L _{A863}	L _{B43}
7584	L _{A864}	L _{B43}
7585	L _{A865}	L _{B43}
7586	L _{A866}	L _{B43}
7587	L _{A867}	L _{B43}
7588	L _{A868}	L _{B43}
7589	L _{A869}	L _{B43}
7590	L _{A870}	L _{B43}
7591	L _{A871}	L _{B43}
7592	L _{A872}	L _{B43}
7593	L _{A873}	L _{B43}
7594	L _{A874}	L _{B43}
7595	L _{A875}	L _{B43}
7596	L _{A876}	L _{B43}
7597	L _{A877}	L _{B43}
7598	L _{A878}	L _{B43}
7599	L _{A879}	L _{B43}
7600	L _{A880}	L _{B43}
7601	L _{A881}	L _{B43}
7602	L _{A882}	L _{B43}
7603	L _{A883}	L _{B43}
7604	L _{A884}	L _{B43}
7605	L _{A885}	L _{B43}
7606	L _{A886}	L _{B43}
7607	L _{A887}	L _{B43}
7608	L _{A888}	L _{B43}
7609	L _{A889}	L _{B43}
7610	L _{A890}	L _{B43}
7611	L _{A891}	L _{B43}
7612	L _{A892}	L _{B43}
7613	L _{A893}	L _{B43}
7614	L _{A894}	L _{B43}
7615	L _{A895}	L _{B43}
7616	L _{A896}	L _{B43}
7617	L _{A897}	L _{B43}
7618	L _{A898}	L _{B43}
7619	L _{A899}	L _{B43}
7620	L _{A900}	L _{B43}
7621	L _{A901}	L _{B43}
7622	L _{A902}	L _{B43}
7623	L _{A903}	L _{B43}
7624	L _{A904}	L _{B43}
7625	L _{A905}	L _{B43}
7626	L _{A906}	L _{B43}
7627	L _{A907}	L _{B43}
7628	L _{A908}	L _{B43}

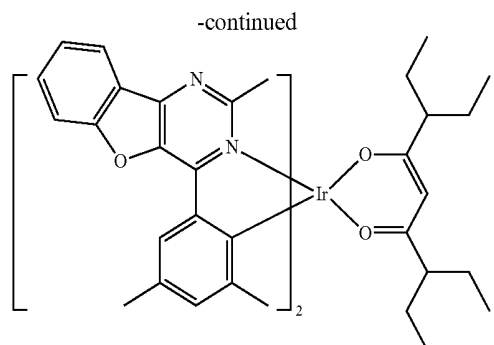
TABLE 3-continued

Compound Number	L _A	L _B
7629	L _{A909}	L _{B43}
7630	L _{A910}	L _{B43}
7631	L _{A911}	L _{B43}
7632	L _{A912}	L _{B43}
7633	L _{A913}	L _{B43}
7634	L _{A914}	L _{B43}
7635	L _{A915}	L _{B43}
7636	L _{A916}	L _{B43}
7637	L _{A917}	L _{B43}
7638	L _{A918}	L _{B43}
7639	L _{A919}	L _{B43}
7640	L _{A920}	L _{B43}
7641	L _{A921}	L _{B43}
7642	L _{A922}	L _{B43}
7643	L _{A923}	L _{B43}
7644	L _{A924}	L _{B43}
7645	L _{A925}	L _{B43}
7646	L _{A926}	L _{B43}
7647	L _{A927}	L _{B43}
7648	L _{A928}	L _{B43}
7649	L _{A929}	L _{B43}
7650	L _{A930}	L _{B43}
7651	L _{A931}	L _{B43}
7652	L _{A932}	L _{B43}
7653	L _{A933}	L _{B43}
7654	L _{A934}	L _{B43}
7655	L _{A935}	L _{B43}
7656	L _{A936}	L _{B43}
7657	L _{A937}	L _{B43}
7658	L _{A938}	L _{B43}
7659	L _{A939}	L _{B43}
7660	L _{A940}	L _{B43}
7661	L _{A941}	L _{B43}
7662	L _{A942}	L _{B43}
7663	L _{A943}	L _{B43}
7664	L _{A944}	L _{B43}
7665	L _{A945}	L _{B43}
7666	L _{A946}	L _{B43}
7667	L _{A947}	L _{B43}
7668	L _{A948}	L _{B43}
7669	L _{A949}	L _{B43}
7670	L _{A950}	L _{B43}
7671	L _{A951}	L _{B43}
7672	L _{A952}	L _{B43}
7673	L _{A953}	L _{B43}
7674	L _{A954}	L _{B43}
7675	L _{A955}	L _{B43}
7676	L _{A956}	L _{B43}
7677	L _{A957}	L _{B43}
7678	L _{A958}	L _{B43}
7679	L _{A959}	L _{B43}
7680	L _{A960}	L _{B43}

[0143] In some embodiments, the compound is selected from the group consisting of:

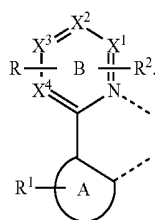


and

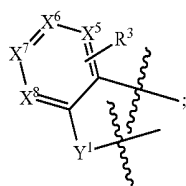


[0144] In some embodiments, a first organic light emitting device is provided. The first organic light emitting device comprises:

- [0145] an anode;
- [0146] a cathode; and
- [0147] an organic layer, disposed between the anode and the cathode, comprising a compound comprising a ligand L_A of formula I:



[0148] In the ligand L_A of formula I, ring A is a 5-membered or 6-membered carbocyclic or heterocyclic ring; R is fused to ring B and has formula II:



[0149] the wave lines indicate bonds to ring B; R^1 and R^3 each independently represent mono, di, tri, or tetra substitution, or no substitution; R^2 represents mono or di substitution, or no substitution; $X^1, X^2, X^3, X^4, X^5, X^6, X^7$, and X^8 are each independently carbon or nitrogen; at least one of $X^1, X^2, X^3, X^4, X^5, X^6, X^7$, and X^8 is nitrogen; Y^1 is selected from the group consisting of $BR^1, NR^1, PR^1, O, S, Se, C=O, S=O, SO_2, SiR^1R^2$, and GeR^1R^2 ; R^1, R^2, R^3, R^4 , and R^5 are each independently selected from the group consisting of hydrogen, deuterium, halogen, alkyl, cycloalkyl, heteroalkyl, arylalkyl, alkoxy, aryloxy, amino, silyl, alkenyl, cycloalkenyl, heteroalkenyl, alkynyl, aryl, heteroaryl, acyl, carbonyl, carboxylic acid, ester, nitrile, isonitrile, sulfanyl, sulfinyl, sulfonyl, phosphino, and combinations thereof, or wherein any two adjacent substituents are optionally joined to form a ring, Which can be further substituted; L_A is coordinated to a metal

M; L_A is optionally linked with other ligands to comprise a tridentate, tetradentate, pentadentate, or hexadentate ligand; and M is optionally coordinated to other ligands.

[0150] In some embodiments, the first organic light emitting device comprises an organic layer comprising a compound of formula I-A. In some embodiments, the first organic light emitting device comprises an organic layer comprising a compound of formula III. In some embodiments, the first organic light emitting device comprises an organic layer comprising a compound of formula III-A. In some embodiments, the first organic light emitting device comprises an organic layer comprising a compound of formula IV. In some embodiments, the first organic light emitting device comprises an organic layer comprising a compound of formula V. In some embodiments, the first organic light emitting device comprises an organic layer comprising a compound of formula VI.

[0151] In some embodiments, the organic layer of the device is an emissive layer and the compound comprising a ligand L_A of formula I is an emitting dopant. In some embodiments, the compound of formula I-A is an emitting dopant. In some embodiments, the compound of formula III is an emitting dopant. In some embodiments, the compound of formula III-A is an emitting dopant. In some embodiments, the compound of formula IV is an emitting dopant. In some embodiments, the compound of formula V is an emitting dopant. In some embodiments, the compound of formula VI is an emitting dopant.

[0152] In some embodiments, the compound comprising a ligand L_A of formula I is a phosphorescent emitting dopant. In some embodiments, the compound of formula I-A is a phosphorescent emitting dopant, in some embodiments, the compound of formula III is a phosphorescent emitting dopant. In some embodiments, the compound of formula III-A is a phosphorescent emitting dopant. In some embodiments, the compound of formula IV is a phosphorescent emitting dopant. In some embodiments, the compound of formula V is a phosphorescent emitting dopant. In some embodiments, the compound of formula VI is a phosphorescent emitting dopant.

[0153] In some embodiments, the organic layer of the device is an emissive layer and the compound comprising a ligand L_A of formula I is a non-emissive dopant, in some embodiments, the compound of formula I-A is a non-emissive dopant. In some embodiments, the compound of formula III is a non-emissive dopant. In some embodiments, the compound of formula III-A is a non-emissive dopant. In some embodiments, the compound of formula IV is a non-emissive dopant. In some embodiments, the compound of formula V is a non-emissive dopant. In some embodiments, the compound of formula VI is a non-emissive dopant.

[0154] In some embodiments, the device is a consumer product. In some embodiments, the device is an organic light-emitting device. In some embodiments, the device comprises a lighting panel.

[0155] In some embodiments, the organic layer further comprises a host.

[0156] In some embodiments, the host comprises a triphenylene-containing benzo-fused thiophene or benzo-fused furan;

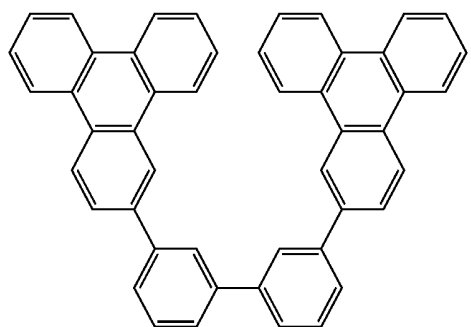
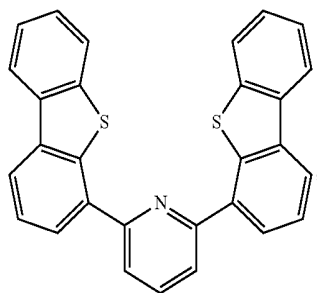
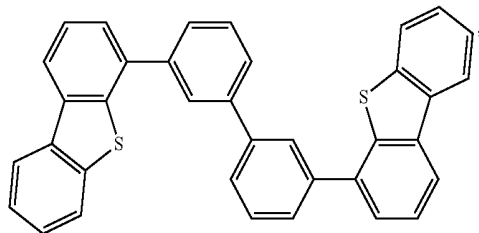
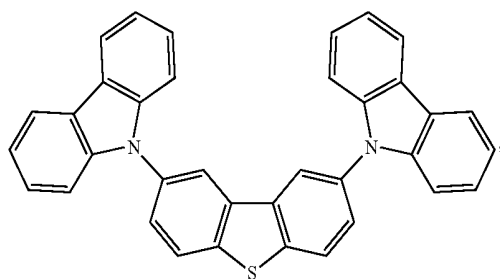
[0157] wherein any substituent in the host is an unfused substituent independently selected from the group consisting of C_nH_{2n+1} , OC_nH_{2n+1} , OAr_1 , $N(C_nH_{2n+1})_2$, $N(Ar_1)(Ar_2)$, $CH=CH-C_nH_{2n+1}$, $C\equiv C-C_nH_{2n+1}$, Ar_1 , Ar_1-Ar_2 , $C_nH_{2n}-Ar_1$, or no substitution;

[0158] wherein n is from 1 to 10; and

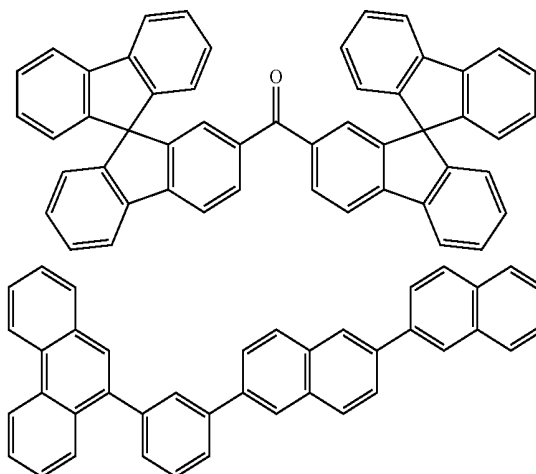
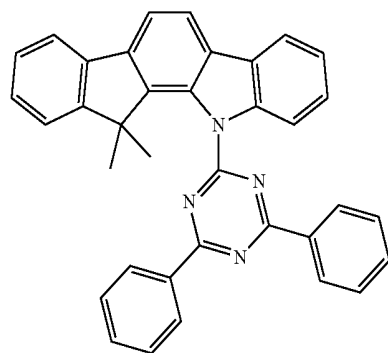
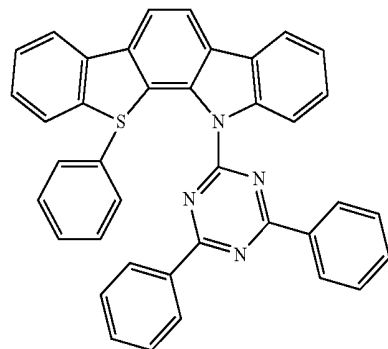
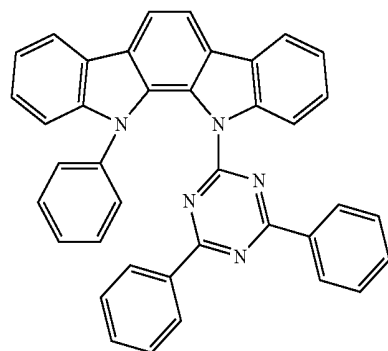
[0159] wherein Ar_1 and Ar_2 are independently selected from the group consisting of benzene, biphenyl, naphthalene, triphenylene, carbazole, and heteroaromatic analogs thereof.

[0160] In some embodiments, the host comprises at least one chemical group selected from the group consisting of carbazole, dibenzothiophene, dibenzofuran, dibenzoselenophene, azacarbazole, aza-dibenzothiophene, aza-dibenzofuran, and aza-dibenzoselenophene. In some embodiments, the host is a metal complex.

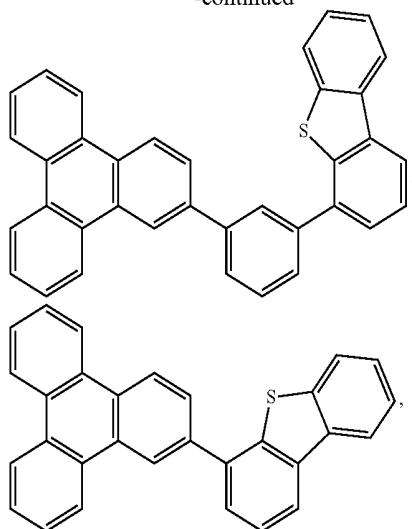
[0161] In some embodiments, the host is selected from the group consisting of:



-continued



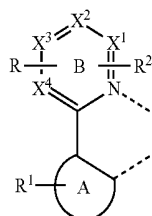
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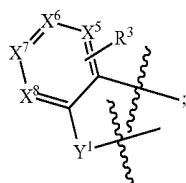
and combinations thereof.

[0162] In some embodiments, the compounds described herein are provided in a formulation with other materials present in the device. For example, the compounds of the invention may be provided in a formulation in conjunction with a wide variety of hosts, transport layers, blocking layers, injection layers, electrodes, or other layers.

[0163] In some embodiments, a formulation comprising a compound comprising a ligand L_A of formula I:



[0164] is provided. In the ligand L_A of formula I, ring A is a 5-membered or 6-membered carbocyclic or heterocyclic ring; R is fused to ring B and has formula II:



[0165] the wave lines indicate bonds to ring B; R^1 and R^3 each independently represent mono, di, tri, or tetra substitution, or no substitution; R^2 represents mono or di substitution, or no substitution; $X^1, X^2, X^3, X^4, X^5, X^6, X^7$, and X^8 are each independently carbon or nitrogen; at least one of $X^1, X^2, X^3, X^4, X^5, X^6, X^7$, and X^8 is nitrogen; Y^1 is selected from the group consisting of $BR', NR', PR', O, S, Se, C=O, S=O, SO_2, CR'R'', SiR'R'',$ and $GeR'R''$; R^1, R^2, R^3, R^4 , and R'' are

each independently selected from the group consisting of hydrogen, deuterium, halogen, alkyl, cycloalkyl, heteroalkyl, arylalkyl, alkoxy, aryloxy, amino, silyl, alkenyl, cycloalkenyl, heteroalkenyl, alkynyl, aryl, heteroaryl, acyl, carbonyl, carboxylic acid, ester, nitrile, isonitrile, sulfanyl, sulfinyl, sulfonyl, phosphino, and combinations thereof, or wherein any two adjacent substituents are optionally joined to form a ring, which can be further substituted; L_A is coordinated to metal M; L_A is optionally linked with other ligands to comprise a tridentate, tetradentate, pentadentate, or hexadentate ligand; and M is optionally coordinated to other ligands.

[0166] In some embodiments, the formulation comprises a compound of formula I-A. In some embodiments, the formulation comprises a compound of formula III. In some embodiments, the formulation comprises a compound of formula III-A. In some embodiments, the formulation comprises a compound of formula IV. In some embodiments, the formulation comprises a compound of formula V. In some embodiments, the formulation comprises a compound of formula VI.

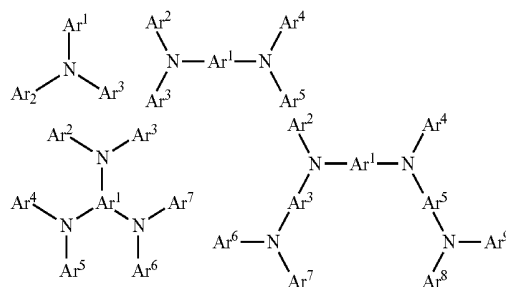
[0167] Combination with Other Materials

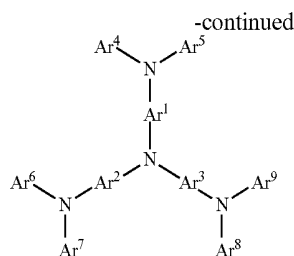
[0168] The materials described herein as useful for a particular layer in an organic light emitting device may be used in combination with a wide variety of other materials present in the device. For example, emissive dopants disclosed herein may be used in conjunction with a wide variety of hosts, transport layers, blocking layers, injection layers, electrodes and other layers that may be present. The materials described or referred to below are non-limiting examples of materials that may be useful in combination with the compounds disclosed herein, and one of skill in the art can readily consult the literature to identify other materials that may be useful in combination.

[0169] HIL/HTL:

[0170] A hole injecting/transporting material to be used in the present invention is not particularly limited, and any compound may be used as long as the compound is typically used as a hole injecting/transporting material. Examples of the material include, but are not limited to: a phthalocyanine or porphyrin derivative; an aromatic amine derivative; an indolocarbazole derivative; a polymer containing fluorohydrocarbon; a polymer with conductivity dopants; a conducting polymer, such as PEDOT/PSS; a self-assembly monomer derived from compounds such as phosphonic acid and silane derivatives; a metal oxide derivative, such as MoO_x ; a p-type semiconducting organic compound, such as 1,4,5,8,9,12-Hexaazatriphenylenehexacarbonitrile; a metal complex, and cross-linkable compounds.

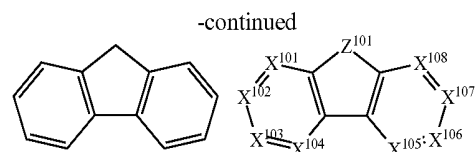
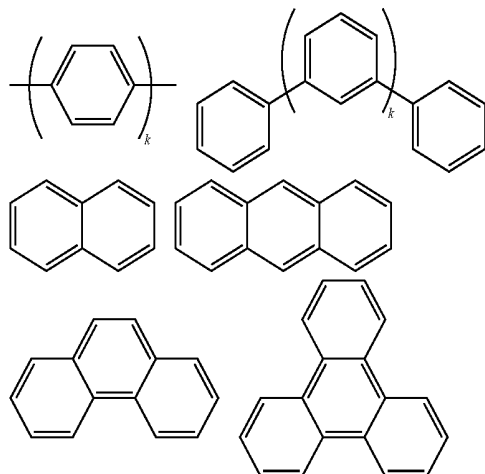
[0171] Examples of aromatic amine derivatives used in HIL or HTL include, but are not limited to the following general structures:





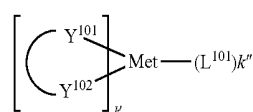
[0172] Each of Ar^1 to Ar^9 is selected from the group consisting aromatic hydrocarbon cyclic compounds such as benzene, biphenyl, triphenyl, triphenylene, naphthalene, anthracene, phenalene, phenanthrene, fluorene, pyrene, chrysene, perylene, azulene; group consisting aromatic heterocyclic compounds such as dibenzothiophene, dibenzofuran, dibenzoselenophene, furan, thiophene, benzofuran, benzothiophene, benzoselenophene, carbazole, indolocarbazole, pyridylindole, pyrrolodipyridine, pyrazole, imidazole, triazole, oxazole, thiazole, oxadiazole, oxatriazole, dioxazole, thiadiazole, pyridine, pyridazine, pyrimidine, pyrazine, triazine, oxazine, oxathiazine, oxadiazine, indole, benzimidazole, indazole, indoxazine, benzoxazole, benzisoxazole, benzothiazole, quinoline, isoquinoline, cinnoline, quinazoline, quinoxaline, naphthyridine, phthalazine, pteridine, xanthene, acridine, phenazine, phenothiazine, phenoxazine, benzofuro-pyridine, furodipyridine, benzothienopyridine, thienodipyridine, benzoselenophenopyridine, and selenophenodipyridine; and group consisting 2 to 10 cyclic structural units which are groups of the same type or different types selected from the aromatic hydrocarbon cyclic group and the aromatic heterocyclic group and are bonded to each other directly or via at least one of oxygen atom, nitrogen atom, sulfur atom, silicon atom, phosphorus atom, boron atom, chain structural unit and the aliphatic cyclic group. Wherein each Ar is further substituted by a substituent selected from the group consisting of hydrogen, deuterium, halogen, alkyl, cycloalkyl, heteroalkyl, arylalkyl, alkoxy, aryloxy, amino, silyl, alkenyl, cycloalkenyl, heteroalkenyl, alkynyl, aryl, heteroaryl, acyl, carbonyl, carboxylic acids, ester, nitrile, isonitrile, sulfanyl, sulfinyl, sulfonyl, phosphino, and combinations thereof.

[0173] In some embodiments, Ar^1 to Ar^9 is independently selected from the group consisting of:



[0174] k is an integer from 1 to 20; X^{101} to X^{108} is C (including CH) or N; Z^{101} is NAr^1 , O, or S; Ar^1 has the same group defined above.

[0175] Examples of metal complexes used in HIL or HTL include, but are not limited to the following general formula:



[0176] Met is a metal; $(Y^{101}-Y^{102})$ is a bidentate ligand, and Y^{102} are independently selected from C, N, O, P, and S; L^{101} is an another ligand; k' is an integer value from 1 to the maximum number of ligands that may be attached to the metal; and $k'+k''$ is the maximum number of ligands that may be attached to the metal.

[0177] In some embodiments, $(Y^{101}-Y^{102})$ is a 2-phenylpyridine derivative.

[0178] In some embodiments, $(Y^{101}-Y^{102})$ is a carbene ligand.

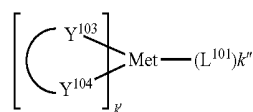
[0179] In some embodiments, Met is selected from Ir, Pt, Os, and Zn.

[0180] In a further aspect, the metal complex has a smallest oxidation potential in solution vs. Fe^+/Fe couple less than about 0.6 V.

[0181] Host:

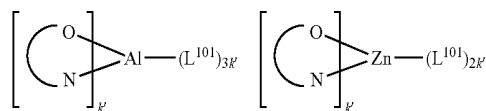
[0182] The light emitting layer of the organic EL device of the present invention preferably contains at least a metal complex as light emitting material, and may contain a host material using the metal complex as a dopant material. Examples of the host material are not particularly limited, and any metal complexes or organic compounds may be used as long as the triplet energy of the host is larger than that of the dopant. While the Table below categorizes host materials as preferred for devices that emit various colors, any host material may be used with any dopant so long as the triplet criteria is satisfied.

[0183] Examples of metal complexes used as host are preferred to have the following general formula:



[0184] Met is a metal; $(Y^{103}-Y^{104})$ is a bidentate ligand, Y^{103} and Y^{104} are independently selected from C, N, O, P, and S; L^{101} is an another ligand; k' is an integer value from 1 to the maximum number of ligands that may be attached to the metal; and $k'+k''$ is the maximum number of ligands that may be attached to the metal.

[0185] In some embodiments, the metal complexes are:



[0186] (O—N) is a bidentate ligand, having metal coordinated to atoms O and N.

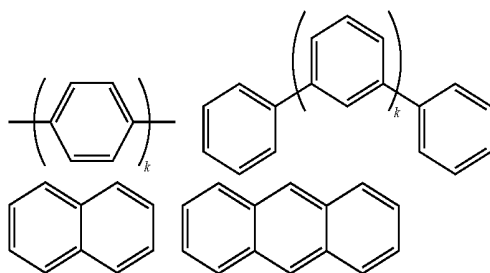
[0187] In some embodiments, Met is selected from Ir and Pt.

[0188] In a further aspect, (Y¹⁰³-Y¹⁰⁴) is a carbene ligand.

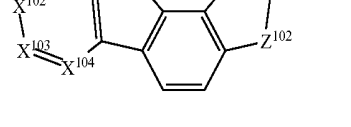
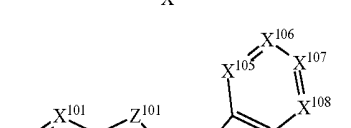
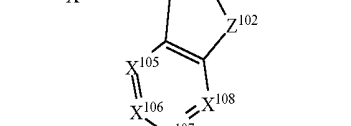
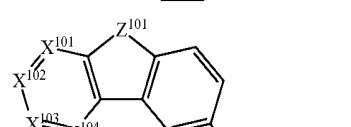
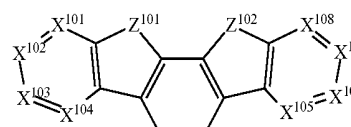
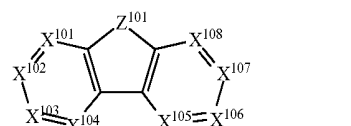
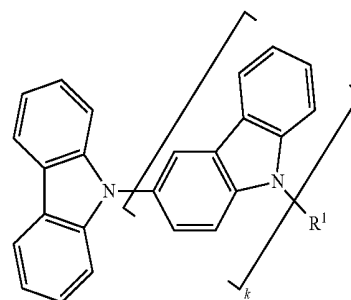
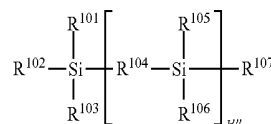
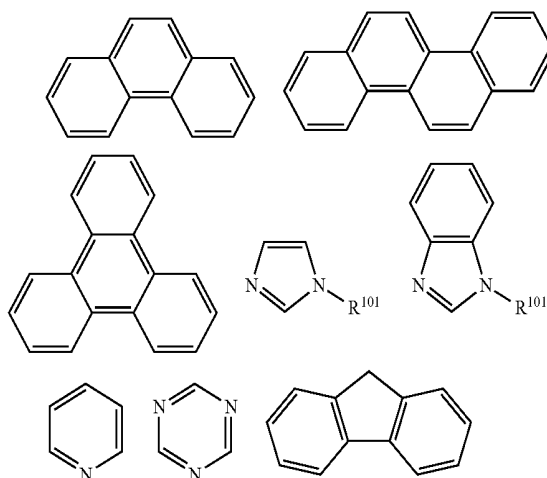
[0189] Examples of organic compounds used as host are selected from the group consisting aromatic hydrocarbon cyclic compounds such as benzene, biphenyl, triphenyl, triphenylene, naphthalene, anthracene, phenalene, phenanthrene, fluorene, pyrene, chrysene, perylene, azulene; group consisting aromatic heterocyclic compounds such as dibenzothiophene, dibenzofuran, dibenzoselenophene, furan, thiophene, benzofuran, benzothiophene, benzoselenophene, carbazole, indolocarbazole, pyridylindole, pyrrolodipyridine, pyrazole, imidazole, triazole, oxazole, thiazole, oxadiazole, oxatriazole, dioxazole, thiadiazole, pyridine, pyridazine, pyrimidine, pyrazine, triazine, oxazine, oxathiazine, oxadiazine, indole, benzimidazole, indazole, indoxazine, benzoxazole, benzisoxazole, benzothiazole, quinoline, isoquinoline, cinnoline, quinazoline, quinoxaline, naphthyridine, phthalazine, pteridine, xanthene, acridine, phenazine, phenothiazine, phenoxazine, benzofuopyridine, furodipyridine, benzothienopyridine, thienodipyridine, benzosele-nophenopyridine, and selenophenodipyridine; and group consisting 2 to 10 cyclic structural units which are groups of the same type or different types selected from the aromatic hydrocarbon cyclic group and the aromatic heterocyclic group and are bonded to each other directly or via at least one of oxygen atom, nitrogen atom, sulfur atom, silicon atom, phosphorus atom, boron atom, chain structural unit and the aliphatic cyclic group.

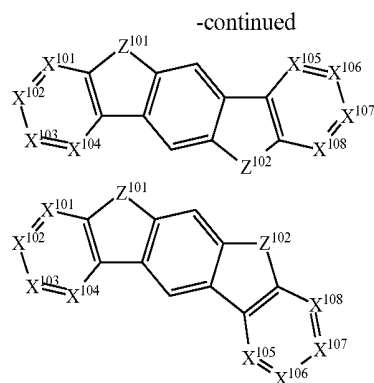
[0190] Wherein each group is further substituted by a substituent selected from the group consisting of hydrogen, deuterium, halogen, alkyl, cycloalkyl, heteroalkyl, arylalkyl, alkoxy, aryloxy, amino, silyl, alkenyl, cycloalkenyl, heteroalkenyl, alkynyl, aryl, heteroaryl, acyl, carbonyl, carboxylic acids, ester, nitrile, isonitrile, sulfanyl, sulfinyl, sulfonyl, phosphino, and combinations thereof.

[0191] In some embodiments, the host compound contains at least one of the following groups in the molecule:



-continued





[0192] R^{101} to R^{107} is independently selected from the group consisting of hydrogen, deuterium, halogen, alkyl, cycloalkyl, heteroalkyl, arylalkyl, alkoxy, aryloxy, amino, silyl, alkenyl, cycloalkenyl, heteroalkenyl, alkynyl, aryl, heteroaryl, acyl, carbonyl, carboxylic acids, ester, nitrile, isonitrile, sulfanyl, sulfinyl, sulfonyl, phosphino, and combinations thereof, when it is aryl or heteroaryl, it has the similar definition as Ar's mentioned above.

[0193] k is an integer from 1 to 20; k'' is an integer from 0 to 20.

[0194] X^{101} to X^{108} is selected from C (including CH) or N.

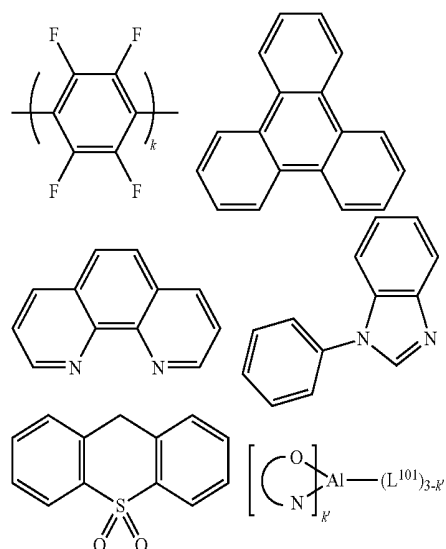
[0195] Z^{101} and Z^{102} is selected from NR^{101} , O, or S.

[0196] HBL:

[0197] A hole blocking layer (HBL) may be used to reduce the number of holes and/or excitons that leave the emissive layer. The presence of such a blocking layer in a device may result in substantially higher efficiencies as compared to a similar device lacking a blocking layer. Also, a blocking layer may be used to confine emission to a desired region of an OLED.

[0198] In some embodiments, compound used in HBL contains the same molecule or the same functional groups used as host described above.

[0199] In some embodiments, compound used in HBL contains at least one of the following groups in the molecule:

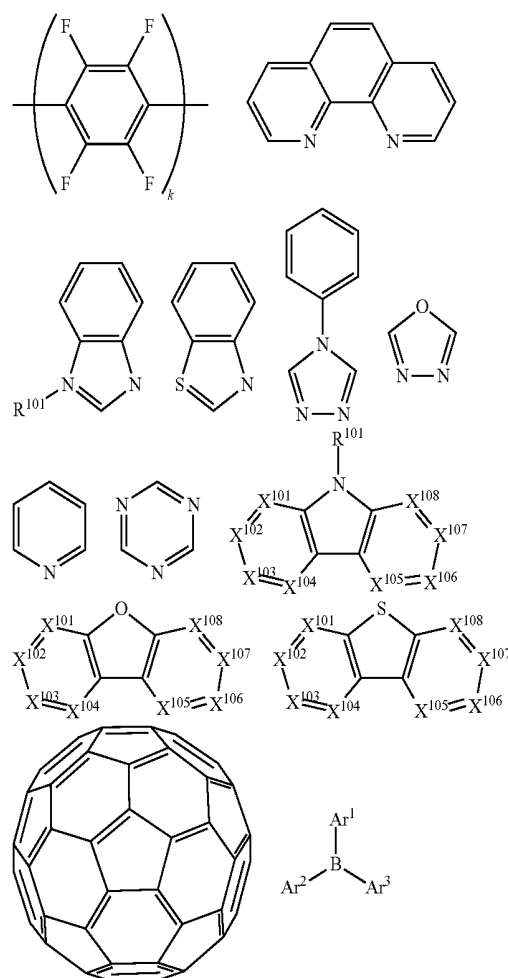


[0200] k is an integer from 1 to 20; L^{101} is an another ligand, k' is an integer from 1 to 3.

[0201] ETL:

[0202] Electron transport layer (ETL) may include a material capable of transporting electrons. Electron transport layer may be intrinsic (undoped), or doped. Doping may be used to enhance conductivity. Examples of the ETL material are not particularly limited, and any metal complexes or organic compounds may be used as long as they are typically used to transport electrons.

[0203] In some embodiments, compound used in ETL contains at least one of the following groups in the molecule:



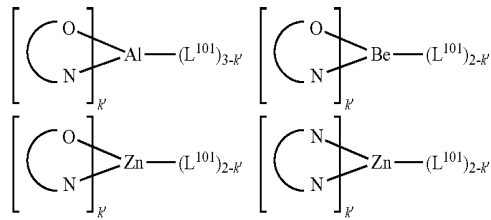
[0204] R^{101} is selected from the group consisting of hydrogen, deuterium, halogen, alkyl, cycloalkyl, heteroalkyl, arylalkyl, alkoxy, aryloxy, amino, silyl, alkenyl, cycloalkenyl, heteroalkenyl, alkynyl, aryl, heteroaryl, acyl, carbonyl, carboxylic acids, ester, nitrile, isonitrile, sulfanyl, sulfinyl, sulfonyl, phosphino, and combinations thereof, when it is aryl or heteroaryl, it has the similar definition as Ar's mentioned above.

[0205] Ar^1 to Ar^3 has the similar definition as Ar's mentioned above.

[0206] k is an integer from 1 to 20.

[0207] X^{101} to X^{108} is selected from C (including CH) or N.

[0208] In some embodiments, the metal complexes used in ETL contains, but are not limited to the following general formula:



[0209] (O—N) or (N—N) is a bidentate ligand, having metal coordinated to atoms O, N or N, N; L¹⁰¹ is another ligand; k' is an integer value from 1 to the maximum number of ligands that may be attached to the metal.

[0210] In any above-mentioned compounds used in each layer of the OLED device, the hydrogen atoms can be partially or fully deuterated. Thus, any specifically listed substituent, such as, without limitation, methyl, phenyl, pyridyl, etc. encompasses undeuterated, partially deuterated, and fully deuterated versions thereof. Similarly, classes of substituents such as, without limitation, alkyl, aryl, cycloalkyl, heteroaryl, etc. also encompass undeuterated, partially deuterated, and fully deuterated versions thereof.

[0211] In addition to and/or in combination with the materials disclosed herein, many hole injection materials, hole transporting materials, host materials, dopant materials, exciton/hole blocking layer materials, electron transporting and electron injecting materials may be used in an OLED. Non-limiting examples of the materials that may be used in an OLED in combination with materials disclosed herein are listed in TABLE 4 below. TABLE 4 lists non-limiting classes of materials, non-limiting examples of compounds for each class, and references that disclose the materials.

TABLE 4

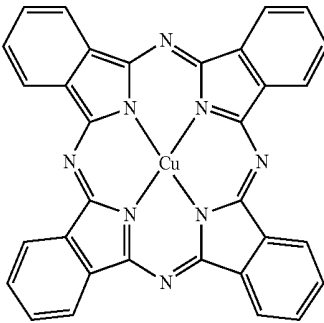
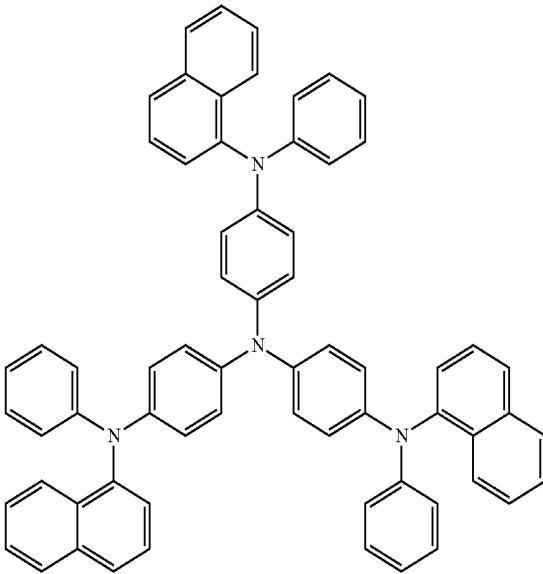
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
Hole injection materials		
Phthalocyanine and porphyrin compounds		Appl. Phys. Lett. 69, 2160 (1996)
Starburst triarylamines		J. Lumin. 72-74, 985 (1997)
CF _x Fluorohydrocarbon polymer	$-[\text{CH}_2\text{F}_y]_n-$	Appl. Phys. Lett. 78, 673 (2001)

TABLE 4-continued

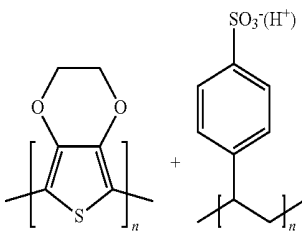
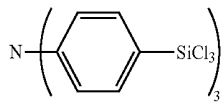
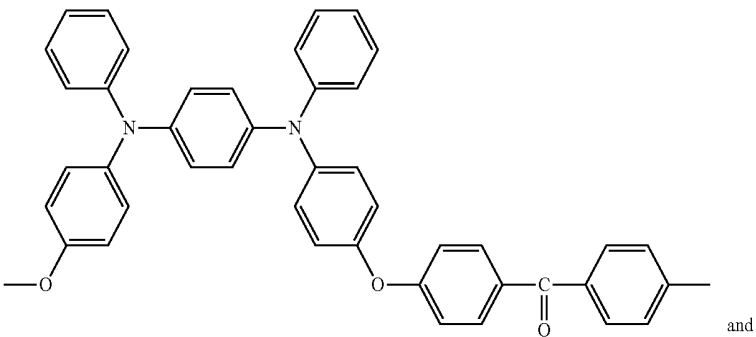
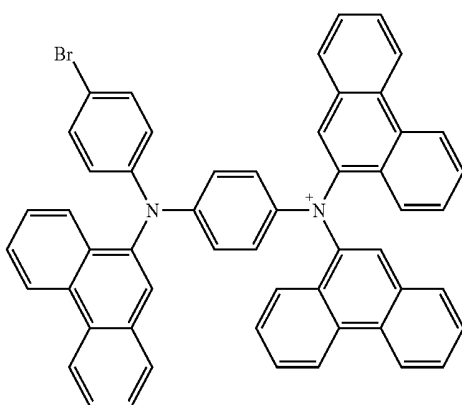
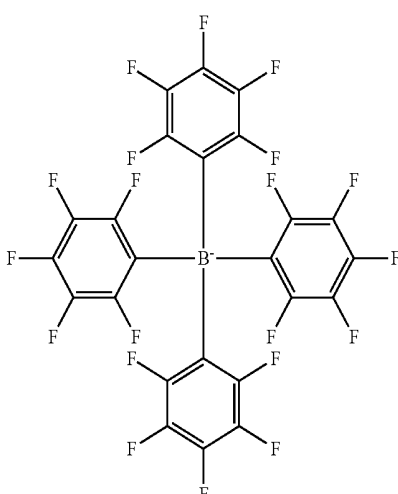
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
Conducting polymers (e.g., PEDOT:PSS, polyaniline, polythiophene)		Synth. Met. 87, 171 (1997) WO2007002683
Phosphonic acid and silane SAMs		US20030162053
Triarylamine or polythiophene polymers with conductivity dopants	  	EP1725079A1

TABLE 4-continued

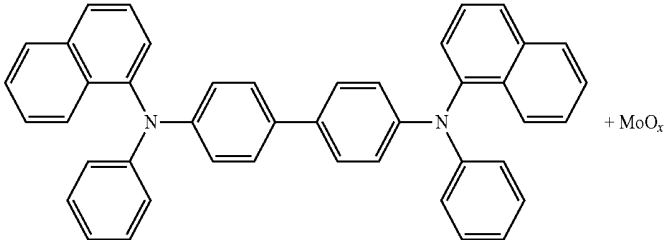
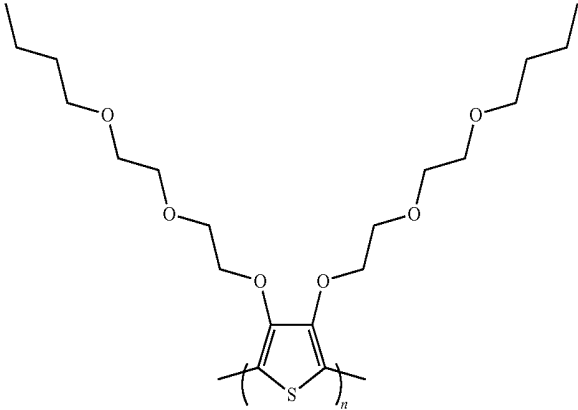
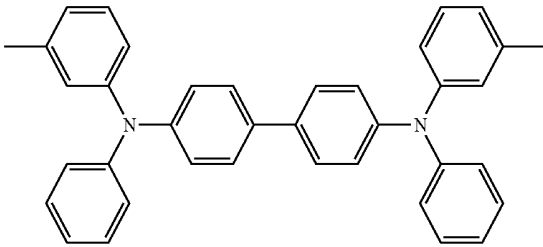
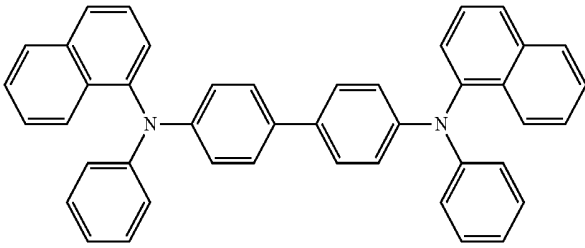
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
Organic compounds with conductive inorganic compounds, such as molybdenum and tungsten oxides		US20050123751 SID Symposium Digest, 37, 923 (2006) WO2009018009
n-type semiconducting organic complexes		US20020158242
Metal organometallic complexes		US20060240279
Cross-linkable compounds		US20080220265
Polythiophene based polymers and copolymers		WO 2011075644 EP2350216
Hole transporting materials		
Triarylamines (e.g., TPD, α -NPD)		Appl. Phys. Lett. 51, 913 (1987)
		U.S. Pat. No. 5,061,569

TABLE 4-continued

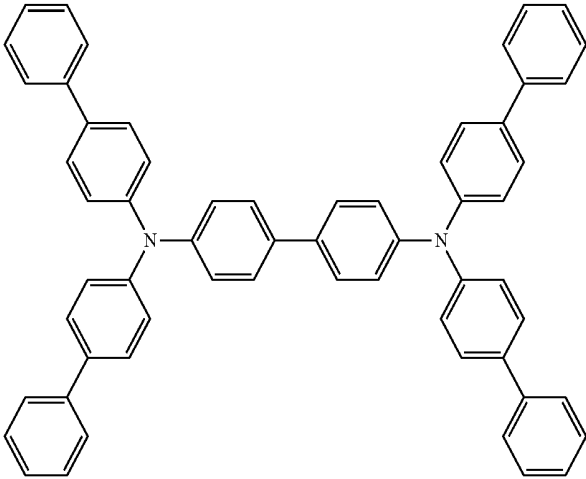
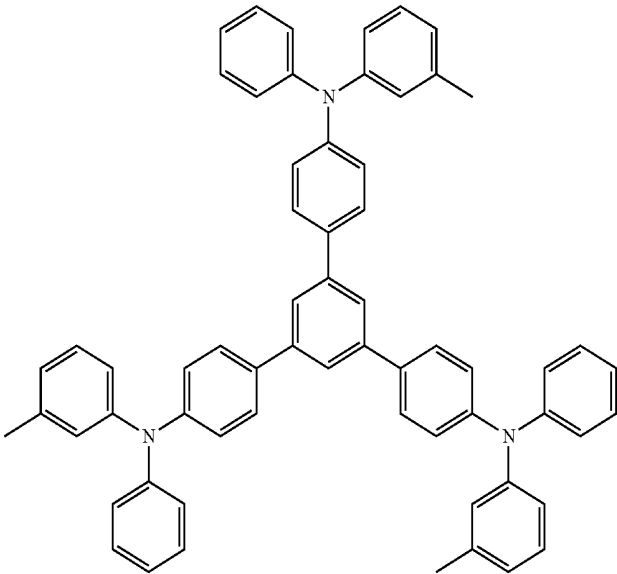
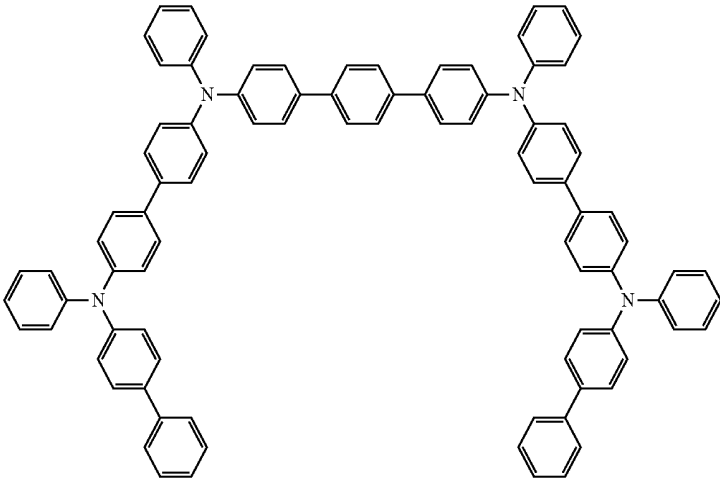
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
		EP650955
		J. Mater. Chem. 3, 319 (1993)
		Appl. Phys. Lett. 90, 183503 (2007)

TABLE 4-continued

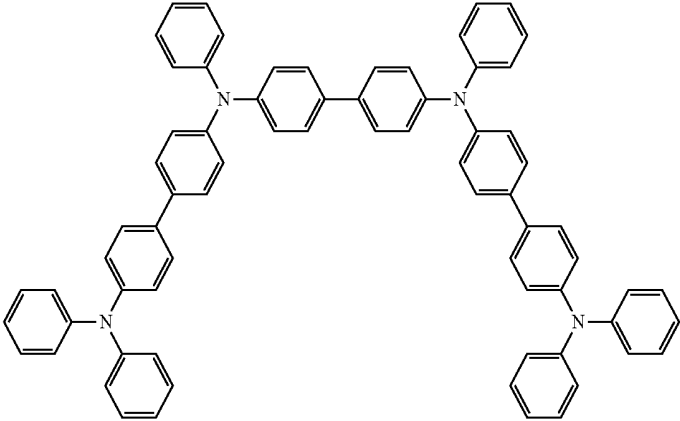
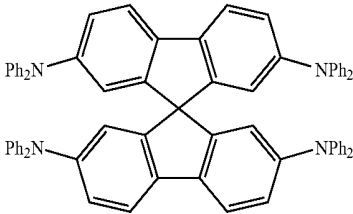
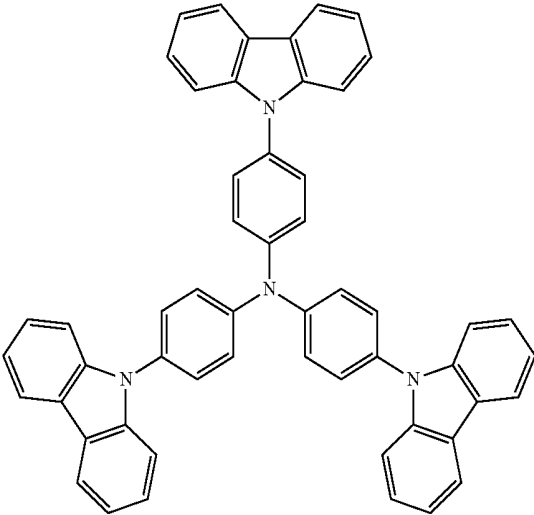
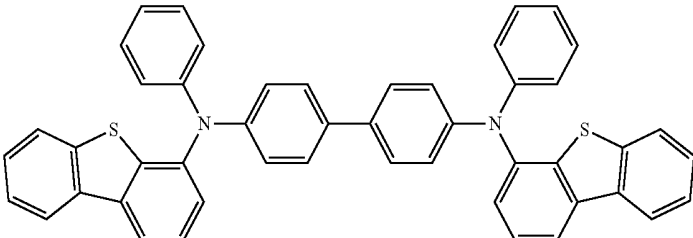
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
		Appl. Phys. Lett. 90, 183503 (2007)
Triarylamine on spirofluorene core		Synth. Met. 91, 209 (1997)
Arylamine carbazole compounds		Adv. Mater. 6, 677 (1994), US20080124572
Triarylamine with (di)benzothiophene/ (di)benzofuran		US20070278938, US20080106190 US20110163302

TABLE 4-continued

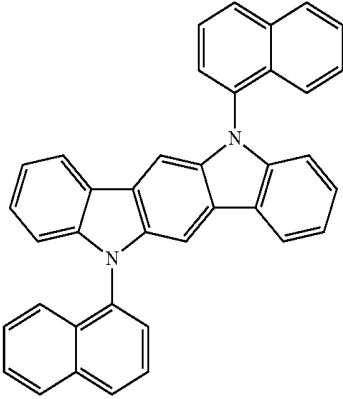
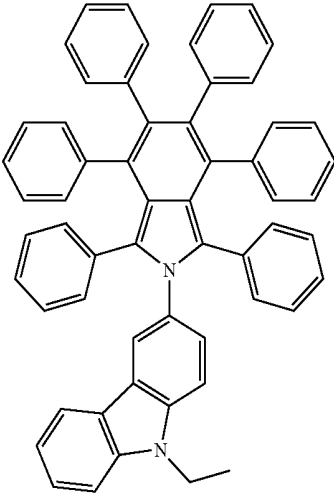
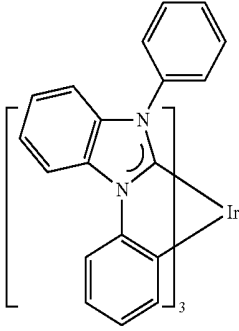
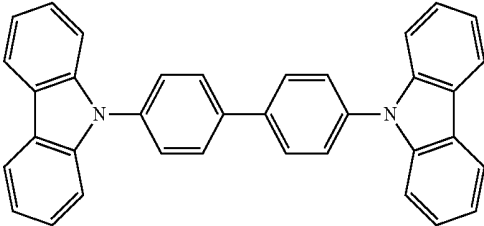
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
Indolocarbazoles		Synth. Met. 111, 421 (2000)
Isoindole compounds		Chem. Mater. 15, 3148 (2003)
Metal carbene complexes		US20080018221
Phosphorescent OLED host materials Red hosts		
Arylcarbazoles		Appl. Phys. Lett. 78, 1622 (2001)

TABLE 4-continued

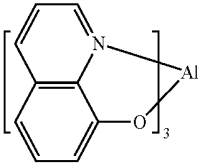
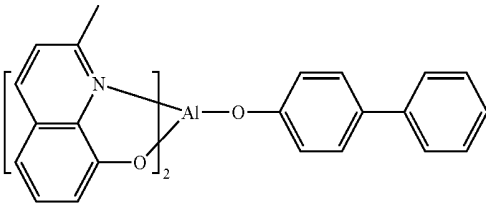
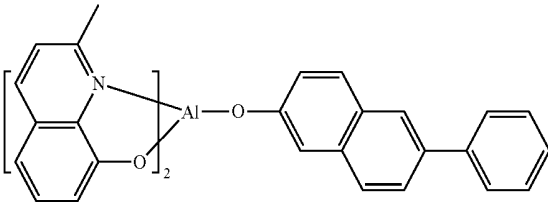
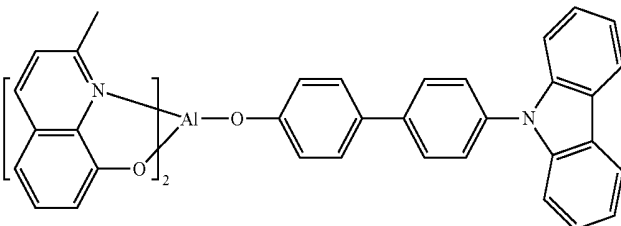
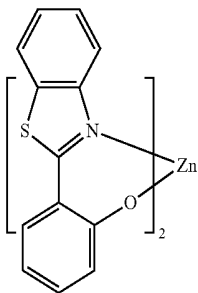
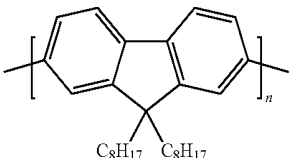
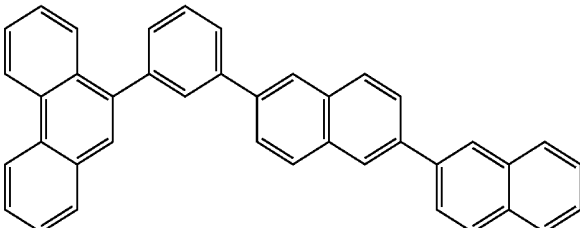
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
Metal 8-hydroxyquinolates (e.g., Alq ₃ , BAlq)		Nature 395, 151 (1998)
		US20060202194
		WO2005014551
		WO2006072002
Metal phenoxybenzothiazole compounds		Appl. Phys. Lett. 90, 123509 (2007)
Conjugated oligomers and polymers (e.g., polyfluorene)		Org. Electron. 1, 15 (2000)
Aromatic fused rings		WO2009066779, WO2009066778, WO2009063833, US20090045731, US20090045730, WO2009008311, US20090008605, US20090009065

TABLE 4-continued

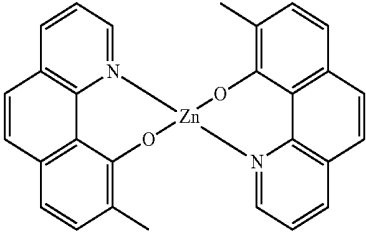
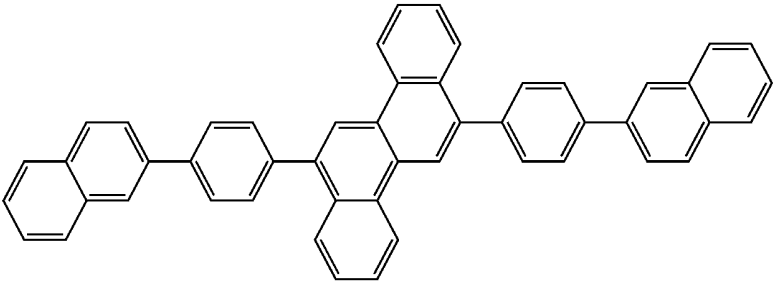
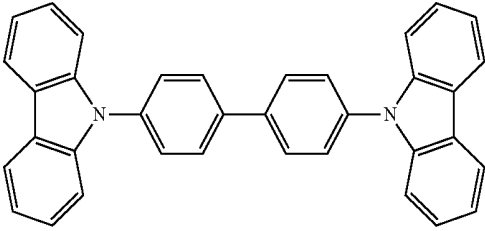
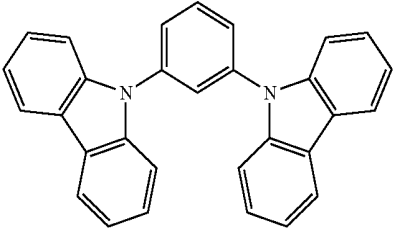
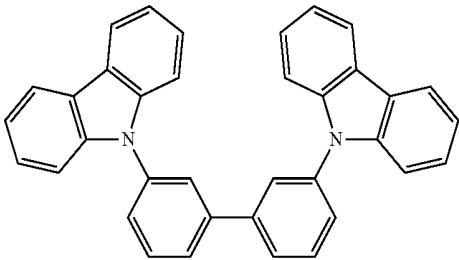
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
Zinc complexes		WO2010056066
Chrysene based compounds		WO2011086863
Green hosts		
Arylcarbazoles		Appl. Phys. Lett. 78, 1622 (2001)
		US20030175553
		WO2001039234

TABLE 4-continued

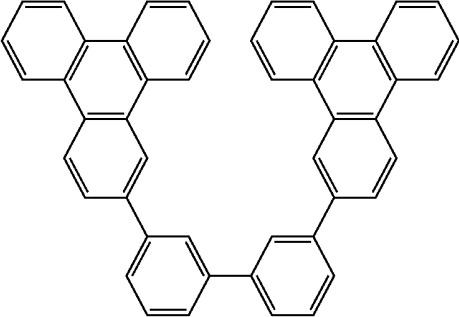
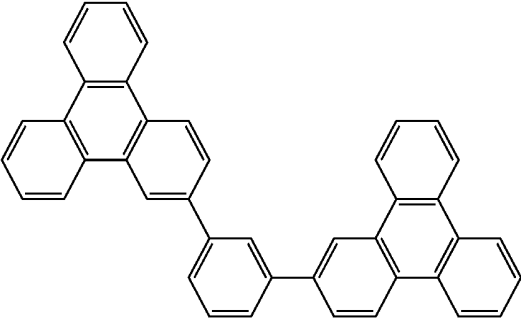
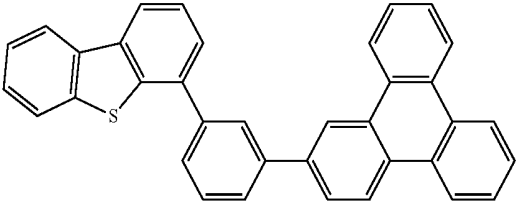
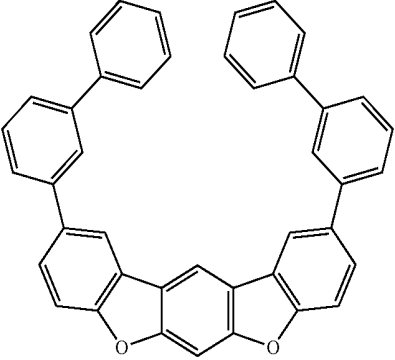
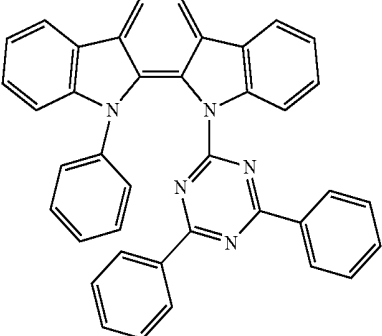
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
Aryltriphenylene compounds		US20060280965
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		WO2009021126
Poly-fused heteroaryl compounds		US20090309488 US20090302743 US20100012931
Donor acceptor type molecules		WO2008056746

TABLE 4-continued

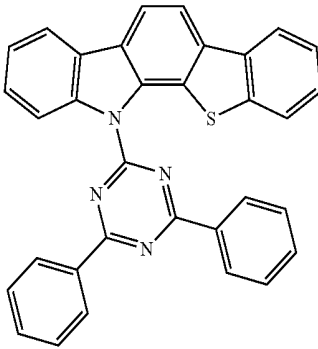
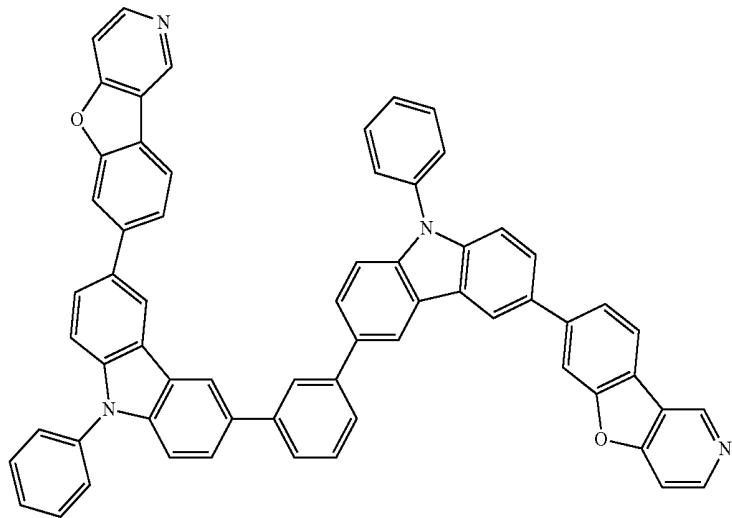
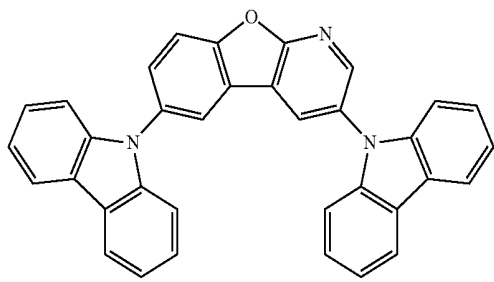
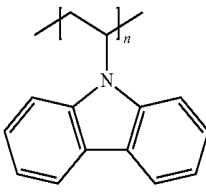
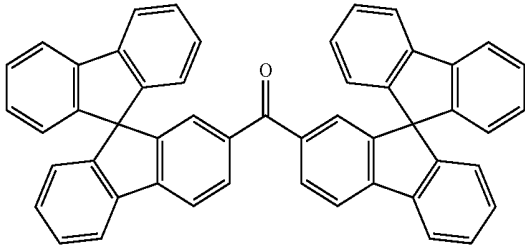
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
		WO2010107244
Aza-carbazole/ DBT/DBF		JP2008074939
		US20100187984
Polymers (e.g., PVK)		Appl. Phys. Lett. 77, 2280 (2000)
Spirofluorene compounds		WO2004093207

TABLE 4-continued

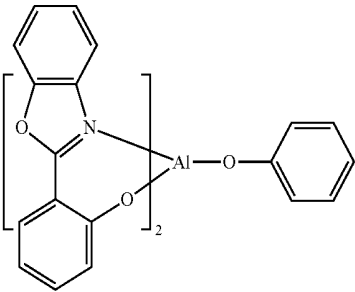
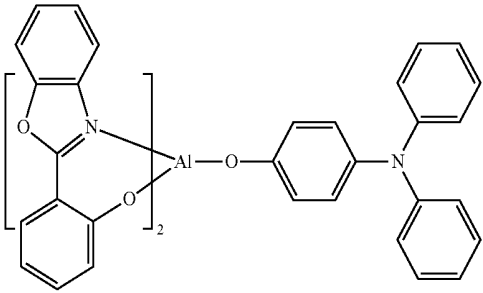
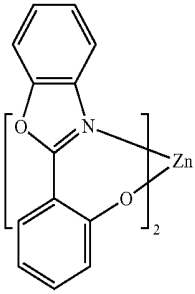
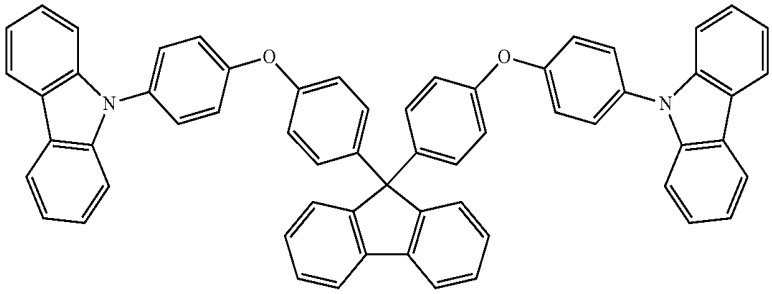
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
Metal phenoxybenzoxazole compounds		WO2005089025
		WO2006132173
		JP200511610
Spirofluorene- carbazole compounds		JP2007254297

TABLE 4-continued

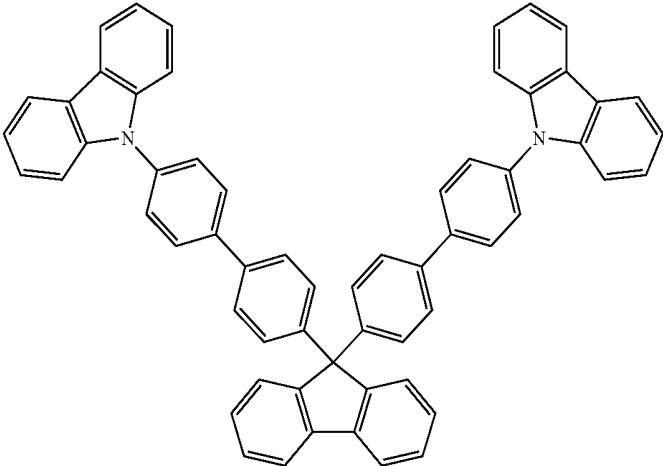
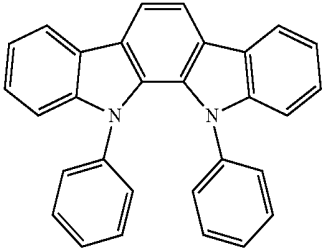
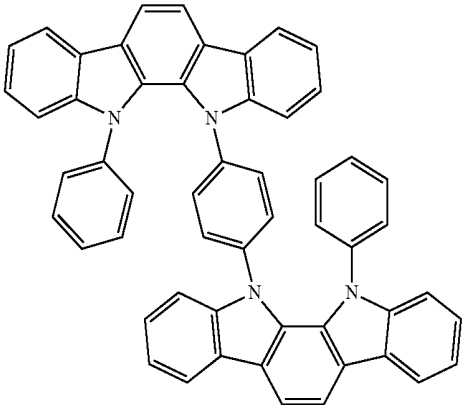
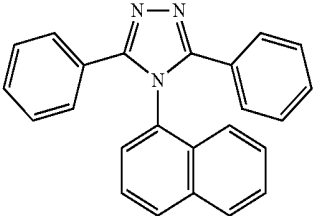
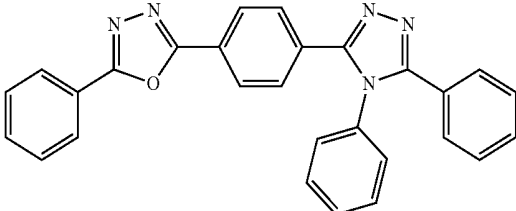
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
		JP2007254297
Indolocarbazoles		WO2007063796
		WO2007063754
5-member ring electron deficient heterocycles (e.g., triazole, oxadiazole)		J. Appl. Phys. 90, 5048 (2001)
		WO2004107822

TABLE 4-continued

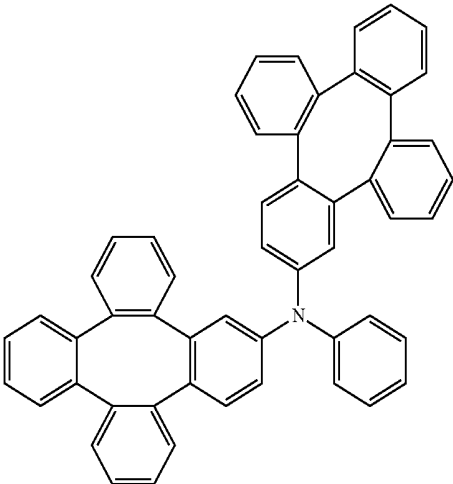
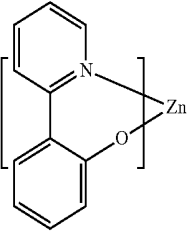
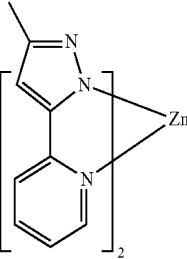
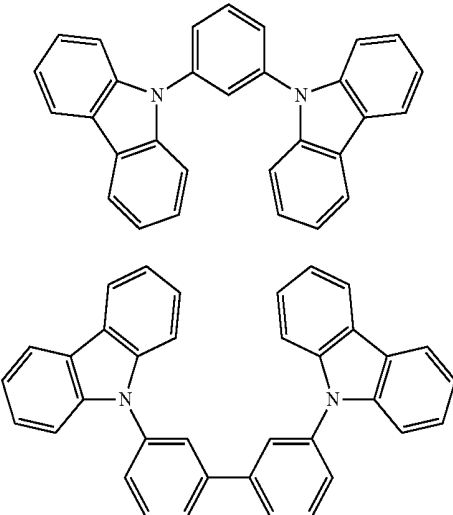
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
Tetraphenylene complexes		US20050112407
Metal phenoxypyridine compounds		WO2005030900
Metal coordination complexes (e.g., Zn, Al with N-N ligands)		US20040137268, US20040137267
Blue hosts		
Arylcarbazoles		Appl. Phys. Lett, 82, 2422 (2003)
		US20070190359

TABLE 4-continued

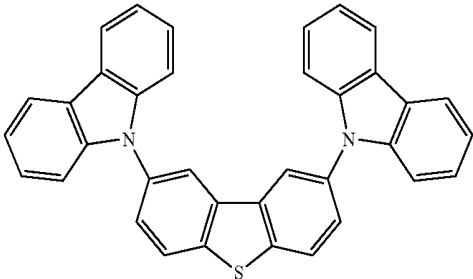
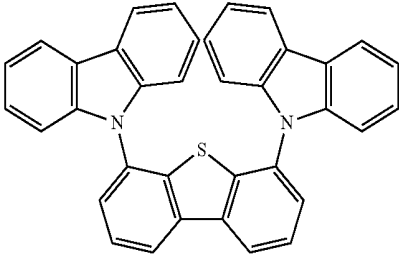
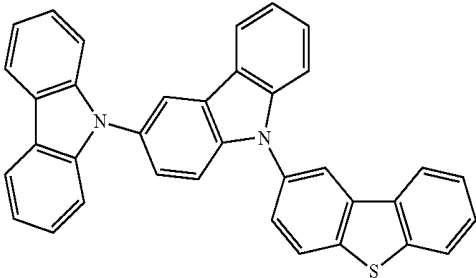
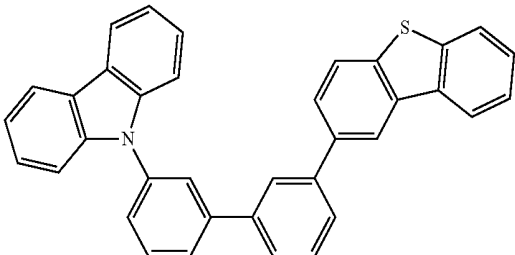
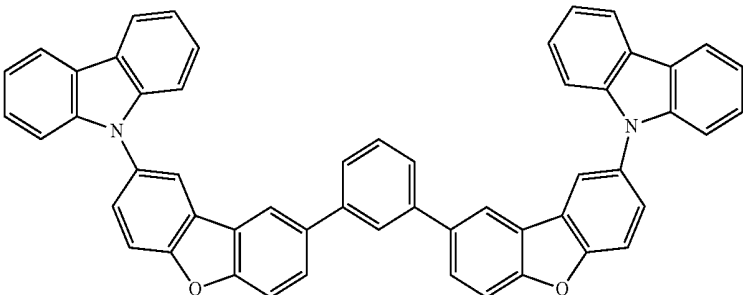
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
Dibenzothiophene/ Dibenzofuran- carbazole compounds		WO2006114966, US20090167162
		US20090167162
		WO2009086028
		US20090030202, US20090017330
		US20100084966

TABLE 4-continued

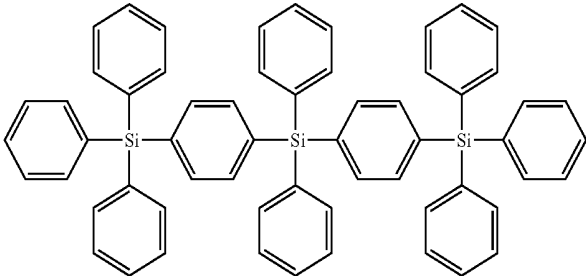
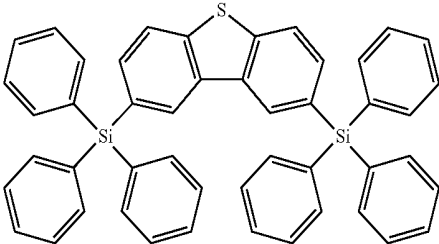
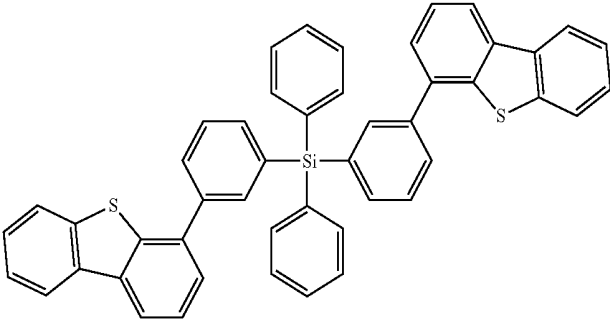
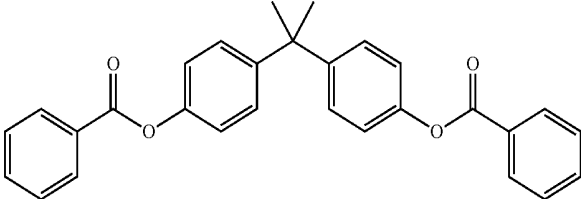
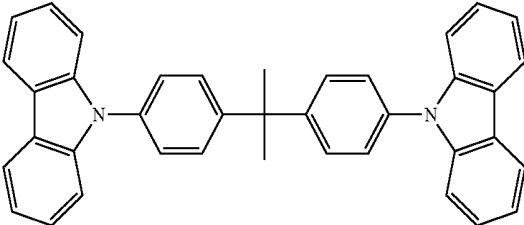
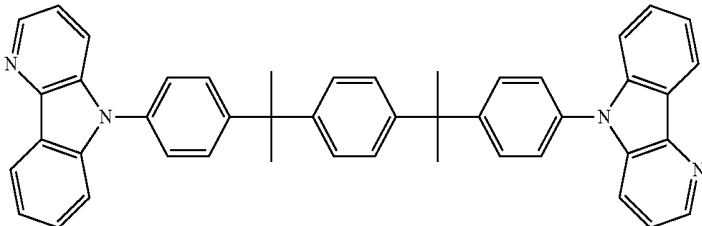
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
Silicon aryl compounds		US20050238919
		WO2009003898
Silicon/Germanium aryl compounds		EP2034538A
Aryl benzoyl ester		WO2006100298
Carbazole linked by non-conjugated groups		US20040115476
Aza-carbazoles		US20060121308

TABLE 4-continued

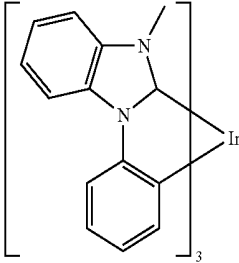
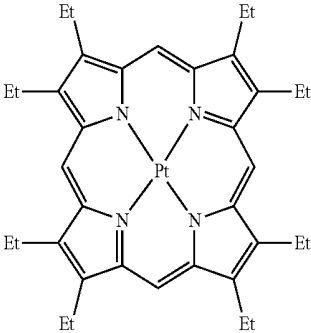
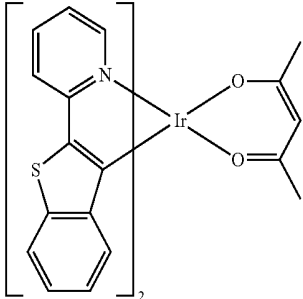
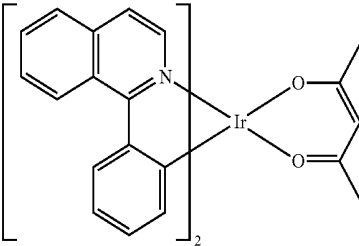
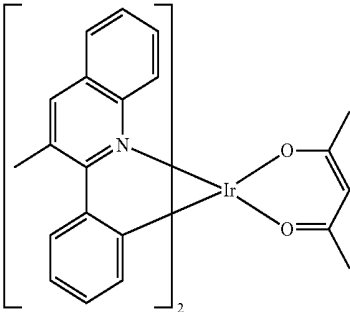
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
High triplet metal organometallic complex		U.S. Pat. No. 7,154,114
	Phosphorescent dopants Red dopants	
Heavy metal porphyrins (e.g., PtOEP)		Nature 395, 151 (1998)
Iridium(III) organometallic complexes		Appl. Phys. Lett. 78, 1622 (2001)
		US2006835469
		US2006835469

TABLE 4-continued

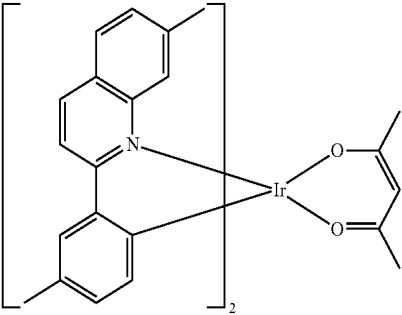
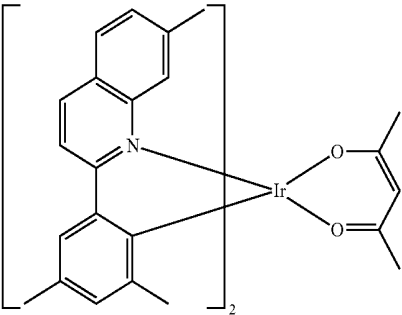
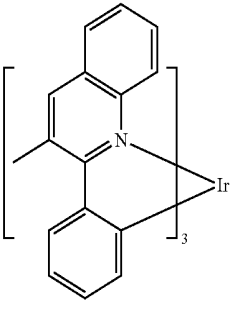
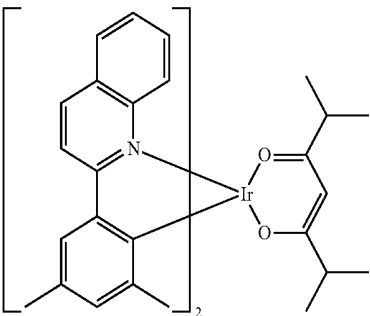
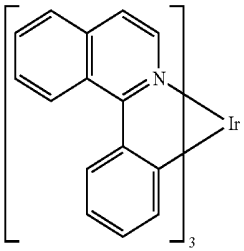
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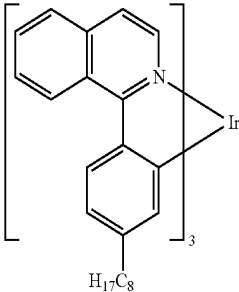
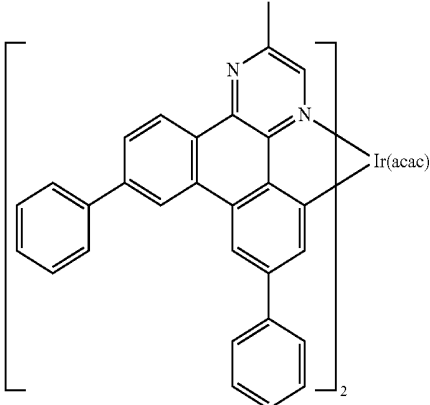
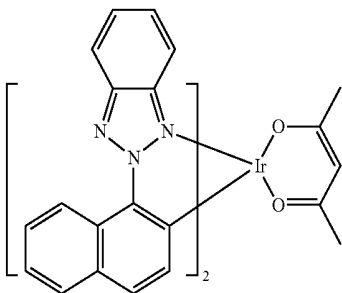
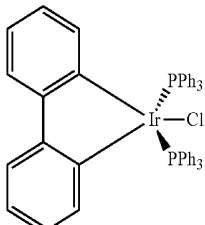
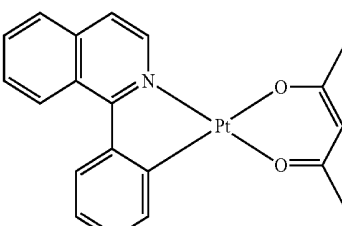
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
Platinum(II) organometallic complexes		Adv. Mater. 19, 739 (2007)
		WO2009100991
		WO2008101842
		U.S. Pat. No. 7,232,618
		WO2003040257

TABLE 4-continued

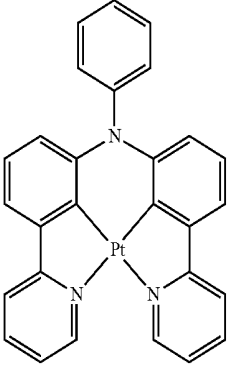
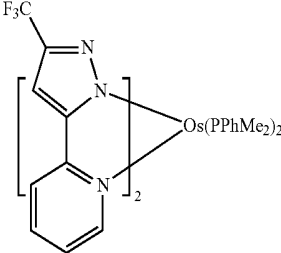
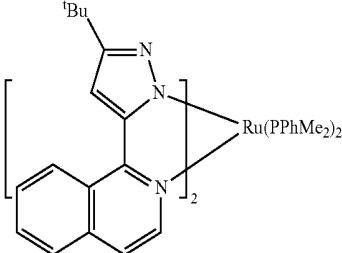
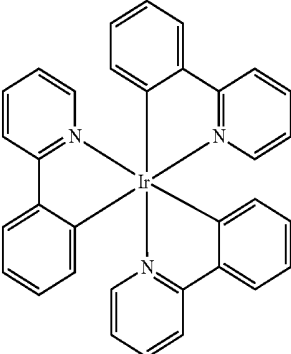
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
		US20070103060
Osmium(III) complexes		Chem. Mater. 17, 3532 (2005)
Ruthenium(II) complexes		Adv. Mater. 17, 1059 (2005)
Rhenium (I), (II), and (III) complexes	Green dopants	US20050244673
Iridium(III) organometallic complexes	 and its derivatives	Inorg. Chem. 40, 1704 (2001)

TABLE 4-continued

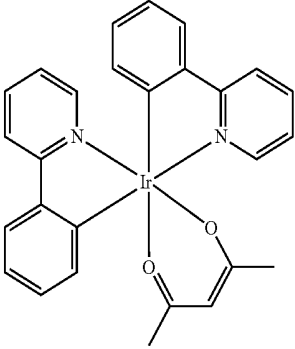
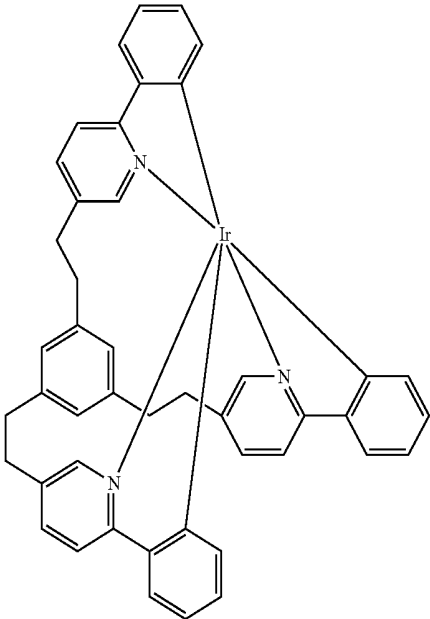
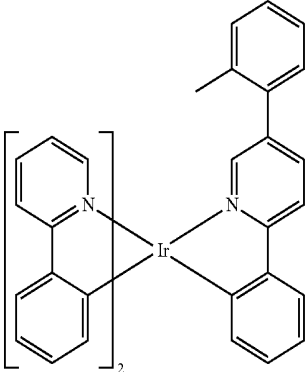
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		US20090108737 WO2010028151

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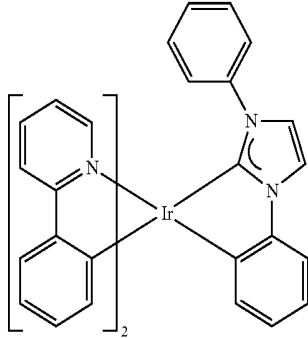
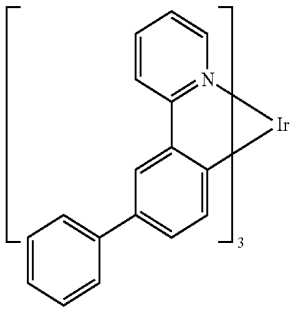
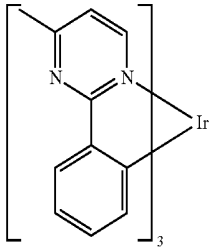
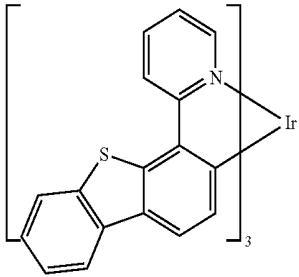
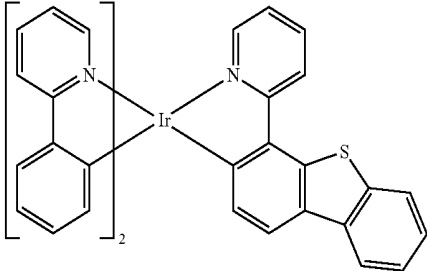
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		U.S. Pat. No. 6,921,915
		US20100244004

TABLE 4-continued

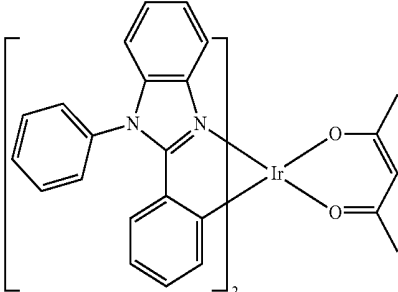
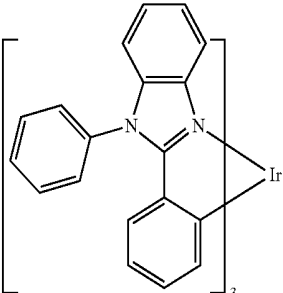
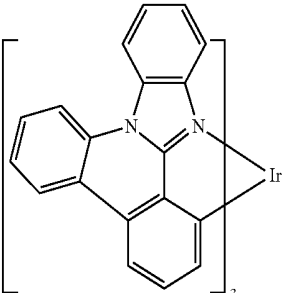
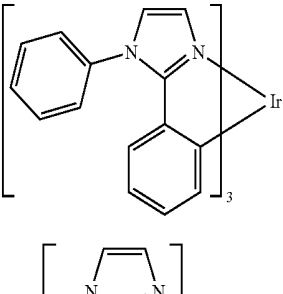
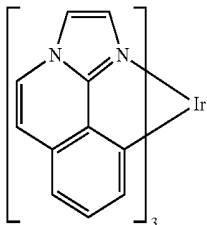
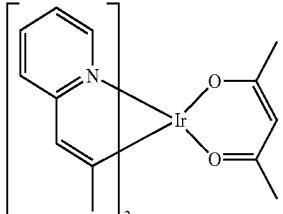
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
		U.S. Pat. No. 6,687,266
		Chem. Mater. 16, 2480 (2004)
		US20070190359
		US 20060008670 JP2007123392
		WO2010086089, WO2011044988
		Adv. Mater. 16, 2003 (2004)

TABLE 4-continued

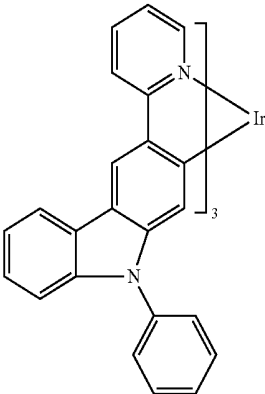
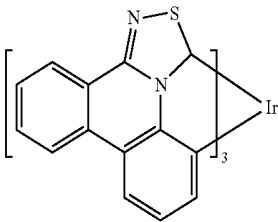
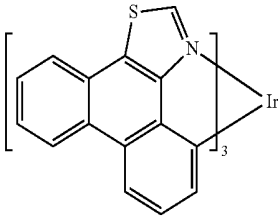
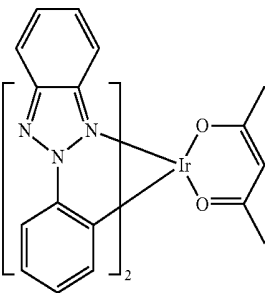
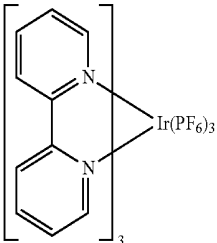
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		WO2009050290
		US20090165846
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		US20010015432

TABLE 4-continued

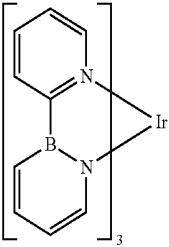
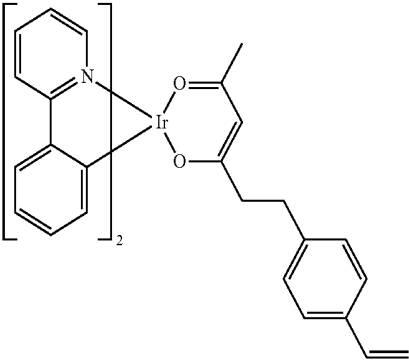
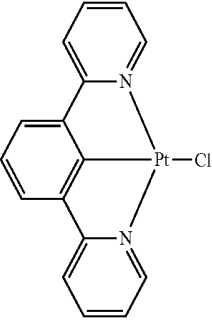
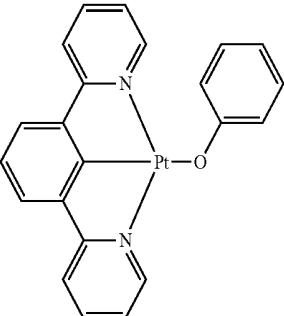
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
		US20100295032
Monomer for polymeric metal organometallic compounds		U.S. Pat. No. 7,250,226, U.S. Pat. No. 7,396,598
Pt(II) organometallic complexes, including polydentate ligands		Appl. Phys. Lett. 86, 153505 (2005)
		Appl. Phys. Lett. 86, 153505 (2005)

TABLE 4-continued

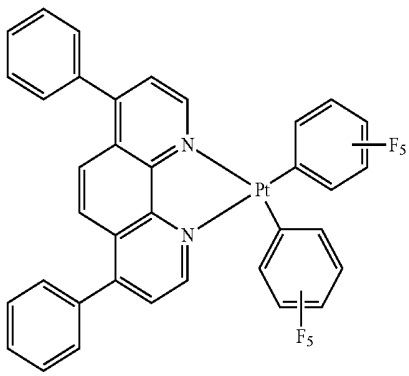
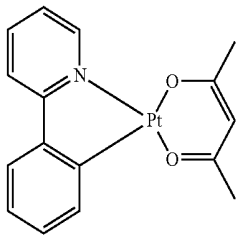
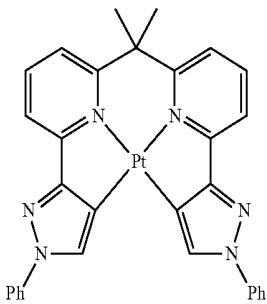
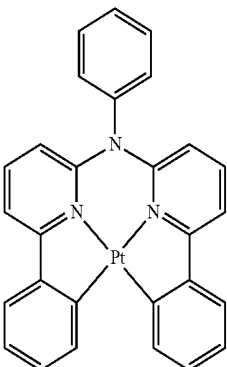
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
		Chem. Lett. 34, 592 (2005)
		WO2002015645
		US20060263635
		US20060182992 US20070103060

TABLE 4-continued

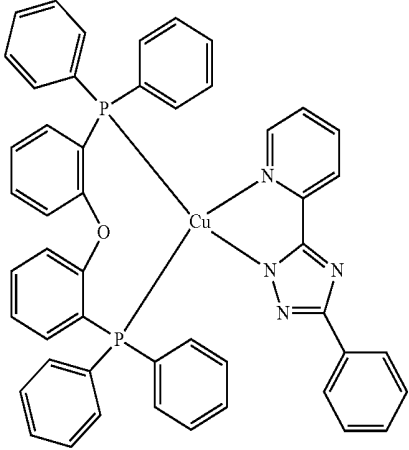
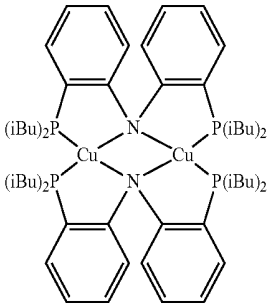
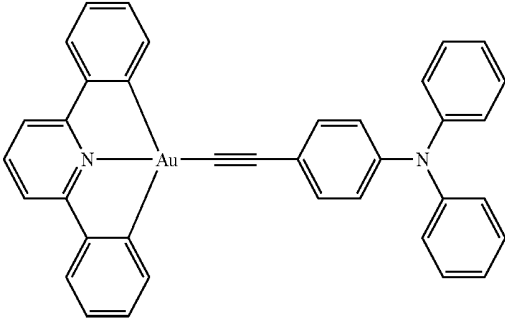
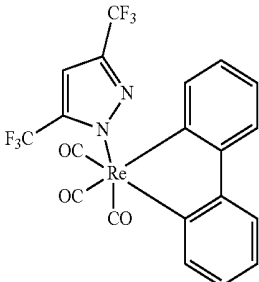
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
Cu complexes		WO2009000673
		US20070111026
Gold complexes		Chem. Commun. 2906 (2005)
Rhenium(III) complexes		Inorg. Chem. 42, 1248 (2003)

TABLE 4-continued

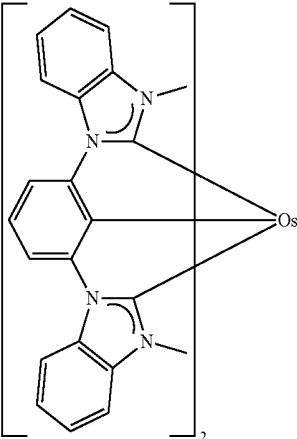
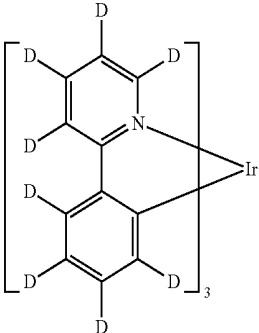
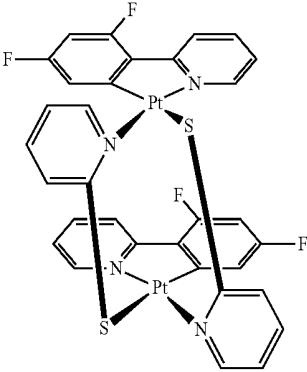
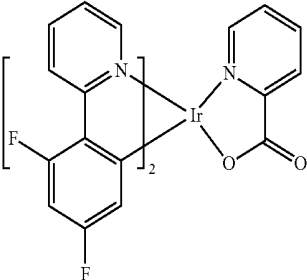
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
Osmium(II) complexes		U.S. Pat. No. 7,279,704
Deuterated organometallic complexes		US20030138657
Organometallic complexes with two or more metal centers		U.S. Pat. No. 7,090,928
Blue dopants		
Iridium(III) organometallic complexes		WO2002002714

TABLE 4-continued

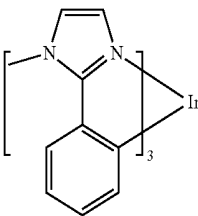
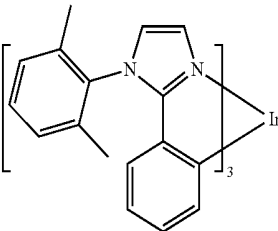
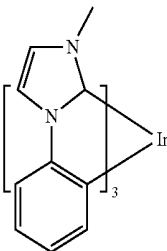
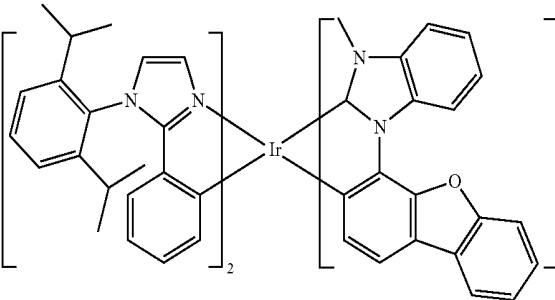
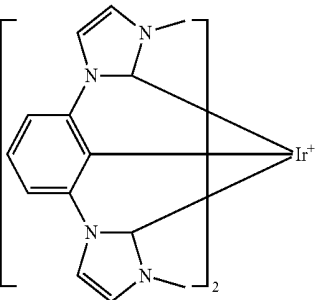
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
		WO2006009024
		US20060251923 US20110057559 US20110204333
		U.S. Pat. No. 7,393,599, WO2006056418, US20050260441, WO2005019373
		U.S. Pat. No. 7,534,505 WO2011051404
		U.S. Pat. No. 7,445,855

TABLE 4-continued

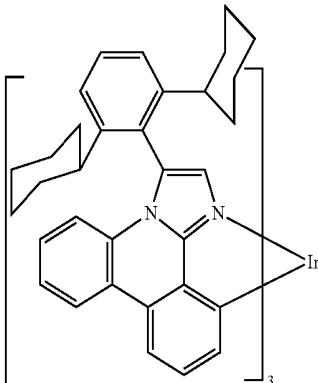
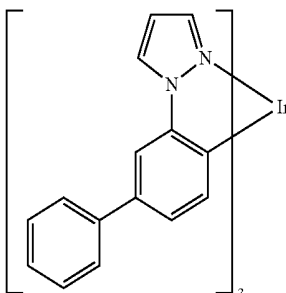
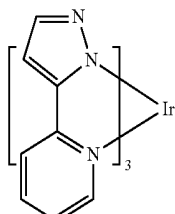
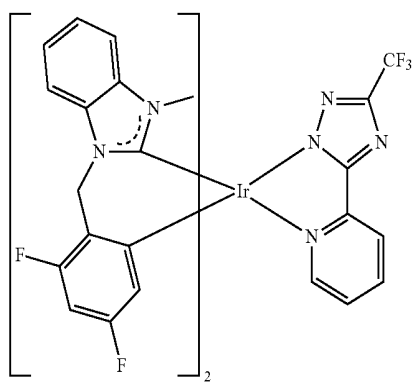
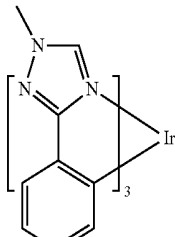
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		U.S. Pat. No. 7,338,722
		US20020134984
		Angew. Chem. Int. Ed. 47, 4542 (2008)
		Chem. Mater. 18, 5119 (2006)

TABLE 4-continued

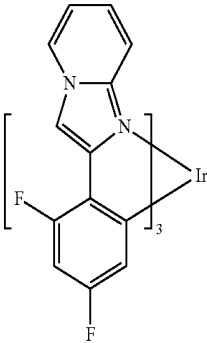
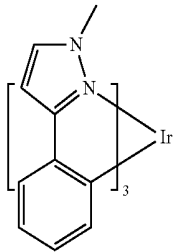
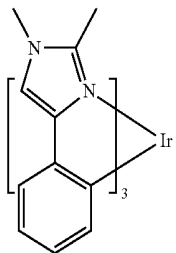
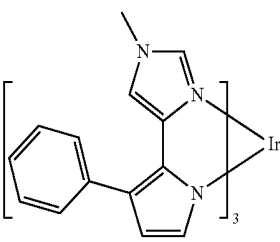
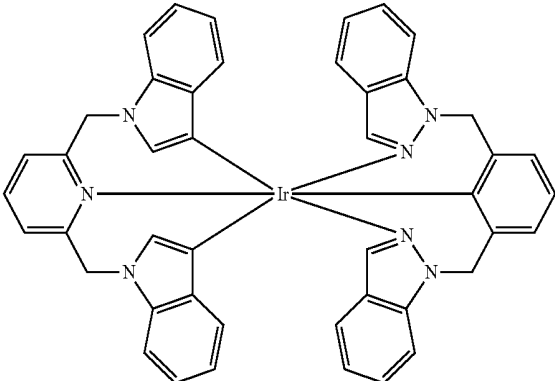
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		Inorg. Chem. 46, 4308 (2007)
		WO2005123873
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		WO2007004380
		WO2006082742

TABLE 4-continued

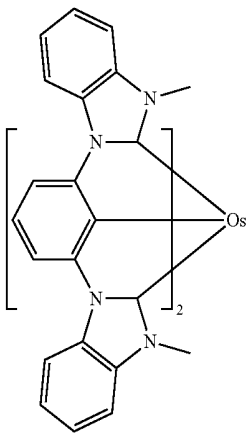
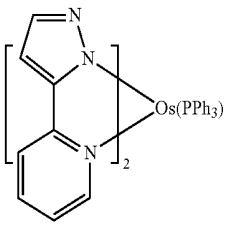
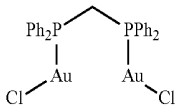
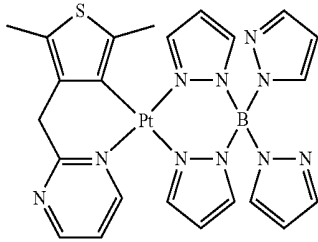
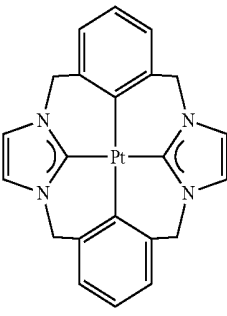
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
Osmium(II) complexes		U.S. Pat. No. 7,279,704
		Organometallics 23, 3745 (2004)
Gold complexes		Appl. Phys. Lett. 74, 1361 (1999)
Platinum(II) complexes		WO2006098120, WO2006103874
Pt tetradentate complexes with at least one metal-carbene bond		U.S. Pat. No. 7,655,323

TABLE 4-continued

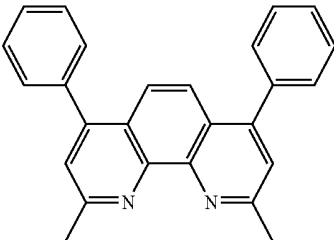
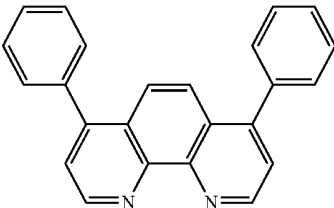
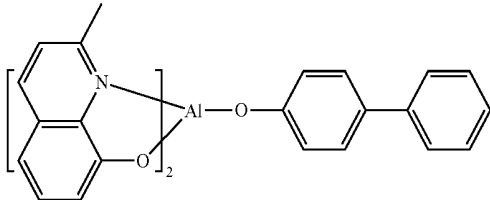
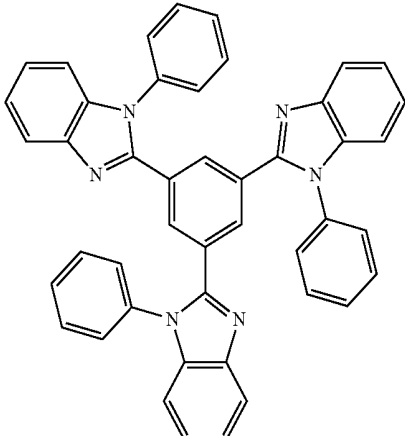
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
Exciton/hole blocking layer materials		
Bathocuprine compounds (e.g., BCP, BPhen)		Appl. Phys. Lett. 75, 4 (1999)
		Appl. Phys. Lett. 79, 449 (2001)
Metal 8-hydroxyquinolates (e.g., BAlq)		Appl. Phys. Lett. 81, 162 (2002)
5-member ring electron deficient heterocycles such as triazole, oxadiazole, imidazole, benzimidazole		Appl. Phys. Lett. 81, 162 (2002)

TABLE 4-continued

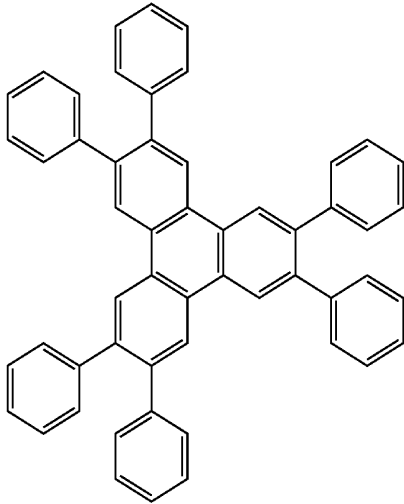
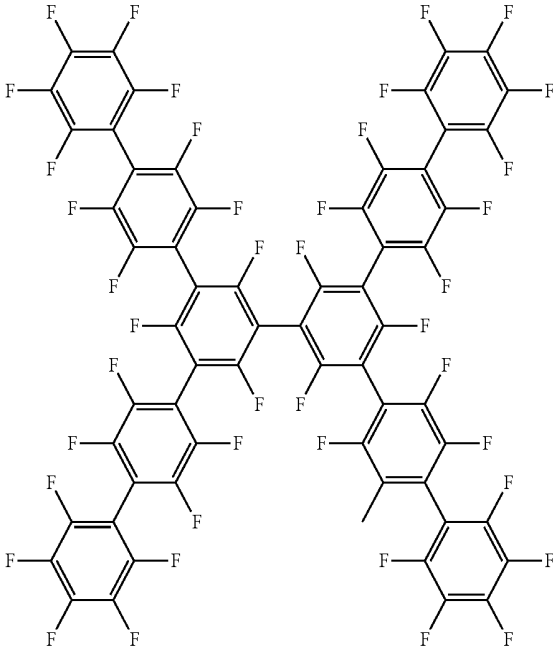
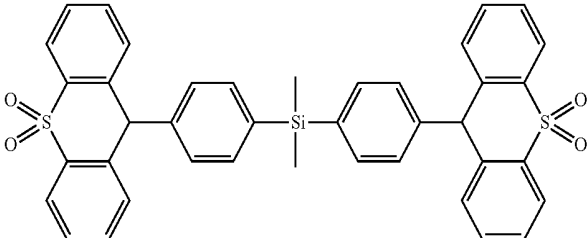
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
Triphenylene compounds		US20050025993
Fluorinated aromatic compounds		Appl. Phys. Lett. 79, 156 (2001)
Phenothiazine-S-oxide		WO2008132085

TABLE 4-continued

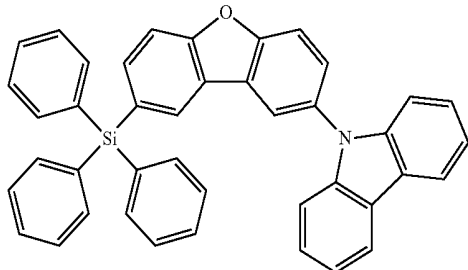
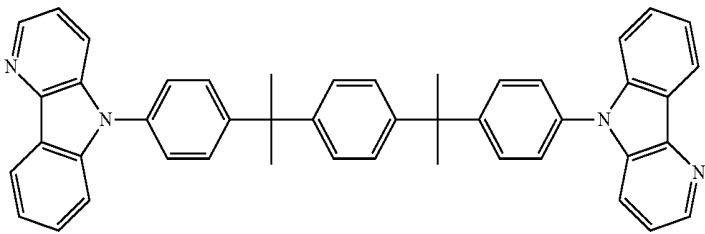
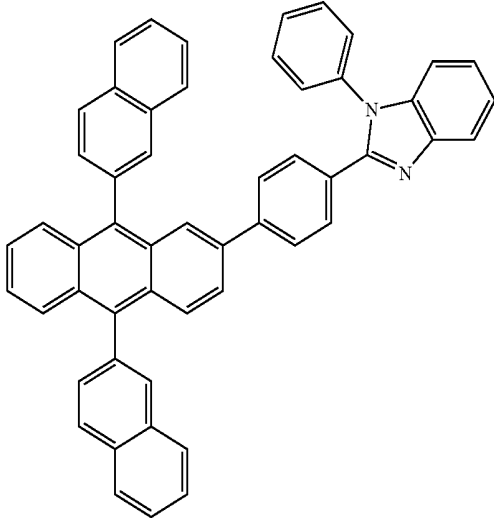
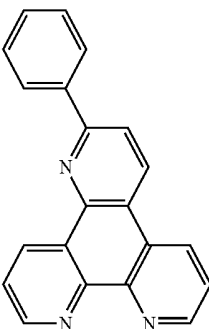
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
Silylated five-membered nitrogen, oxygen, sulfur or phosphorus dibenzoheterocycles		WO2010079051
Aza-carbazoles		US20060121308
Electron transporting materials		
Anthracene-benzimidazole compounds		WO2003060956
Aza triphenylene derivatives		US20090179554 US20090115316

TABLE 4-continued

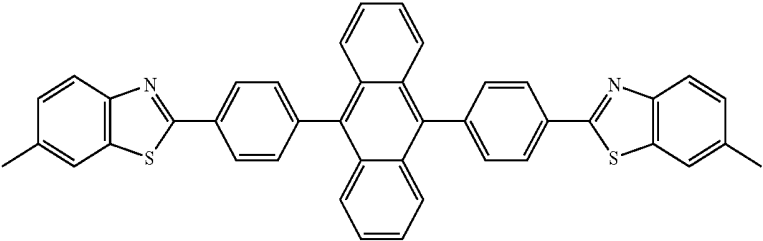
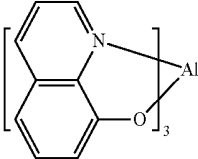
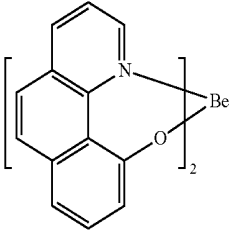
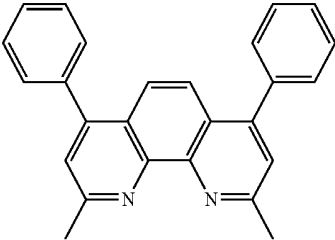
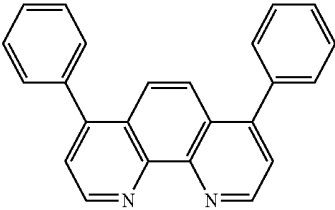
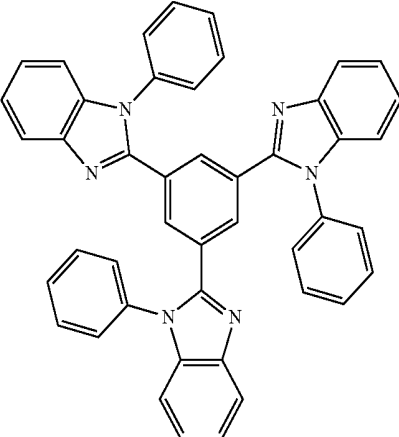
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
Anthracene-benzothiazole compounds		Appl. Phys. Lett. 89, 063504 (2006)
Metal 8-hydroxyquinolates (e.g., Alq ₃ , Zr _q ₄)		Appl. Phys. Lett. 51, 913 (1987) U.S. Pat. No. 7,230,107
Metal hydroxy- benzoquinolates		Chem. Lett. 5, 905 (1993)
Bathocuprine compounds such as BCP, BPhen, etc		Appl. Phys. Lett. 91, 263503 (2007)
		Appl. Phys. Lett. 79, 449 (2001)
5-member ring electron deficient heterocycles (e.g., triazole, oxadiazole, imidazole, benzimidazole)		Appl. Phys. Lett. 74, 865 (1999)

TABLE 4-continued

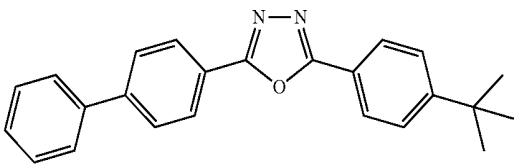
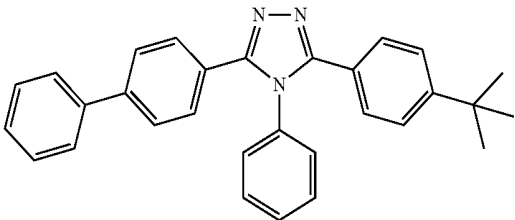
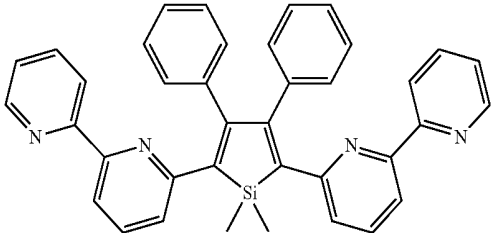
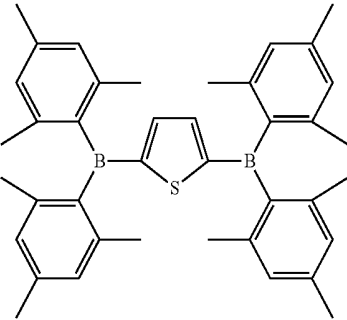
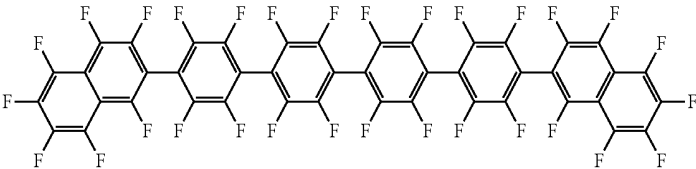
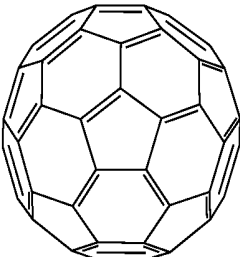
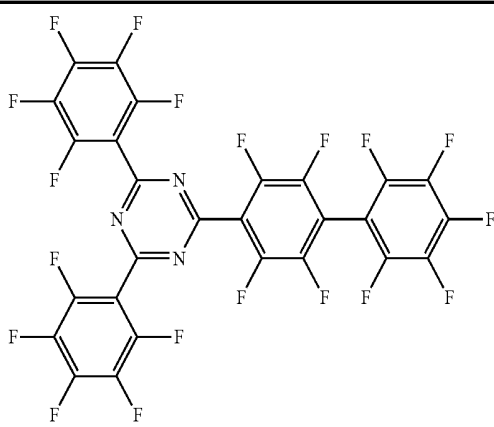
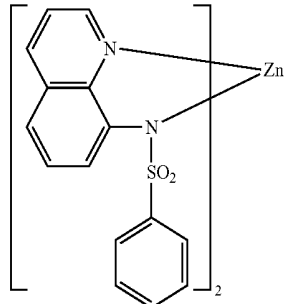
MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
		Appl. Phys. Lett. 55, 1489 (1989)
		Jpn. J. Apply. Phys. 32, L917 (1993)
Silole compounds		Org. Electron. 4, 113 (2003)
Arylborane compounds		J. Am. Chem. Soc. 120, 9714 (1998)
Fluorinated aromatic compounds		J. Am. Chem. Soc. 122, 1832 (2000)
Fullerene (e.g., C60)		US20090101870

TABLE 4-continued

MATERIAL	EXAMPLES OF MATERIAL	PUBLICATIONS
Triazine complexes		US20040036077
Zn (N ⁺ N ⁻) complexes		U.S. Pat. No. 6,528,187

EXPERIMENTAL

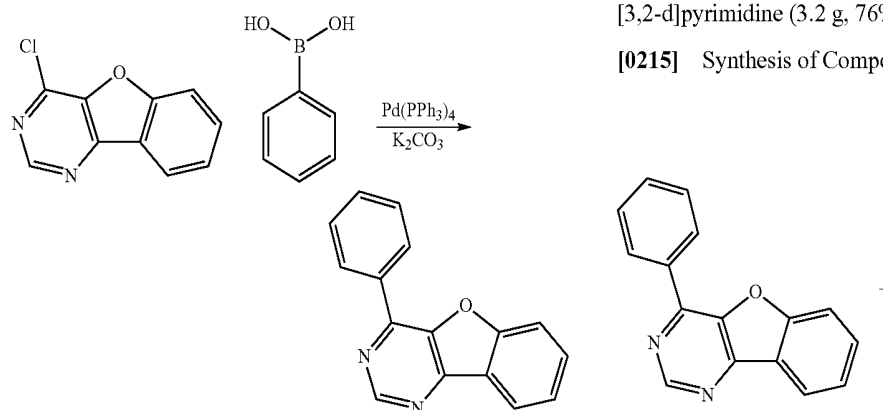
[0212] All reactions were carried out under nitrogen unless specified otherwise. All solvents for reactions are anhydrous and used as received from commercial sources.

Example 1

Synthesis of Compound 2881

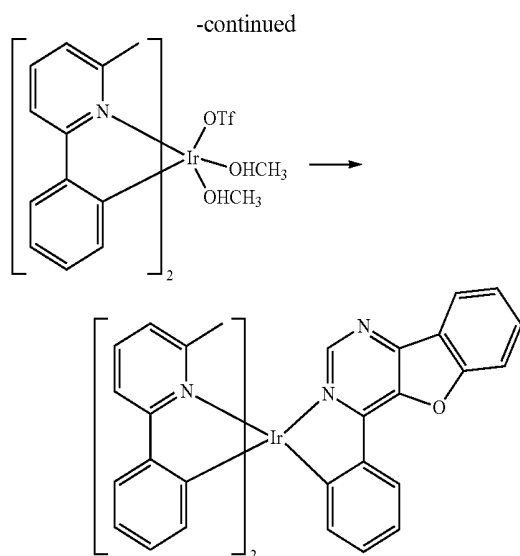
Synthesis of 4-phenylbenzofuro[3,2-d]pyrimidine

[0213]



[0214] 4-chlorobenzofuro[3,2-d]pyrimidine (3.50 g, 17.1 mmol), phenylboronic acid (2.61 g, 21.4 mmol), and K_2CO_3 (4.73 g, 34.2 mmol) were dissolved in toluene (95 mL) and water (19 mL), and the reaction mixture degassed by bubbling nitrogen for 15 minutes. $Pd(PPh_3)_4$ (0.99 g, 0.86 mmol) was then added and the mixture was heated to reflux overnight. Upon completion of the reaction, it was cooled to room temperature, extracted with toluene, and washed with water. The crude product was purified via column chromatography starting with heptanes/ethyl acetate (90/10 and slowly increasing to 75/25). The mobile phase was changed to heptanes/ethyl acetate/dichloromethane (65/25/10). The collected fractions were triturated from methanol to afford 4-phenylbenzofuro[3,2-d]pyrimidine (3.2 g, 76% yield).

[0215] Synthesis of Compound 2881



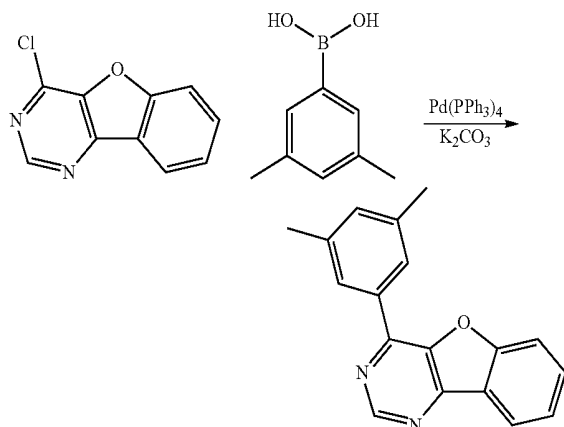
[0216] The Iridium intermediate (2.01 g, 2.71 mmol) and 4-phenylbenzofuro[3,2-d]pyrimidine (2.00 g, 8.12 mmol) were diluted with ethanol (27 mL) and heated to reflux for 36 hours. Upon complete consumption of the Timer as shown by high performance liquid chromatography (HPLC), the reaction mixture was cooled to room temperature. The solid was filtered through a pad of Celite and washed with methanol. The collection flask was then changed and the solid on the Celite was washed with dichloromethane. The crude product was purified via column chromatography using heptanes/ethyl acetate (80/20) followed by dichloromethane/ethyl acetate (60/40). The collected fractions were recrystallized 3 times from dichloromethane/methanol to afford Compound 2881 (1.2 g, 57% yield).

Example 2

Synthesis of Compound 6857

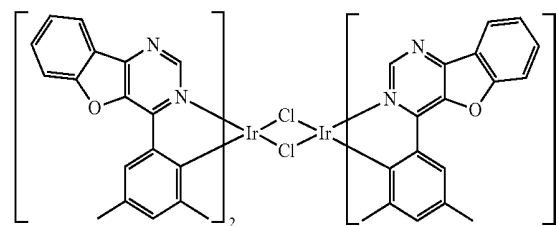
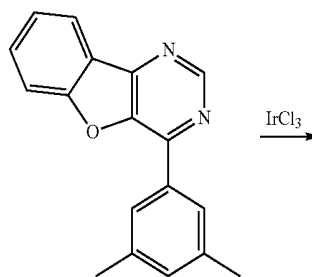
Synthesis of 4-(3,5-dimethylphenyl)benzofuro[3,2-d]pyrimidine

[0217]

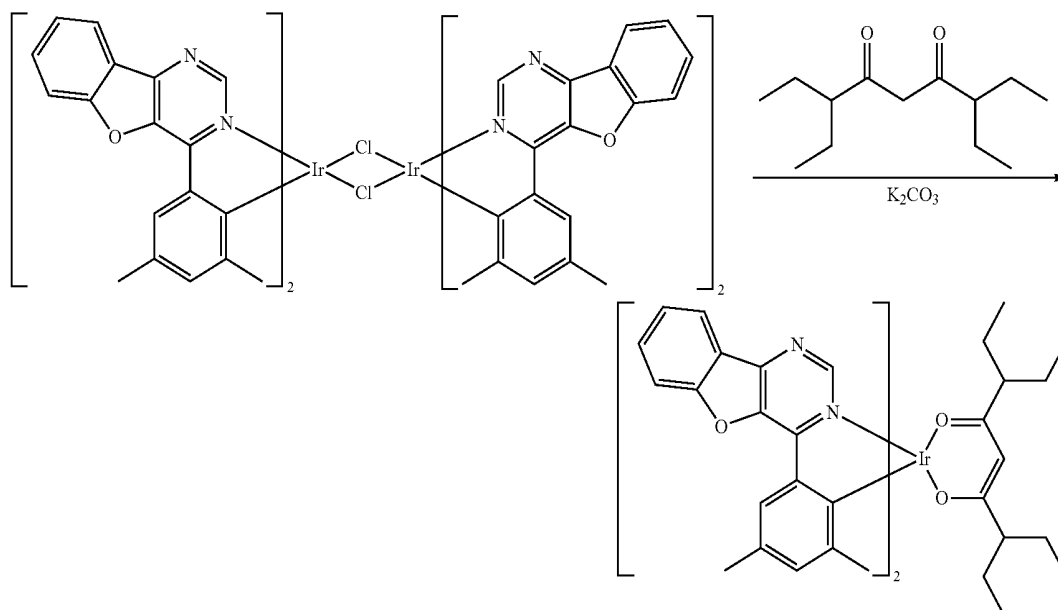


[0218] 4-chlorobenzofuro[3,2-d]pyrimidine (4.75 g, 23.2 mmol), (3,5-dimethylphenyl)boronic acid (4.35 g, 29.0 mmol), and K_2CO_3 (6.42 g, 46.4 mmol) were dissolved in toluene (130 mL) and water (26 mL). $Pd(PPh_3)_4$ (1.34 g, 1.16 mmol) was added and the mixture was degassed by bubbling nitrogen. The mixture was heated to 80° C. overnight. Upon completion of the reaction as determined by gas chromatography mass spectroscopy (GCMS), the mixture was cooled to room temperature, extracted with toluene, and washed with water. The crude material was coated on Celite and purified via column chromatography by using heptanes/ethyl acetate (80/20). The product was recrystallized from heptanes to afford 4-(3,5-dimethylphenyl)benzofuro[3,2-d]pyrimidine as white crystals (4.4 g, 69% yield).

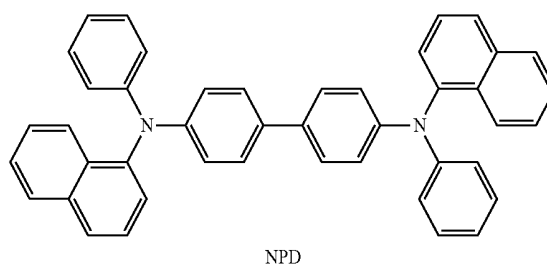
[0219] Synthesis of Ir(III) Dimer.



[0220] 4-(3,5-dimethylphenyl)benzofuro[3,2-d]pyrimidine (2.00 g, 7.29 mmol) was solubilized in ethoxyethanol (23 mL) and water (8 mL) and degassed by bubbling nitrogen for 15 minutes. Iridium chloride (0.90 g, 2.43 mmol) was added to the slurry (ligand is poorly soluble) and the reaction was heated to 105° C. under nitrogen for 24 hours. After cooling to room temperature, the solid was filtered, washed with methanol, and dried to give the Ir(III) Dimer (2.4 g, 128% yield) as an orange powder. The crude dimer contained free ligand, which gave higher than theoretical yield. The Ir(III) Dimer was used without further purification.

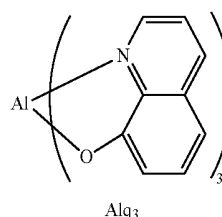
[0221] Synthesis of Compound 6857

[0222] Ir(III) dimer (2.4 g, 1.24 mmol) and 3,7-diethylnonane-4,6-dione (2.63 g, 12.4 mmol) were added to a round-bottom flask. The mixture was diluted with ethoxyethanol (40 mL), degassed by bubbling nitrogen, and K_2CO_3 (1.71 g, 12.4 mmol) was added. The mixture was stirred at room temperature for 1 hour and then heated at 90° C. overnight. The reaction mixture was diluted in dichloromethane and filtered through a pad of Celite. The crude product was then purified via column chromatography by using heptanes/dichloromethane (90/10). The red solid was recrystallized from a mixture of dichloromethane and heptanes to afford Compound 6857 (0.40 g, 17% yield).

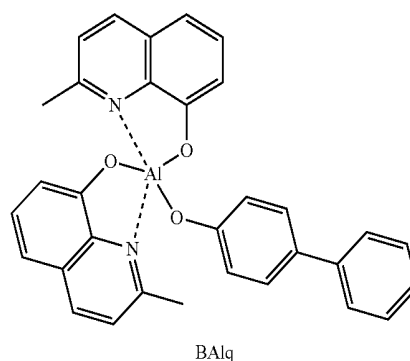


Device Examples

[0223] All example devices were fabricated by high vacuum ($<10^{-7}$ Torr) thermal evaporation. The anode electrode is 1200 Å of indium tin oxide (ITO). The cathode consisted of 10 Å of LiF followed by 1,000 Å of Al. All devices are encapsulated with a glass lid sealed with an epoxy resin in a nitrogen glove box (<1 ppm of H_2O and O_2) immediately after fabrication, and a moisture getter was incorporated inside the package.



[0224] The organic stack of the device examples consisted of sequentially, from the ITO surface, 100 Å of LG101 (purchased from LG Chem) as the hole injection layer (HIL), 400 Å of 4,4'-bis[N-(1-naphthyl)-N-phenylamino]biphenyl (NPD) as the hole transporting layer (HTL), 400 Å of the invention compound doped in BAQ as a host with as the emissive layer (EML), 100 Å of BAQ as a blocking layer (BL), and 450 Å of Alq₃ (tris-8-hydroxyquinoline aluminum) as the ETL.



[0225] The device results and data are summarized in Tables 5 and 6 from those devices. As used herein, NPD, Alq, BAQ have the following structures:

TABLE 5

Device structures of inventive compounds						
Example	HIL	HTL	EML (400 Å, doping %)		BL	ETL
Example 1	LG101 100 Å	NPD 400 Å	BAIq	Compound 2881 8%	BAIq 100 Å	Alq 450 Å
Example 2	LG101 100 Å	NPD 400 Å	BAIq	Compound 6857 8%	BAIq 100 Å	Alq 450 Å

TABLE 6

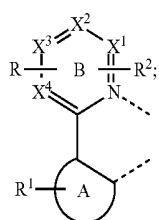
VTE device results							
1931 CIE			At 1,000 nits				
	CIE x	CIE y	λ max [nm]	FWHM [nm]	Voltage [V]	LE [cd/A]	EQE [%]
Example 1	0.65	0.35	620	78	8.2	18	15
Example 2	0.68	0.32	632	62	8.8	12	14

[0226] Table 6 summarizes the performance of the devices. The driving voltage (V), luminous efficiency (LE), external quantum efficiency (EQE), and power efficiency (PE) were measured at 1000 nits. Both examples showed red emission. Device example 1 showed a sRGB red color with a CIE of (0.65, 0.35) and good EQE of 15%. Device Example 2 showed very deep red color with a CIE of (0.68, 0.32) and good EQE of 14%. They can be used as red emitters in display and lighting applications. Compounds disclosed in WO2010118029 with only one nitrogen in the top part of the ligand can only emit the color in the green to yellow range, they cannot achieve the desired red color described here. Therefore, those compounds were not useful as red emitters.

[0227] It is understood that the various embodiments described herein are by way of example only, and are not intended to limit the scope of the invention. For example, many of the materials and structures described herein may be substituted with other materials and structures without deviating from the spirit of the invention. The present invention as claimed may therefore include variations from the particular examples and preferred embodiments described herein, as will be apparent to one of skill in the art. It is understood that various theories as to why the invention works are not intended to be limiting.

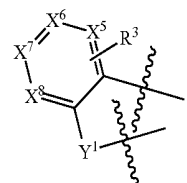
What is claimed is:

1. A compound comprising a ligand L_A of formula I:



wherein ring A is a 5-membered or 6-membered carbocyclic or heterocyclic ring;

wherein R is fused to ring B and has the formula II:



(II)

wherein the wave lines indicate bonds to ring B;

wherein R^1 and R^3 each independently represent mono, di, tri, or tetra substitution, or no substitution;

wherein R^2 represents mono or di substitution, or no substitution;

wherein X^1 , X^2 , X^3 , X^4 , X^5 , X^6 , X^7 , and X^8 are each independently carbon or nitrogen;

wherein at least one of X^1 , X^2 , X^3 , X^4 , X^5 , X^6 , X^7 , and X^8 is nitrogen;

wherein Y^1 is selected from the group consisting of BR' , NR' , PR' , O, S, Se, C=O, S=O, SO_2 , $CR'R''$, $SiR'R''$, and $GeR'R''$;

wherein R^1 , R^2 , R^3 , R' , and R'' are each independently selected from the group consisting of hydrogen, deuterium, halogen, alkyl, cycloalkyl, heteroalkyl, arylalkyl, alkoxy, aryloxy, amino, silyl, alkenyl, cycloalkenyl, heteroalkenyl, alkynyl, aryl, heteroaryl, acyl, carbonyl, carboxylic acid, ester, nitrile, isonitrile, sulfanyl, sulfinyl, sulfonyl, phosphino, and combinations thereof, or wherein any two adjacent substituents are optionally joined to form a ring, which can be further substituted;

wherein L_A is coordinated to a metal M;

wherein L_A is optionally linked with other ligands to comprise a tridentate, tetradentate, pentadentate, or hexadentate ligand; and

wherein M is optionally coordinated to other ligands.

2. The compound of claim 1, wherein M is selected from the group consisting of Ir, Rh, Re, Ru, Os, Pt, Au, and Cu.

3. The compound of claim 1, wherein M is Ir.

4. The compound of claim 1, wherein Y^1 is selected from the group consisting of NR' , O, S, and $CR'R''$.

5. The compound of claim 1, wherein Y^1 is O.

6. The compound of claim 1, wherein one of X^1 , X^2 , X^3 , X^4 , X^5 , X^6 , X^7 , and X^8 is nitrogen.

7. The compound of claim 1, wherein two of X^1 , X^2 , X^3 , X^4 , X^5 , X^6 , X^7 , and X^8 are nitrogen.

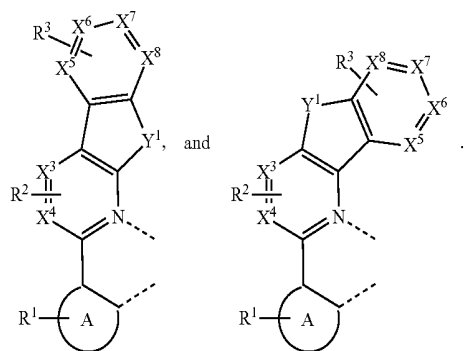
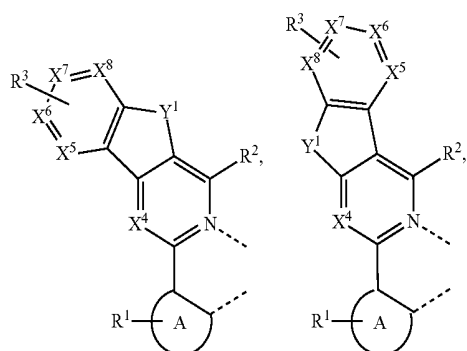
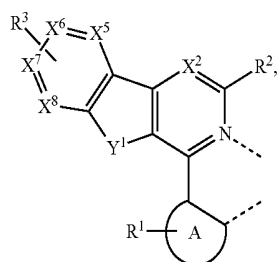
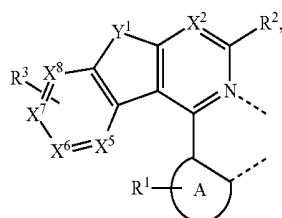
8. The compound of claim 1, wherein one of X^1 , X^2 , X^3 , and X^4 is nitrogen; and one of X^5 , X^6 , X^7 , and X^8 is nitrogen.

9. The compound of claim 1, wherein one of X^1 , X^2 , X^3 , X^4 is nitrogen; and X^5 , X^6 , X^7 , and X^8 are carbon.

10. The compound of claim 1, wherein X^2 is nitrogen; and X^1 , X^3 , X^4 , X^5 , X^6 , X^7 , and X^8 are carbon.

11. The compound of claim 1, wherein ring A is phenyl.

12. The compound of claim 1, wherein L_A is selected from the group consisting of:

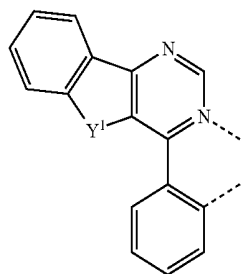


13. The compound of claim 1, wherein the compound has formula III-A:

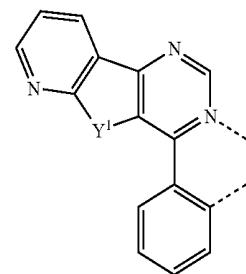


wherein L_B is a bidentate ligand; and n is 1, 2, or 3.

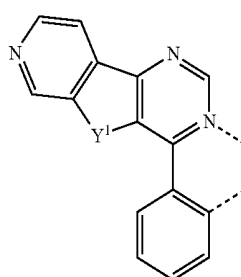
14. The compound of claim 13, wherein L_A is selected from the group consisting of L_{A1} to L_{A960} as shown below:



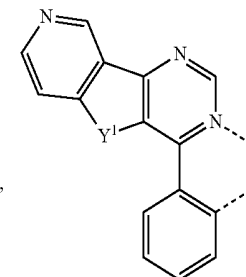
$Y_1 = O, L_{A1}$
 $Y_1 = S, L_{A2}$
 $Y_1 = NCH_3, L_{A3}$
 $Y_1 = C(CH_3)_2, L_{A4}$



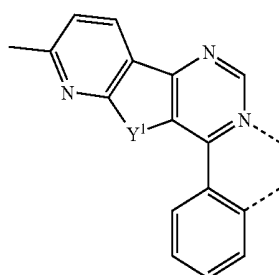
$Y_1 = O, L_{A5}$
 $Y_1 = S, L_{A6}$
 $Y_1 = NCH_3, L_{A7}$
 $Y_1 = C(CH_3)_2, L_{A8}$



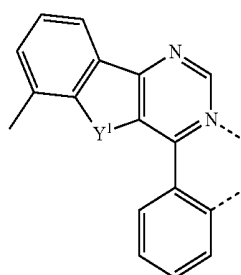
$Y_1 = O, L_{A9}$
 $Y_1 = S, L_{A10}$
 $Y_1 = NCH_3, L_{A11}$
 $Y_1 = C(CH_3)_2, L_{A12}$



$Y_1 = O, L_{A13}$
 $Y_1 = S, L_{A14}$
 $Y_1 = NCH_3, L_{A15}$
 $Y_1 = C(CH_3)_2, L_{A16}$

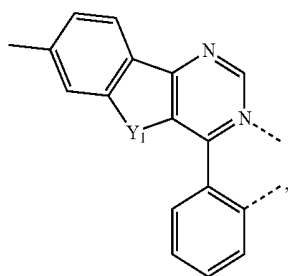


$Y_1 = O, L_{A17}$
 $Y_1 = S, L_{A18}$
 $Y_1 = NCH_3, L_{A19}$
 $Y_1 = C(CH_3)_2, L_{A20}$



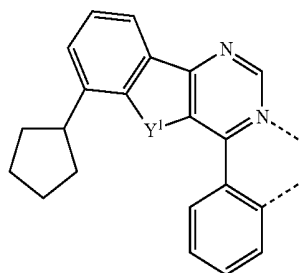
$Y_1 = O, L_{A21}$
 $Y_1 = S, L_{A22}$
 $Y_1 = NCH_3, L_{A23}$
 $Y_1 = C(CH_3)_2, L_{A24}$

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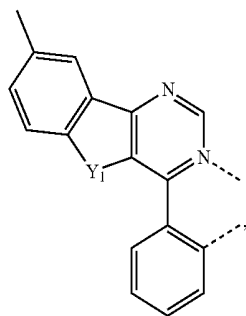


Y₁ = O, L_{A25}
Y₁ = S, L_{A26}
Y₁ = NCH₃, L_{A27}
Y₁ = C(CH₃)₂, L_{A28}

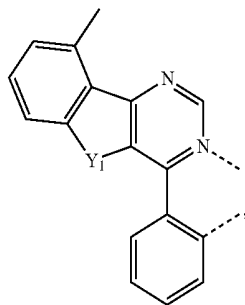
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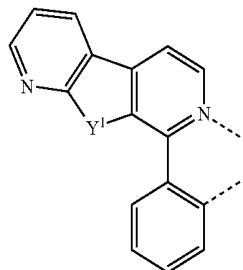
Y₁ = O, L_{A45}
Y₁ = S, L_{A46}
Y₁ = NCH₃, L_{A47}
Y₁ = C(CH₃)₂, L_{A48}



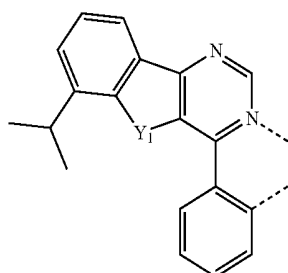
Y₁ = O, L_{A29}
Y₁ = S, L_{A30}
Y₁ = NCH₃, L_{A31}
Y₁ = C(CH₃)₂, L_{A32}



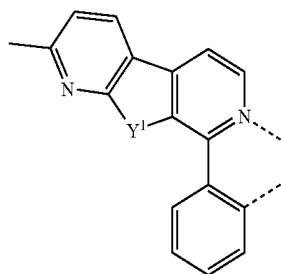
Y₁ = O, L_{A33}
Y₁ = S, L_{A34}
Y₁ = NCH₃, L_{A35}
Y₁ = C(CH₃)₂, L_{A36}



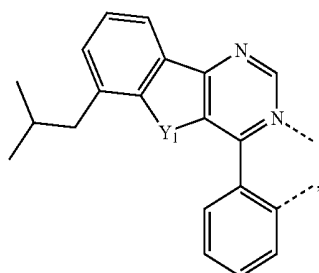
Y₁ = O, L_{A49}
Y₁ = S, L_{A50}
Y₁ = NCH₃, L_{A51}
Y₁ = C(CH₃)₂, L_{A52}



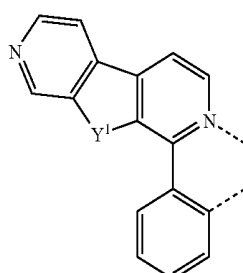
Y₁ = O, L_{A37}
Y₁ = S, L_{A38}
Y₁ = NCH₃, L_{A39}
Y₁ = C(CH₃)₂, L_{A40}



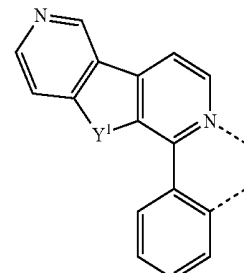
Y₁ = O, L_{A53}
Y₁ = S, L_{A54}
Y₁ = NCH₃, L_{A55}
Y₁ = C(CH₃)₂, L_{A56}



Y₁ = O, L_{A41}
Y₁ = S, L_{A42}
Y₁ = NCH₃, L_{A43}
Y₁ = C(CH₃)₂, L_{A44}

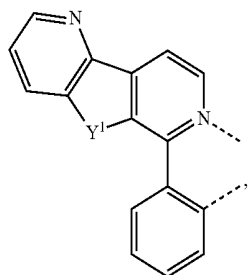


Y₁ = O, L_{A57}
Y₁ = S, L_{A58}
Y₁ = NCH₃, L_{A59}
Y₁ = C(CH₃)₂, L_{A60}

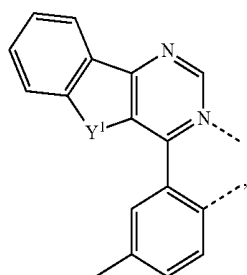


Y₁ = O, L_{A61}
Y₁ = S, L_{A62}
Y₁ = NCH₃, L_{A63}
Y₁ = C(CH₃)₂, L_{A64}

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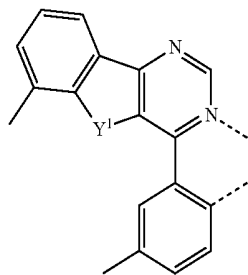


$Y_1 = O, L_{A65}$
 $Y_1 = S, L_{A66}$
 $Y_1 = NCH_3, L_{A67}$
 $Y_1 = C(CH_3)_2, L_{A68}$

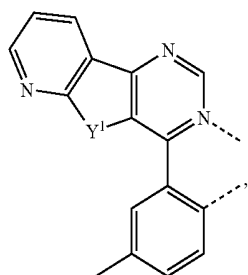


$Y_1 = O, L_{A69}$
 $Y_1 = S, L_{A70}$
 $Y_1 = NCH_3, L_{A71}$
 $Y_1 = C(CH_3)_2, L_{A72}$

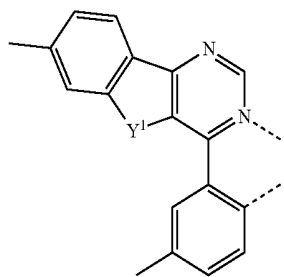
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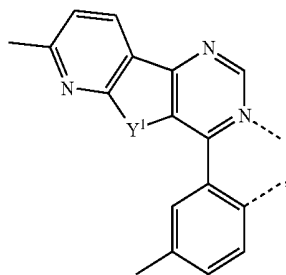
$Y_1 = O, L_{A89}$
 $Y_1 = S, L_{A90}$
 $Y_1 = NCH_3, L_{A91}$
 $Y_1 = C(CH_3)_2, L_{A92}$



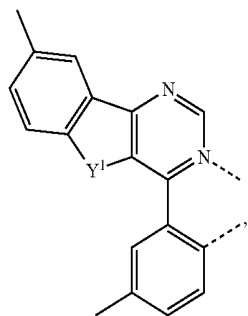
$Y_1 = O, L_{A73}$
 $Y_1 = S, L_{A74}$
 $Y_1 = NCH_3, L_{A75}$
 $Y_1 = C(CH_3)_2, L_{A76}$



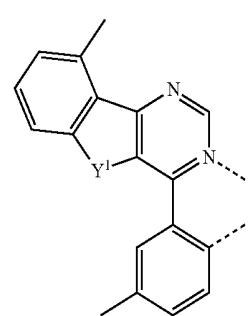
$Y_1 = O, L_{A93}$
 $Y_1 = S, L_{A94}$
 $Y_1 = NCH_3, L_{A95}$
 $Y_1 = C(CH_3)_2, L_{A96}$



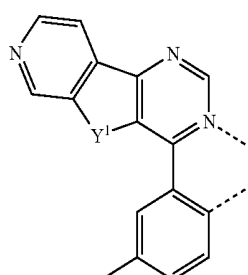
$Y_1 = O, L_{A77}$
 $Y_1 = S, L_{A78}$
 $Y_1 = NCH_3, L_{A79}$
 $Y_1 = C(CH_3)_2, L_{A80}$



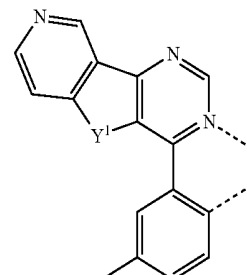
$Y_1 = O, L_{A97}$
 $Y_1 = S, L_{A98}$
 $Y_1 = NCH_3, L_{A99}$
 $Y_1 = C(CH_3)_2, L_{A100}$



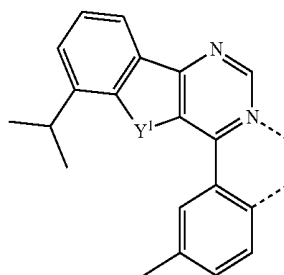
$Y_1 = O, L_{A101}$
 $Y_1 = S, L_{A102}$
 $Y_1 = NCH_3, L_{A103}$
 $Y_1 = C(CH_3)_2, L_{A104}$



$Y_1 = O, L_{A81}$
 $Y_1 = S, L_{A82}$
 $Y_1 = NCH_3, L_{A83}$
 $Y_1 = C(CH_3)_2, L_{A84}$

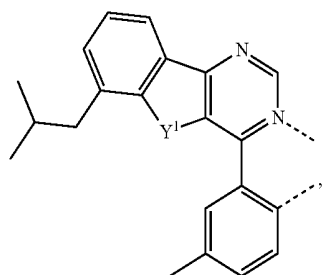


$Y_1 = O, L_{A85}$
 $Y_1 = S, L_{A86}$
 $Y_1 = NCH_3, L_{A87}$
 $Y_1 = C(CH_3)_2, L_{A88}$

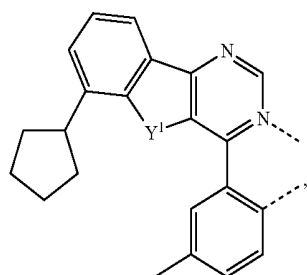


$Y_1 = O, L_{A105}$
 $Y_1 = S, L_{A106}$
 $Y_1 = NCH_3, L_{A107}$
 $Y_1 = C(CH_3)_2, L_{A108}$

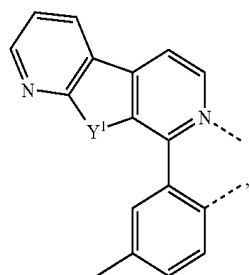
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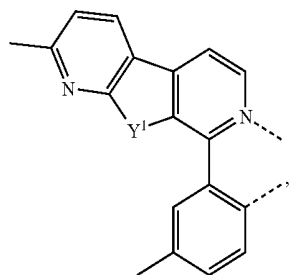
$Y_1 = O, L_{A109}$
 $Y_1 = S, L_{A110}$
 $Y_1 = NCH_3, L_{A111}$
 $Y_1 = C(CH_3)_2, L_{A112}$



$Y_1 = O, L_{A113}$
 $Y_1 = S, L_{A114}$
 $Y_1 = NCH_3, L_{A115}$
 $Y_1 = C(CH_3)_2, L_{A116}$

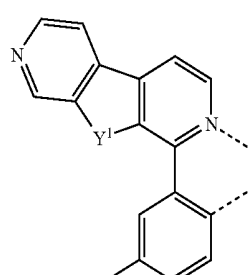


$Y_1 = O, L_{A117}$
 $Y_1 = S, L_{A118}$
 $Y_1 = NCH_3, L_{A119}$
 $Y_1 = C(CH_3)_2, L_{A120}$

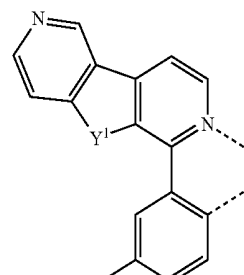


$Y_1 = O, L_{A121}$
 $Y_1 = S, L_{A122}$
 $Y_1 = NCH_3, L_{A123}$
 $Y_1 = C(CH_3)_2, L_{A124}$

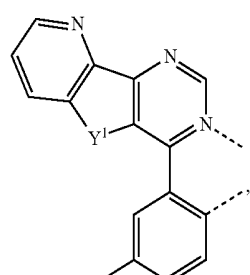
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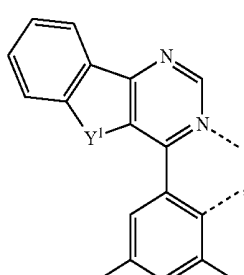
$Y_1 = O, L_{A125}$
 $Y_1 = S, L_{A126}$
 $Y_1 = NCH_3, L_{A127}$
 $Y_1 = C(CH_3)_2, L_{A128}$



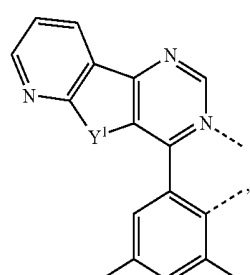
$Y_1 = O, L_{A129}$
 $Y_1 = S, L_{A130}$
 $Y_1 = NCH_3, L_{A131}$
 $Y_1 = C(CH_3)_2, L_{A132}$



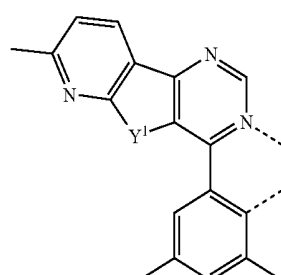
$Y_1 = O, L_{A133}$
 $Y_1 = S, L_{A134}$
 $Y_1 = NCH_3, L_{A135}$
 $Y_1 = C(CH_3)_2, L_{A136}$



$Y_1 = O, L_{A137}$
 $Y_1 = S, L_{A138}$
 $Y_1 = NCH_3, L_{A139}$
 $Y_1 = C(CH_3)_2, L_{A140}$

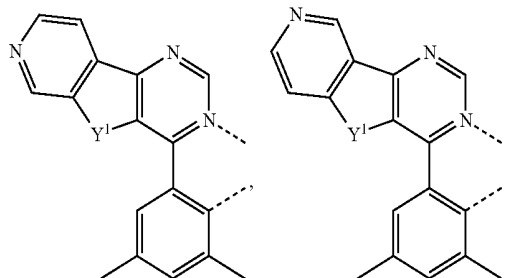


$Y_1 = O, L_{A141}$
 $Y_1 = S, L_{A142}$
 $Y_1 = NCH_3, L_{A143}$
 $Y_1 = C(CH_3)_2, L_{A144}$



$Y_1 = O, L_{A145}$
 $Y_1 = S, L_{A146}$
 $Y_1 = NCH_3, L_{A147}$
 $Y_1 = C(CH_3)_2, L_{A148}$

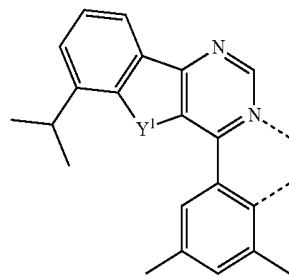
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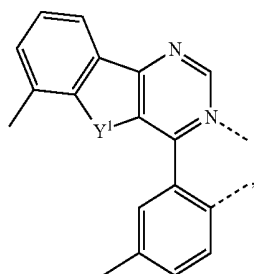
Y₁ = O, L_{A149}
Y₁ = S, L_{A150}
Y₁ = NCH₃, L_{A151}
Y₁ = C(CH₃)₂, L_{A152}

Y₁ = O, L_{A153}
Y₁ = S, L_{A154}
Y₁ = NCH₃, L_{A155}
Y₁ = C(CH₃)₂, L_{A156}

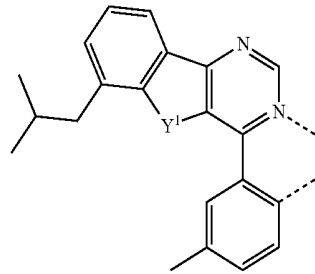
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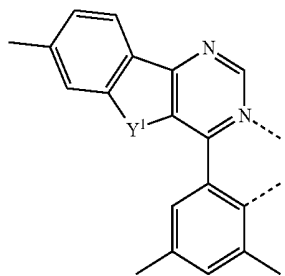
Y₁ = O, L_{A173}
Y₁ = S, L_{A174}
Y₁ = NCH₃, L_{A175}
Y₁ = C(CH₃)₂, L_{A176}



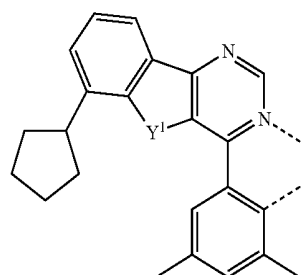
Y₁ = O, L_{A157}
Y₁ = S, L_{A158}
Y₁ = NCH₃, L_{A159}
Y₁ = C(CH₃)₂, L_{A160}



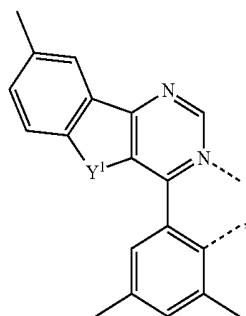
Y₁ = O, L_{A177}
Y₁ = S, L_{A178}
Y₁ = NCH₃, L_{A179}
Y₁ = C(CH₃)₂, L_{A180}



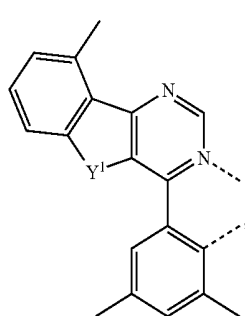
Y₁ = O, L_{A161}
Y₁ = S, L_{A162}
Y₁ = NCH₃, L_{A163}
Y₁ = C(CH₃)₂, L_{A164}



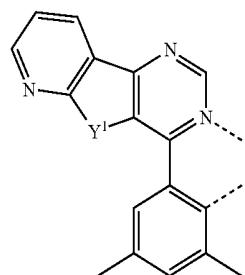
Y₁ = O, L_{A181}
Y₁ = S, L_{A182}
Y₁ = NCH₃, L_{A183}
Y₁ = C(CH₃)₂, L_{A184}



Y₁ = O, L_{A165}
Y₁ = S, L_{A166}
Y₁ = NCH₃, L_{A167}
Y₁ = C(CH₃)₂, L_{A168}

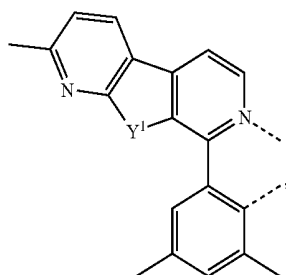


Y₁ = O, L_{A169}
Y₁ = S, L_{A170}
Y₁ = NCH₃, L_{A171}
Y₁ = C(CH₃)₂, L_{A172}

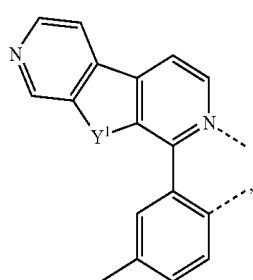


Y₁ = O, L_{A185}
Y₁ = S, L_{A186}
Y₁ = NCH₃, L_{A187}
Y₁ = C(CH₃)₂, L_{A188}

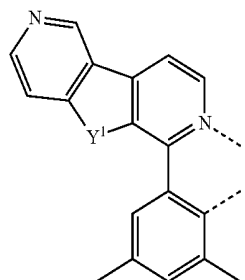
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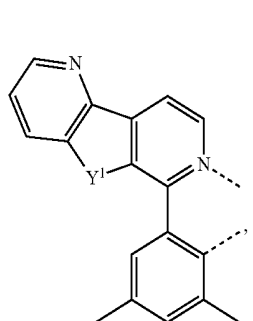
$Y_1 = O$, L_{A189}
 $Y_1 = S$, L_{A190}
 $Y_1 = NCH_3$, L_{A191}
 $Y_1 = C(CH_3)_2$, L_{A192}



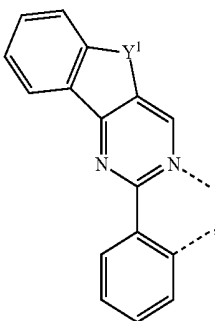
$Y_1 = O$, L_{A193}
 $Y_1 = S$, L_{A194}
 $Y_1 = NCH_3$, L_{A195}
 $Y_1 = C(CH_3)_2$, L_{A196}



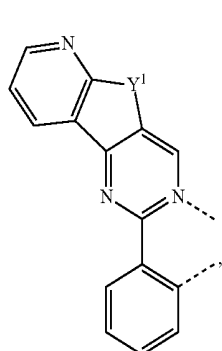
$Y_1 = O$, L_{A197}
 $Y_1 = S$, L_{A198}
 $Y_1 = NCH_3$, L_{A199}
 $Y_1 = C(CH_3)_2$, L_{A200}



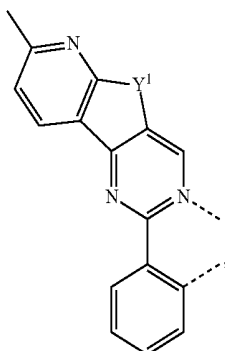
$Y_1 = O$, L_{A201}
 $Y_1 = S$, L_{A202}
 $Y_1 = NCH_3$, L_{A203}
 $Y_1 = C(CH_3)_2$, L_{A204}



$Y_1 = O$, L_{A205}
 $Y_1 = S$, L_{A206}
 $Y_1 = NCH_3$, L_{A207}
 $Y_1 = C(CH_3)_2$, L_{A208}

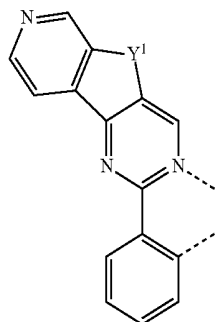


$Y_1 = O$, L_{A209}
 $Y_1 = S$, L_{A210}
 $Y_1 = NCH_3$, L_{A211}
 $Y_1 = C(CH_3)_2$, L_{A212}

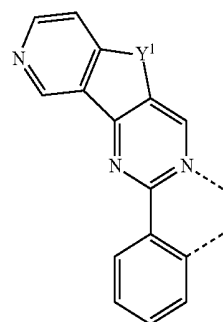


$Y_1 = O$, L_{A213}
 $Y_1 = S$, L_{A214}
 $Y_1 = NCH_3$, L_{A215}
 $Y_1 = C(CH_3)_2$, L_{A216}

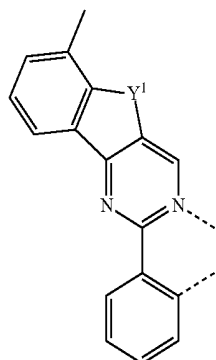
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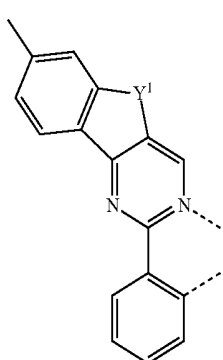
$Y_1 = O$, L_{A217}
 $Y_1 = S$, L_{A218}
 $Y_1 = NCH_3$, L_{A219}
 $Y_1 = C(CH_3)_2$, L_{A220}



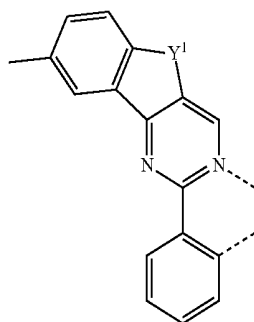
$Y_1 = O$, L_{A221}
 $Y_1 = S$, L_{A222}
 $Y_1 = NCH_3$, L_{A223}
 $Y_1 = C(CH_3)_2$, L_{A224}



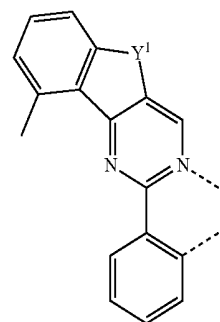
$Y_1 = O$, L_{A225}
 $Y_1 = S$, L_{A226}
 $Y_1 = NCH_3$, L_{A227}
 $Y_1 = C(CH_3)_2$, L_{A228}



$Y_1 = O$, L_{A229}
 $Y_1 = S$, L_{A230}
 $Y_1 = NCH_3$, L_{A231}
 $Y_1 = C(CH_3)_2$, L_{A232}

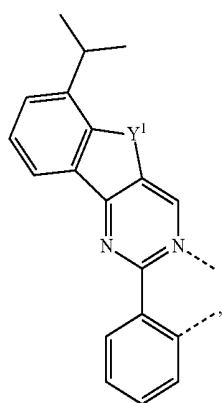


$Y_1 = O$, L_{A233}
 $Y_1 = S$, L_{A234}
 $Y_1 = NCH_3$, L_{A235}
 $Y_1 = C(CH_3)_2$, L_{A236}

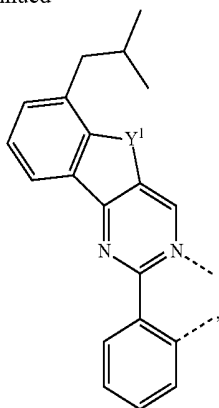


$Y_1 = O$, L_{A237}
 $Y_1 = S$, L_{A238}
 $Y_1 = NCH_3$, L_{A239}
 $Y_1 = C(CH_3)_2$, L_{A240}

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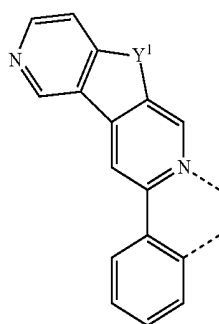


$Y_1 = O, L_{A241}$
 $Y_1 = S, L_{A242}$
 $Y_1 = NCH_3, L_{A243}$
 $Y_1 = C(CH_3)_2, L_{A244}$

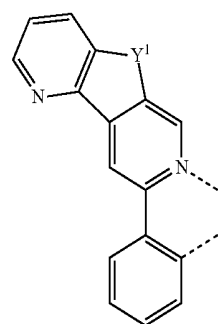


$Y_1 = O, L_{A245}$
 $Y_1 = S, L_{A246}$
 $Y_1 = NCH_3, L_{A247}$
 $Y_1 = C(CH_3)_2, L_{A248}$

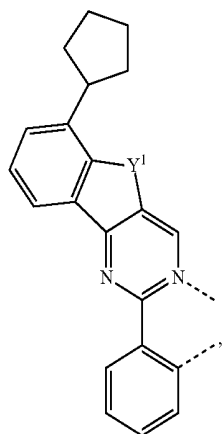
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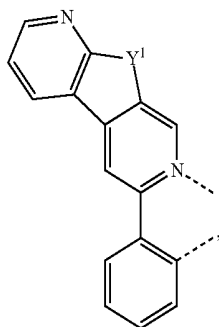
$Y_1 = O, L_{A265}$
 $Y_1 = S, L_{A266}$
 $Y_1 = NCH_3, L_{A267}$
 $Y_1 = C(CH_3)_2, L_{A268}$



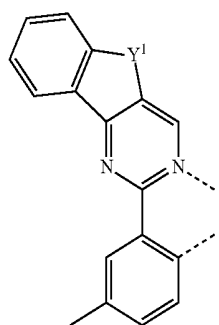
$Y_1 = O, L_{A269}$
 $Y_1 = S, L_{A270}$
 $Y_1 = NCH_3, L_{A271}$
 $Y_1 = C(CH_3)_2, L_{A272}$



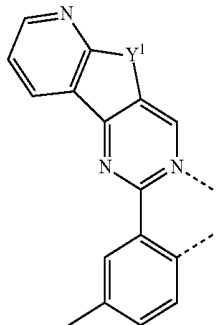
$Y_1 = O, L_{A249}$
 $Y_1 = S, L_{A250}$
 $Y_1 = NCH_3, L_{A251}$
 $Y_1 = C(CH_3)_2, L_{A252}$



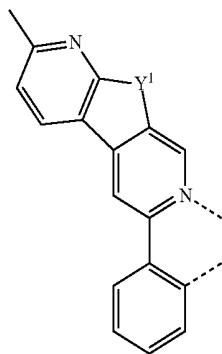
$Y_1 = O, L_{A253}$
 $Y_1 = S, L_{A254}$
 $Y_1 = NCH_3, L_{A255}$
 $Y_1 = C(CH_3)_2, L_{A256}$



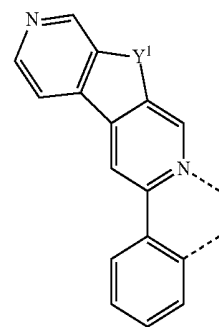
$Y_1 = O, L_{A273}$
 $Y_1 = S, L_{A274}$
 $Y_1 = NCH_3, L_{A275}$
 $Y_1 = C(CH_3)_2, L_{A276}$



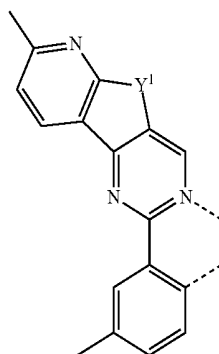
$Y_1 = O, L_{A277}$
 $Y_1 = S, L_{A278}$
 $Y_1 = NCH_3, L_{A279}$
 $Y_1 = C(CH_3)_2, L_{A280}$



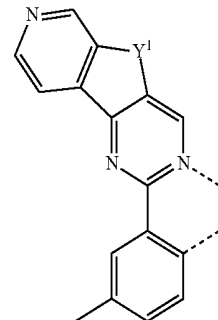
$Y_1 = O, L_{A257}$
 $Y_1 = S, L_{A258}$
 $Y_1 = NCH_3, L_{A259}$
 $Y_1 = C(CH_3)_2, L_{A260}$



$Y_1 = O, L_{A261}$
 $Y_1 = S, L_{A262}$
 $Y_1 = NCH_3, L_{A263}$
 $Y_1 = C(CH_3)_2, L_{A264}$

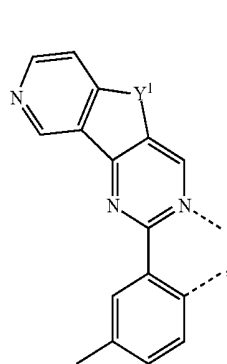


$Y_1 = O, L_{A281}$
 $Y_1 = S, L_{A282}$
 $Y_1 = NCH_3, L_{A283}$
 $Y_1 = C(CH_3)_2, L_{A284}$

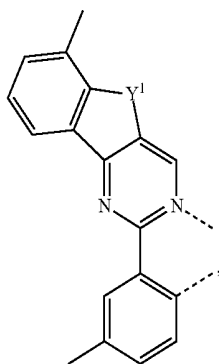


$Y_1 = O, L_{A285}$
 $Y_1 = S, L_{A286}$
 $Y_1 = NCH_3, L_{A287}$
 $Y_1 = C(CH_3)_2, L_{A288}$

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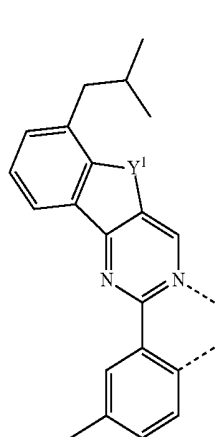


$Y_1 = O$, L_{A289}
 $Y_1 = S$, L_{A290}
 $Y_1 = NCH_3$, L_{A291}
 $Y_1 = C(CH_3)_2$, L_{A292}

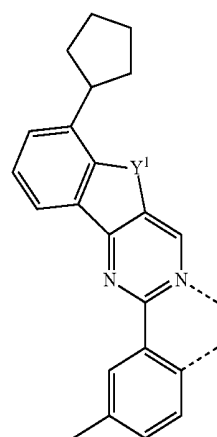


$Y_1 = O$, L_{A293}
 $Y_1 = S$, L_{A294}
 $Y_1 = NCH_3$, L_{A295}
 $Y_1 = C(CH_3)_2$, L_{A296}

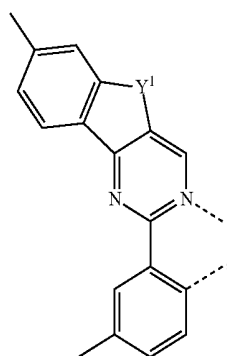
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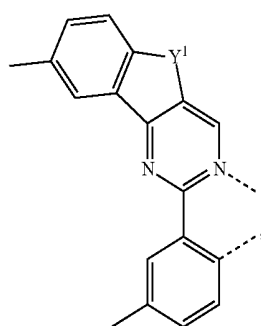
$Y_1 = O$, L_{A313}
 $Y_1 = S$, L_{A314}
 $Y_1 = NCH_3$, L_{A315}
 $Y_1 = C(CH_3)_2$, L_{A316}



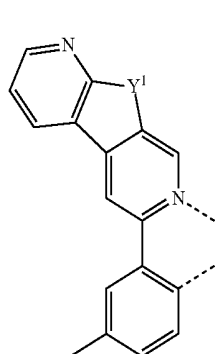
$Y_1 = O$, L_{A317}
 $Y_1 = S$, L_{A318}
 $Y_1 = NCH_3$, L_{A319}
 $Y_1 = C(CH_3)_2$, L_{A320}



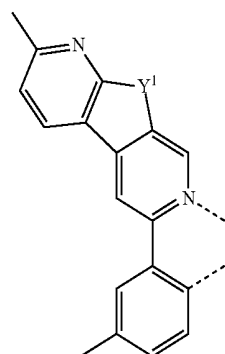
$Y_1 = O$, L_{A297}
 $Y_1 = S$, L_{A298}
 $Y_1 = NCH_3$, L_{A299}
 $Y_1 = C(CH_3)_2$, L_{A300}



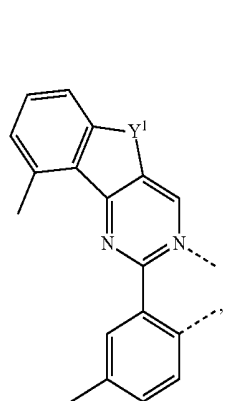
$Y_1 = O$, L_{A301}
 $Y_1 = S$, L_{A302}
 $Y_1 = NCH_3$, L_{A303}
 $Y_1 = C(CH_3)_2$, L_{A304}



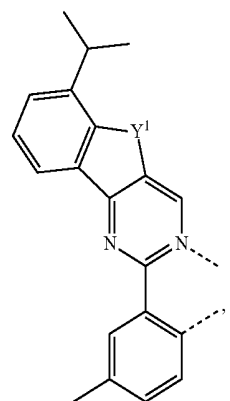
$Y_1 = O$, L_{A321}
 $Y_1 = S$, L_{A322}
 $Y_1 = NCH_3$, L_{A323}
 $Y_1 = C(CH_3)_2$, L_{A324}



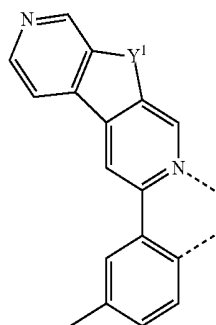
$Y_1 = O$, L_{A325}
 $Y_1 = S$, L_{A326}
 $Y_1 = NCH_3$, L_{A327}
 $Y_1 = C(CH_3)_2$, L_{A328}



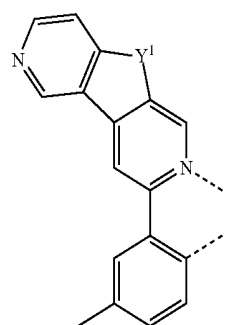
$Y_1 = O$, L_{A305}
 $Y_1 = S$, L_{A306}
 $Y_1 = NCH_3$, L_{A307}
 $Y_1 = C(CH_3)_2$, L_{A308}



$Y_1 = O$, L_{A309}
 $Y_1 = S$, L_{A310}
 $Y_1 = NCH_3$, L_{A311}
 $Y_1 = C(CH_3)_2$, L_{A312}

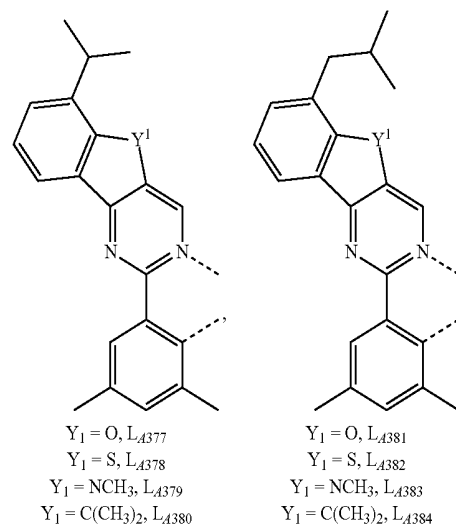
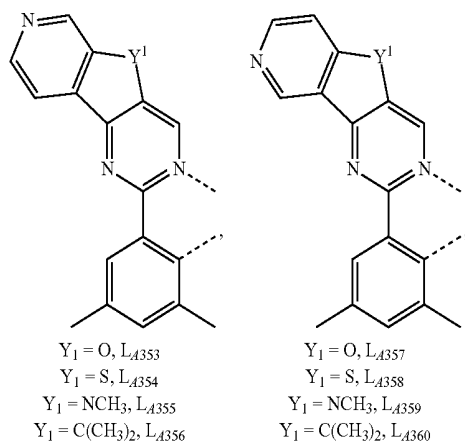
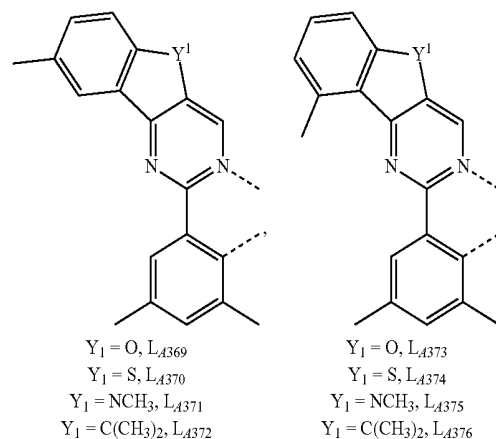
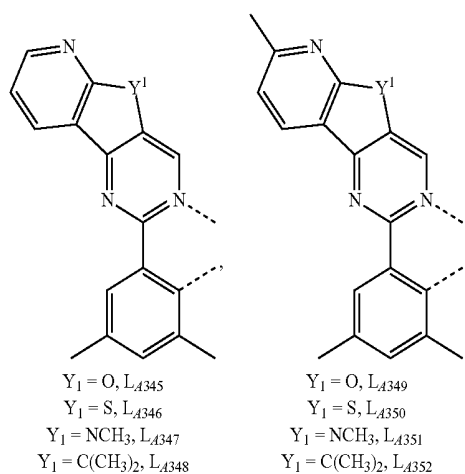
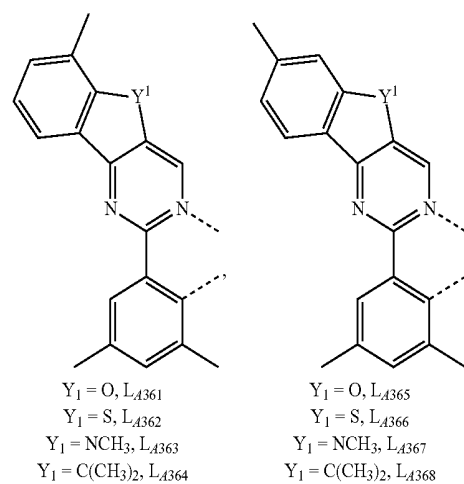


$Y_1 = O$, L_{A329}
 $Y_1 = S$, L_{A330}
 $Y_1 = NCH_3$, L_{A331}
 $Y_1 = C(CH_3)_2$, L_{A332}

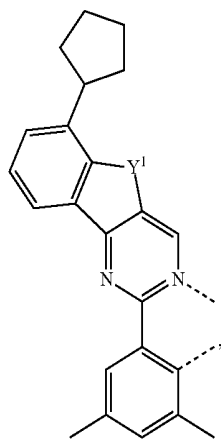


$Y_1 = O$, L_{A333}
 $Y_1 = S$, L_{A334}
 $Y_1 = NCH_3$, L_{A335}
 $Y_1 = C(CH_3)_2$, L_{A336}

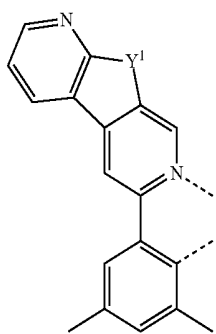
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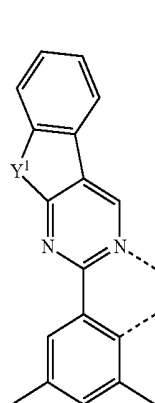


$Y_1 = O$, L_{A385}
 $Y_1 = S$, L_{A386}
 $Y_1 = NCH_3$, L_{A387}
 $Y_1 = C(CH_3)_2$, L_{A388}

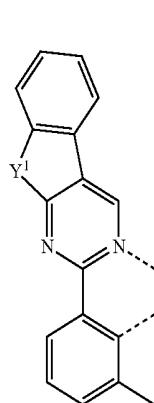


$Y_1 = O$, L_{A389}
 $Y_1 = S$, L_{A390}
 $Y_1 = NCH_3$, L_{A391}
 $Y_1 = C(CH_3)_2$, L_{A392}

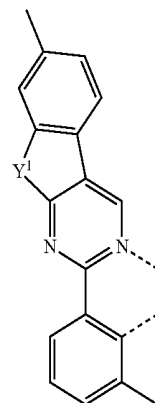
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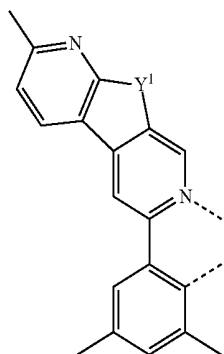
$Y_1 = O$, L_{A409}
 $Y_1 = S$, L_{A410}
 $Y_1 = NCH_3$, L_{A411}
 $Y_1 = C(CH_3)_2$, L_{A412}



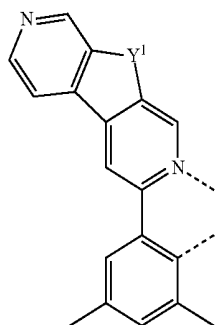
$Y_1 = O$, L_{A413}
 $Y_1 = S$, L_{A414}
 $Y_1 = NCH_3$, L_{A415}
 $Y_1 = C(CH_3)_2$, L_{A416}



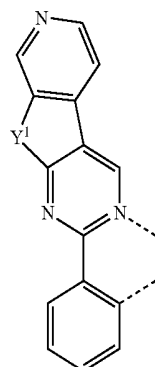
$Y_1 = O$, L_{A417}
 $Y_1 = S$, L_{A418}
 $Y_1 = NCH_3$, L_{A419}
 $Y_1 = C(CH_3)_2$, L_{A420}



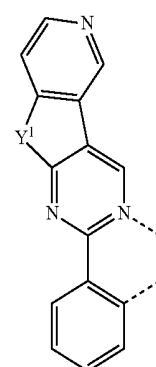
$Y_1 = O$, L_{A393}
 $Y_1 = S$, L_{A394}
 $Y_1 = NCH_3$, L_{A395}
 $Y_1 = C(CH_3)_2$, L_{A396}



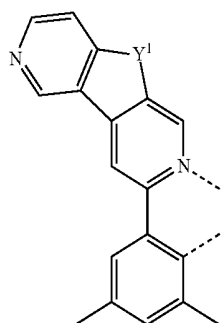
$Y_1 = O$, L_{A397}
 $Y_1 = S$, L_{A398}
 $Y_1 = NCH_3$, L_{A399}
 $Y_1 = C(CH_3)_2$, L_{A400}



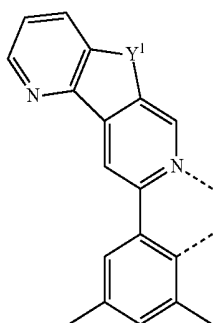
$Y_1 = O$, L_{A421}
 $Y_1 = S$, L_{A422}
 $Y_1 = NCH_3$, L_{A423}
 $Y_1 = C(CH_3)_2$, L_{A424}



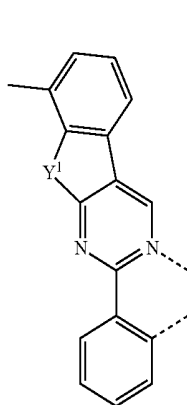
$Y_1 = O$, L_{A425}
 $Y_1 = S$, L_{A426}
 $Y_1 = NCH_3$, L_{A427}
 $Y_1 = C(CH_3)_2$, L_{A428}



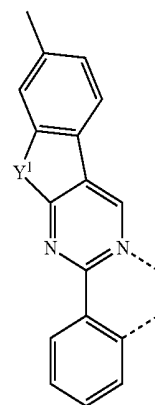
$Y_1 = O$, L_{A401}
 $Y_1 = S$, L_{A402}
 $Y_1 = NCH_3$, L_{A403}
 $Y_1 = C(CH_3)_2$, L_{A404}



$Y_1 = O$, L_{A405}
 $Y_1 = S$, L_{A406}
 $Y_1 = NCH_3$, L_{A407}
 $Y_1 = C(CH_3)_2$, L_{A408}

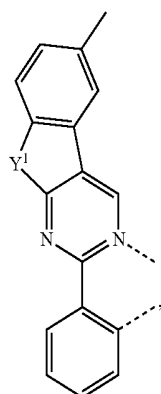


$Y_1 = O$, L_{A429}
 $Y_1 = S$, L_{A430}
 $Y_1 = NCH_3$, L_{A431}
 $Y_1 = C(CH_3)_2$, L_{A432}

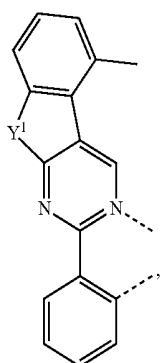


$Y_1 = O$, L_{A433}
 $Y_1 = S$, L_{A434}
 $Y_1 = NCH_3$, L_{A435}
 $Y_1 = C(CH_3)_2$, L_{A436}

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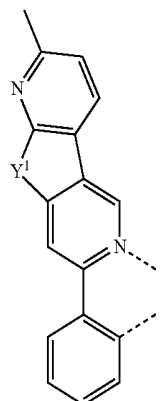


$Y_1 = O$, L_{A437}
 $Y_1 = S$, L_{A438}
 $Y_1 = NCH_3$, L_{A439}
 $Y_1 = C(CH_3)_2$, L_{A440}

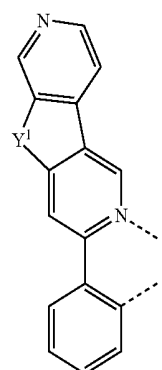


$Y_1 = O$, L_{A441}
 $Y_1 = S$, L_{A442}
 $Y_1 = NCH_3$, L_{A443}
 $Y_1 = C(CH_3)_2$, L_{A444}

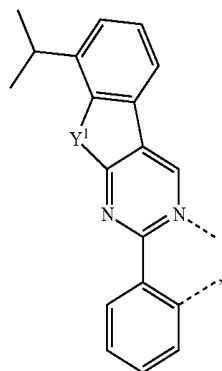
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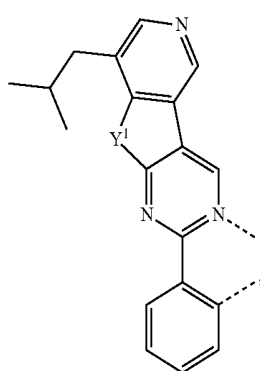
$Y_1 = O$, L_{A461}
 $Y_1 = S$, L_{A462}
 $Y_1 = NCH_3$, L_{A463}
 $Y_1 = C(CH_3)_2$, L_{A464}



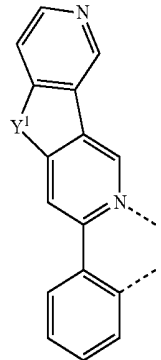
$Y_1 = O$, L_{A465}
 $Y_1 = S$, L_{A466}
 $Y_1 = NCH_3$, L_{A467}
 $Y_1 = C(CH_3)_2$, L_{A468}



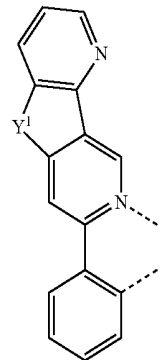
$Y_1 = O$, L_{A445}
 $Y_1 = S$, L_{A446}
 $Y_1 = NCH_3$, L_{A447}
 $Y_1 = C(CH_3)_2$, L_{A448}



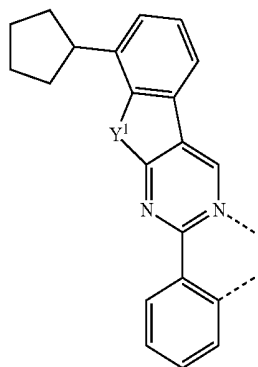
$Y_1 = O$, L_{A449}
 $Y_1 = S$, L_{A450}
 $Y_1 = NCH_3$, L_{A451}
 $Y_1 = C(CH_3)_2$, L_{A452}



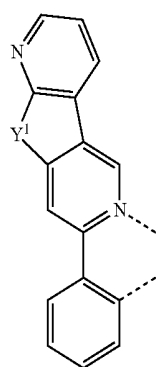
$Y_1 = O$, L_{A469}
 $Y_1 = S$, L_{A470}
 $Y_1 = NCH_3$, L_{A471}
 $Y_1 = C(CH_3)_2$, L_{A472}



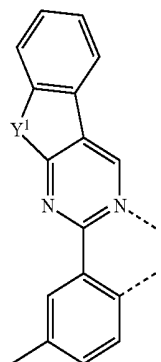
$Y_1 = O$, L_{A473}
 $Y_1 = S$, L_{A474}
 $Y_1 = NCH_3$, L_{A475}
 $Y_1 = C(CH_3)_2$, L_{A476}



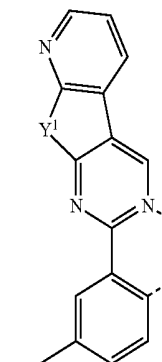
$Y_1 = O$, L_{A453}
 $Y_1 = S$, L_{A454}
 $Y_1 = NCH_3$, L_{A455}
 $Y_1 = C(CH_3)_2$, L_{A456}



$Y_1 = O$, L_{A457}
 $Y_1 = S$, L_{A458}
 $Y_1 = NCH_3$, L_{A459}
 $Y_1 = C(CH_3)_2$, L_{A460}

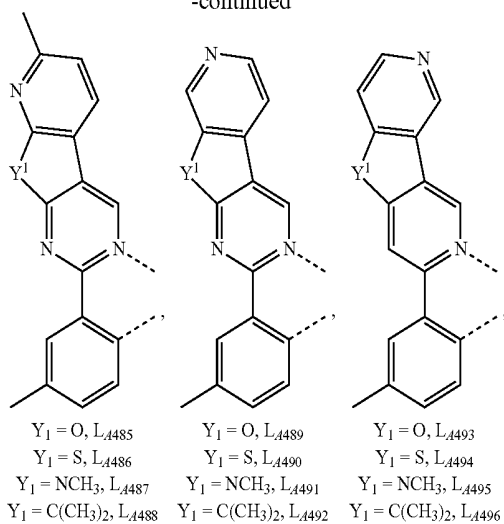


$Y_1 = O$, L_{A477}
 $Y_1 = S$, L_{A478}
 $Y_1 = NCH_3$, L_{A479}
 $Y_1 = C(CH_3)_2$, L_{A480}

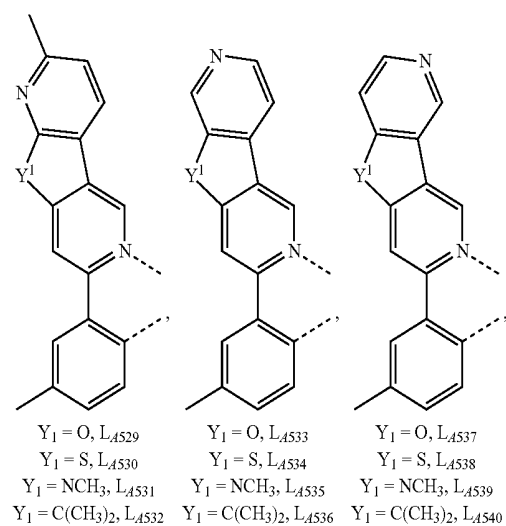
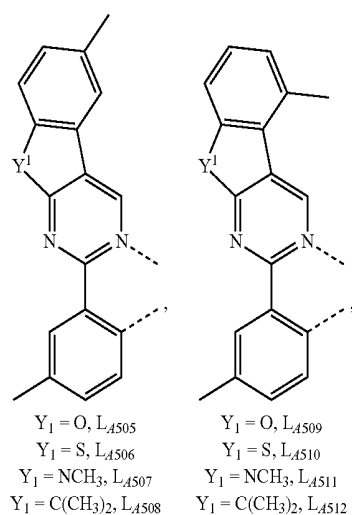
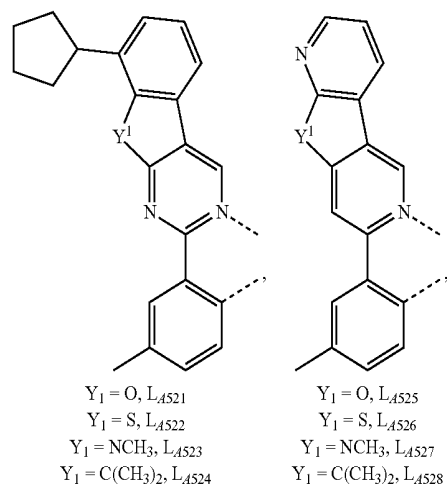
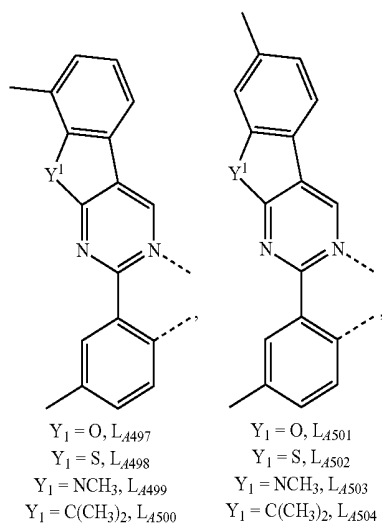
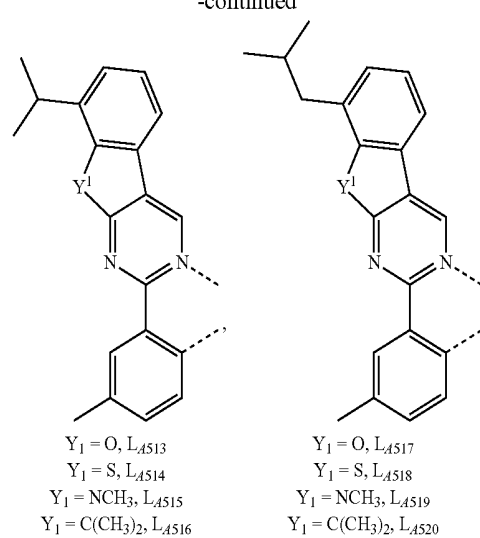


$Y_1 = O$, L_{A481}
 $Y_1 = S$, L_{A482}
 $Y_1 = NCH_3$, L_{A483}
 $Y_1 = C(CH_3)_2$, L_{A484}

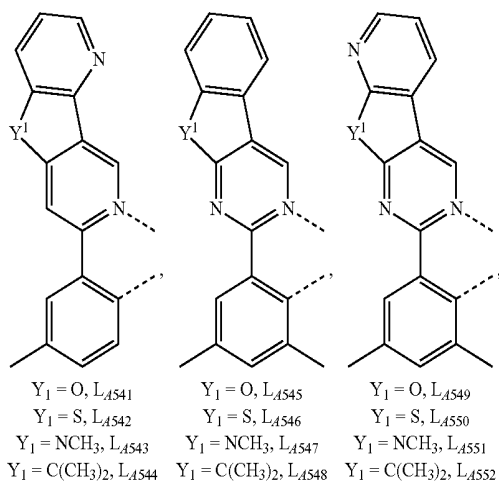
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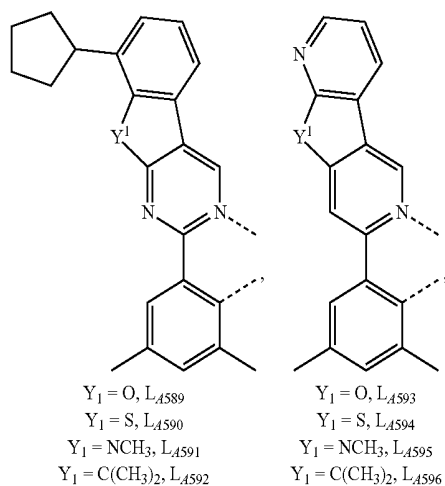
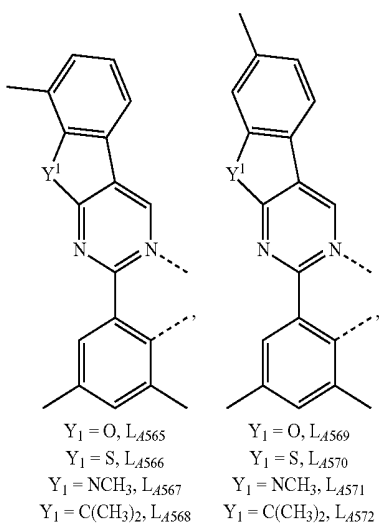
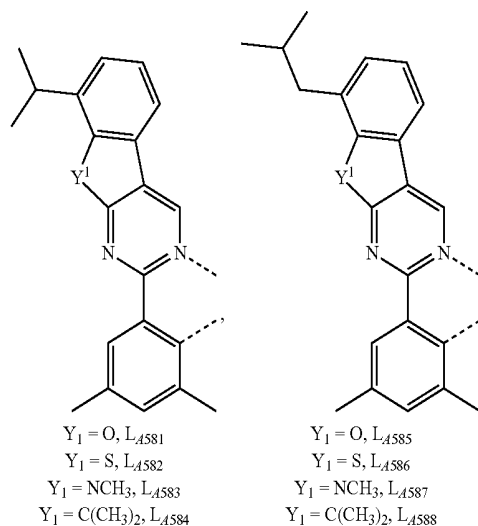
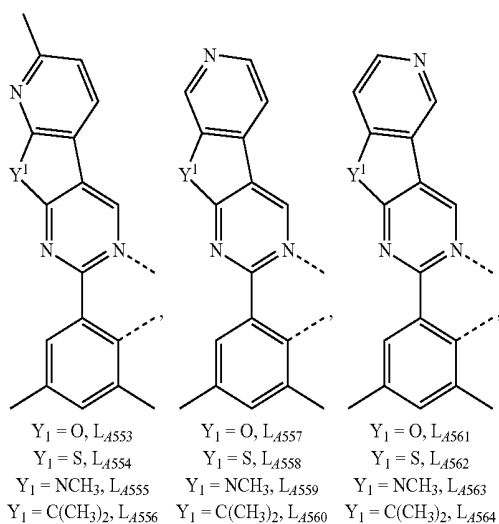
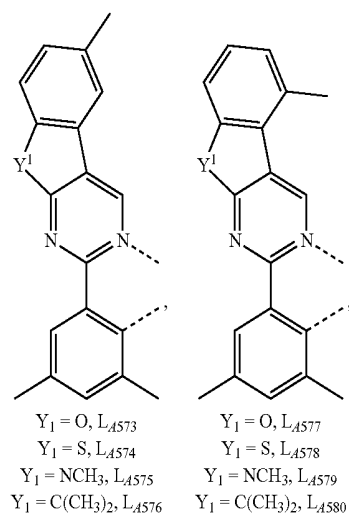
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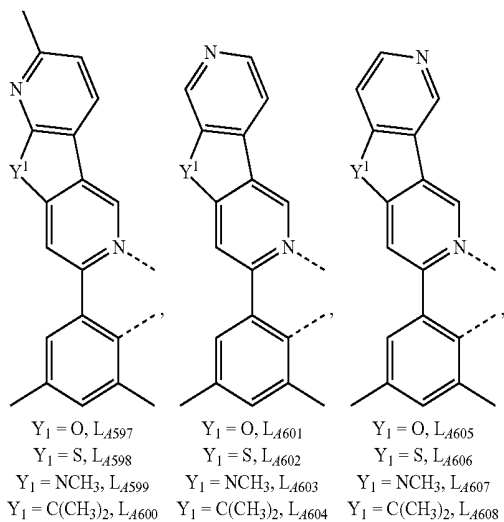
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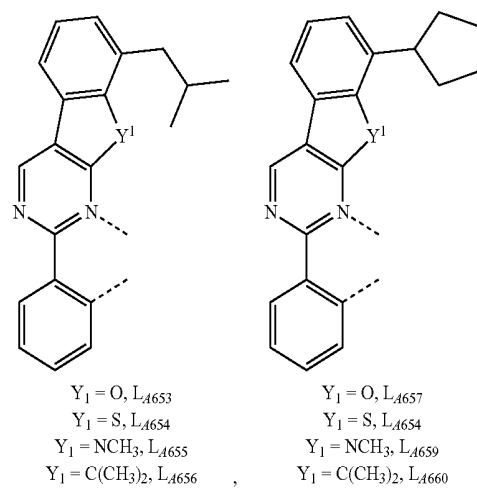
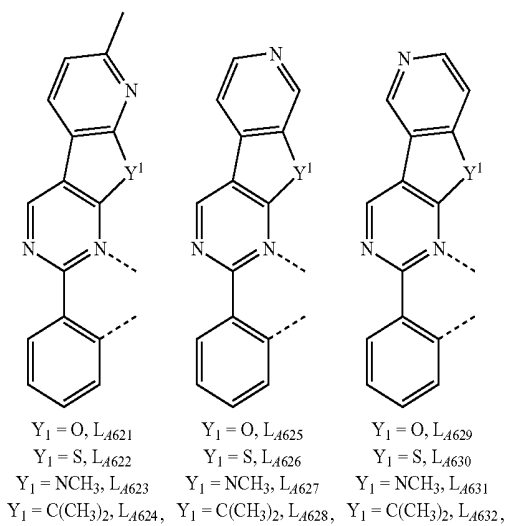
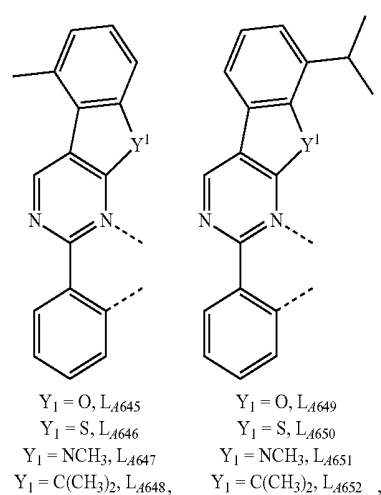
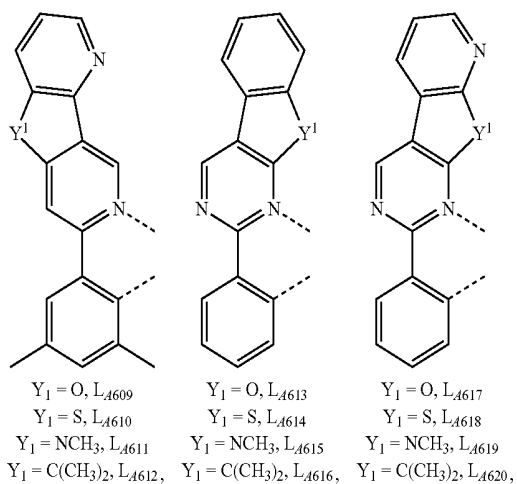
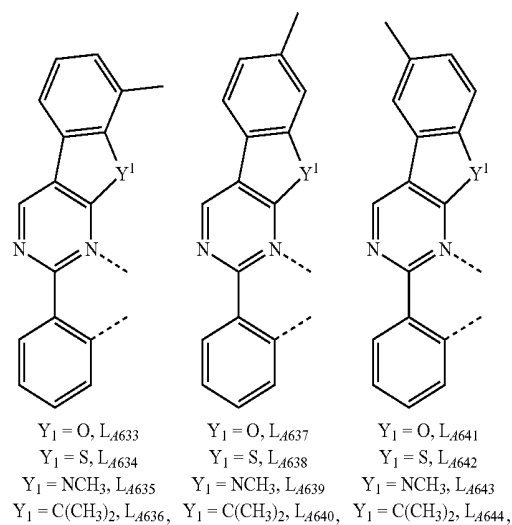
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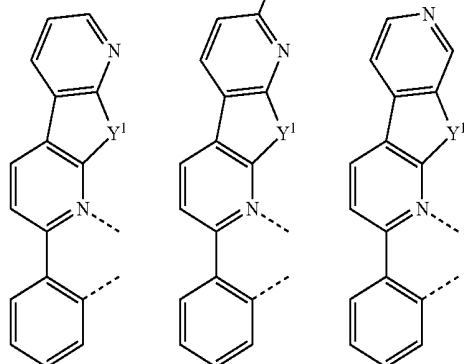
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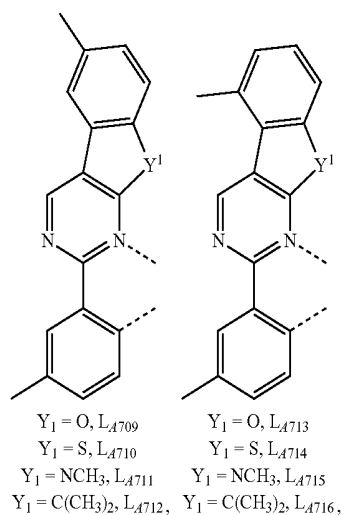
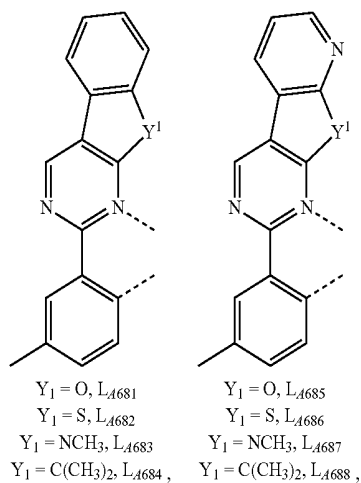
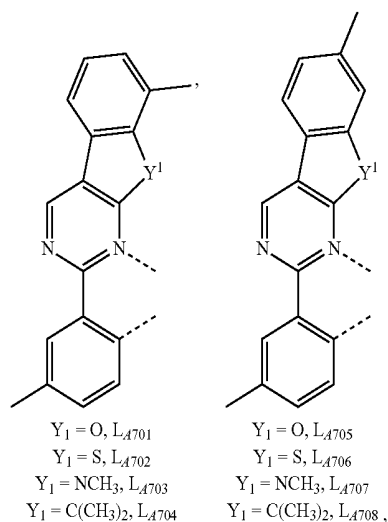
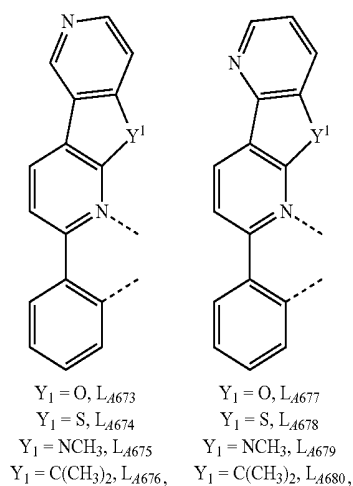
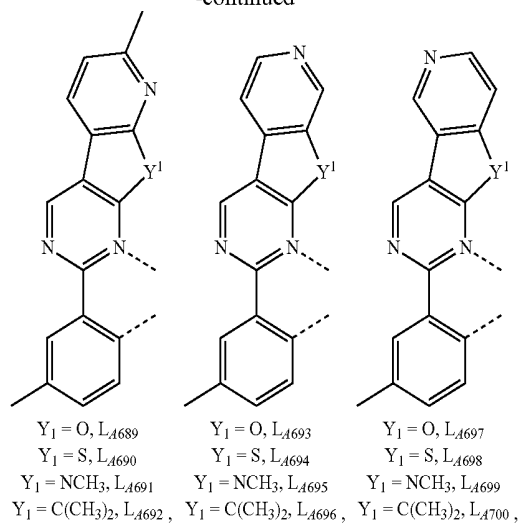
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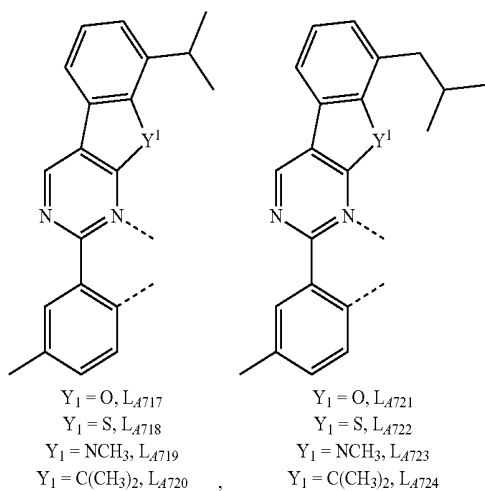
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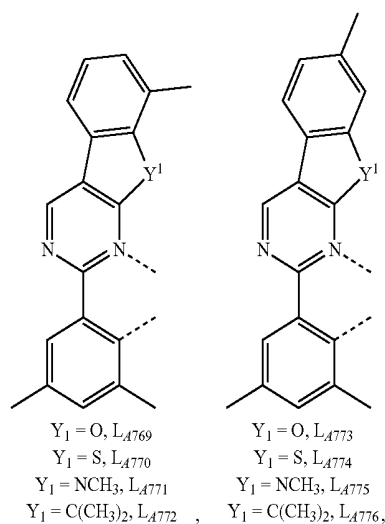
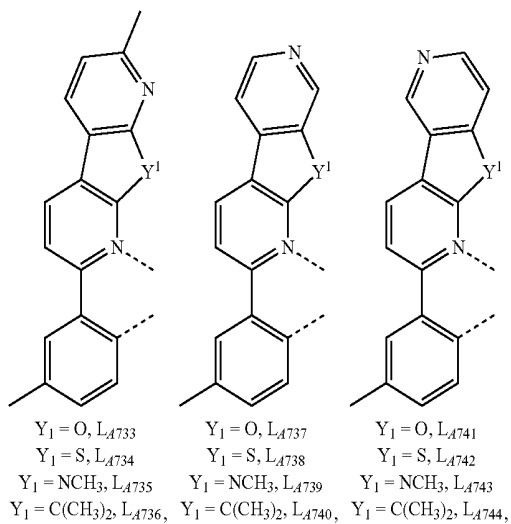
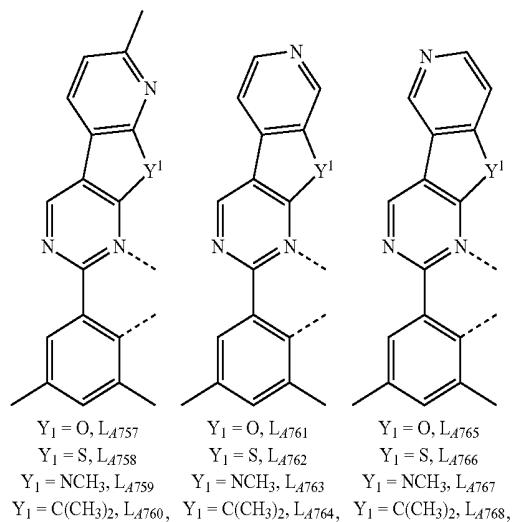
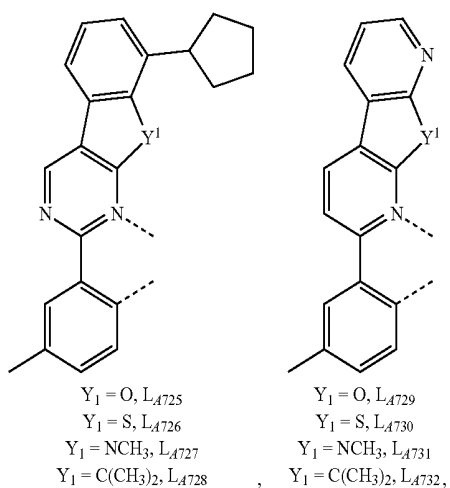
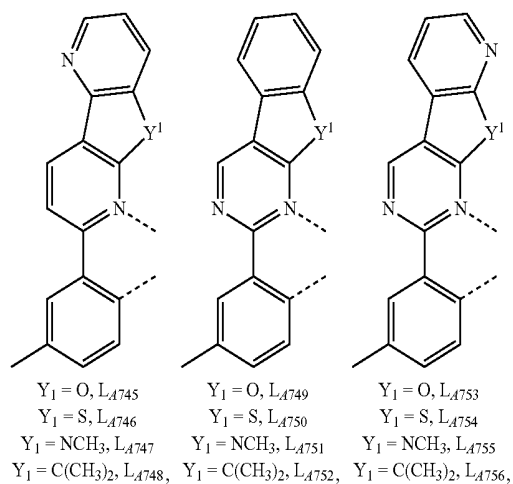
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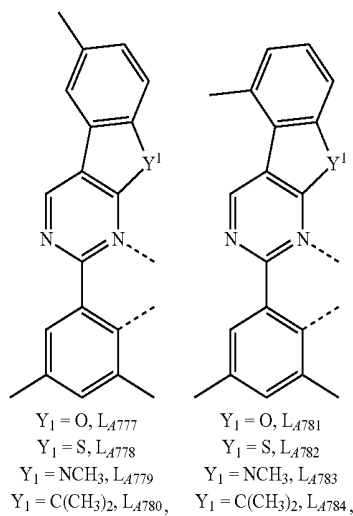
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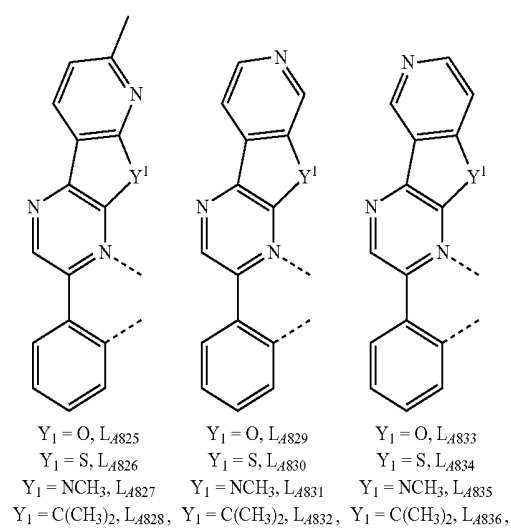
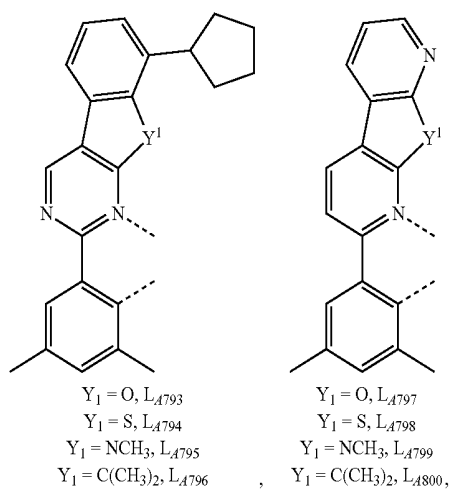
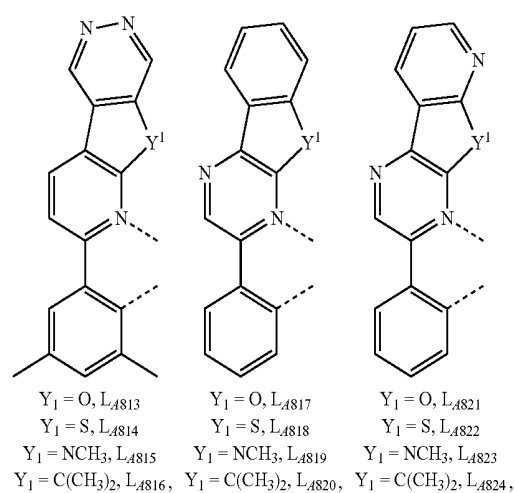
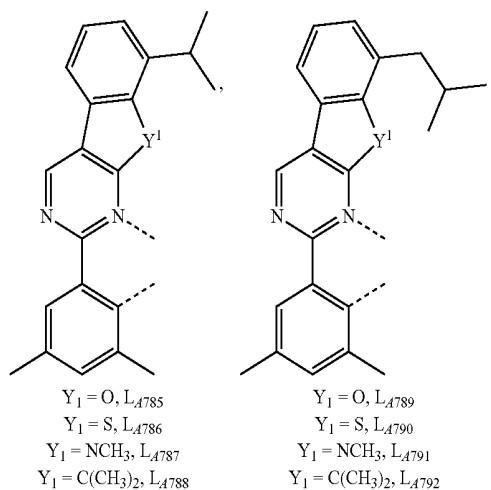
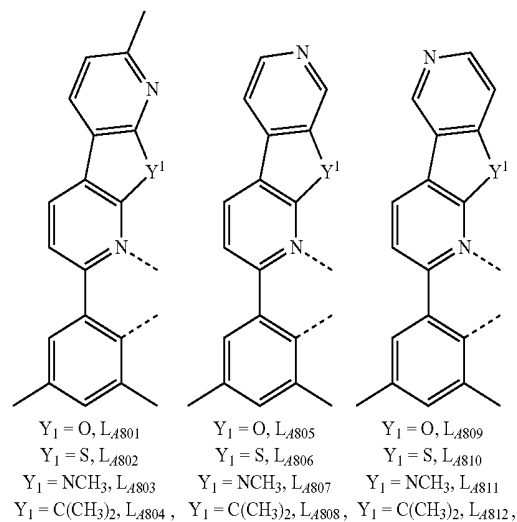
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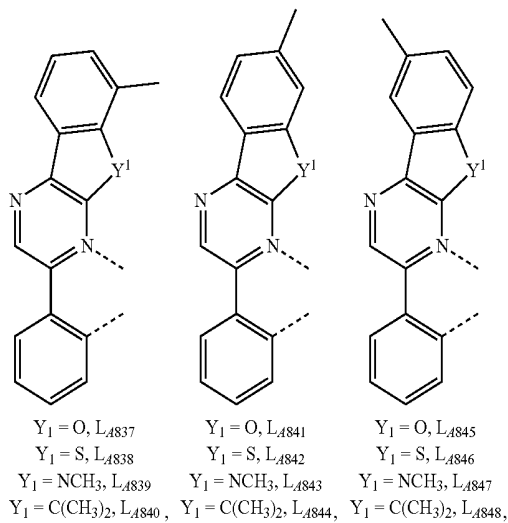
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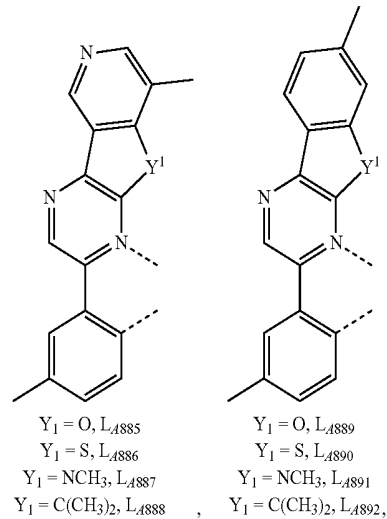
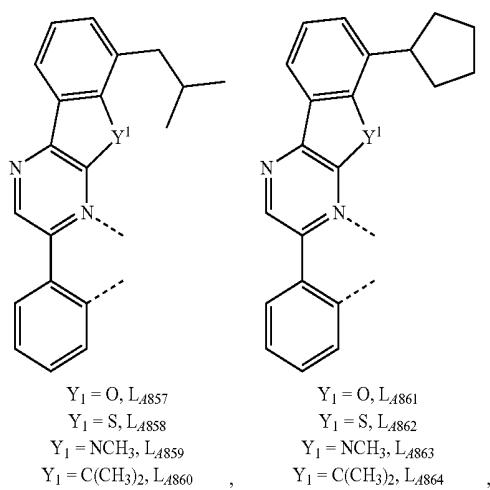
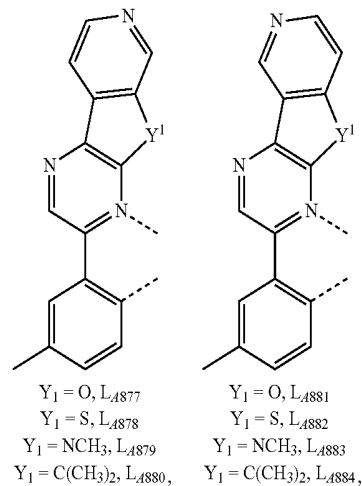
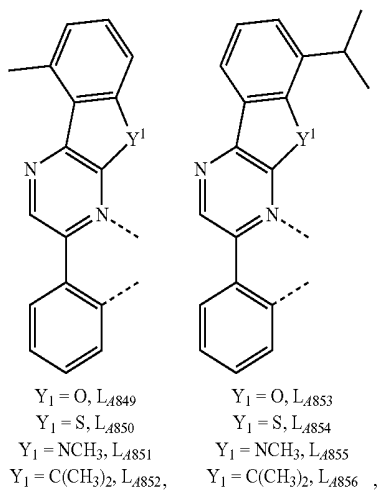
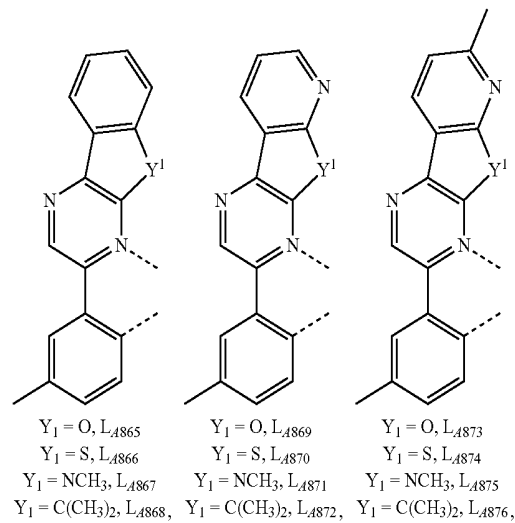
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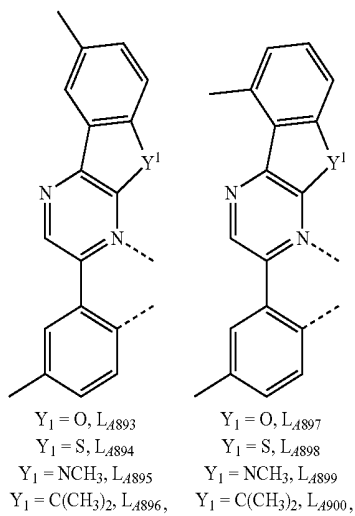
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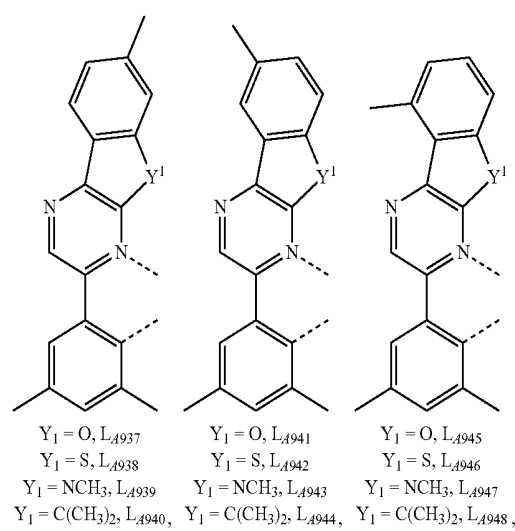
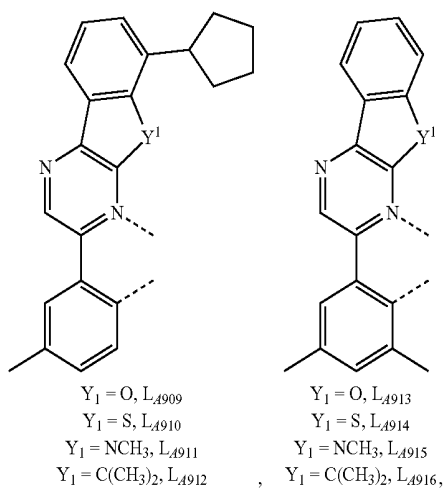
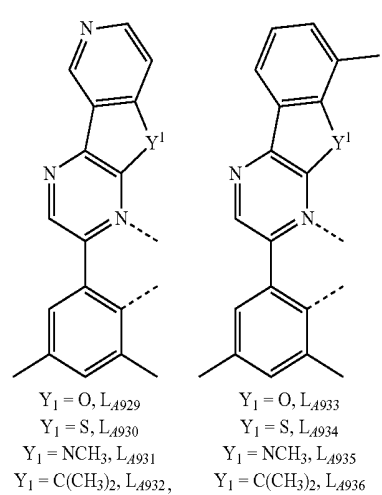
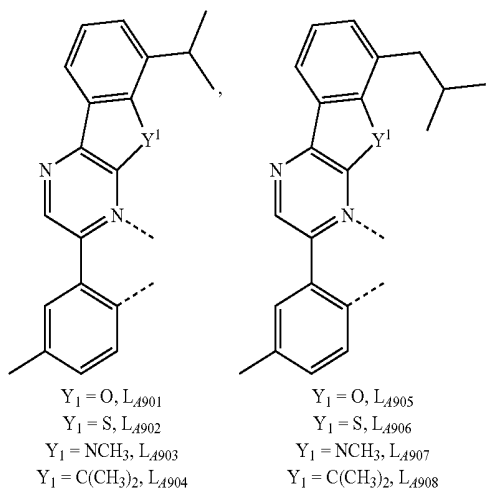
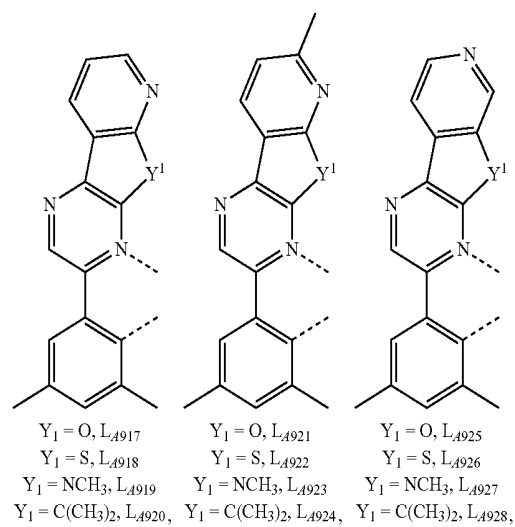
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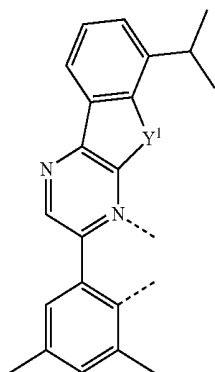
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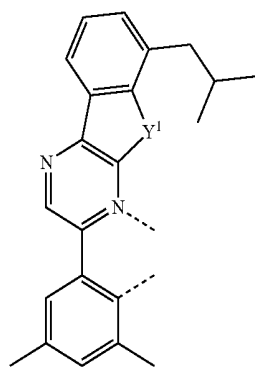
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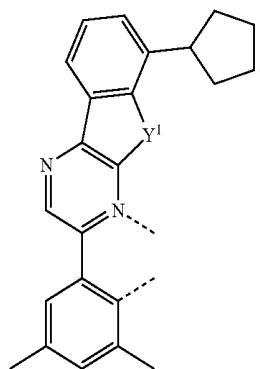
-continued



$Y_1 = O$, L_{A949}
 $Y_1 = S$, L_{A950}
 $Y_1 = NCH_3$, L_{A951}
 $Y_1 = C(CH_3)_2$, L_{A952} ,

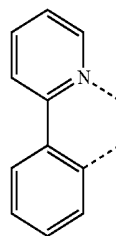
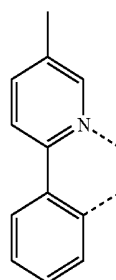
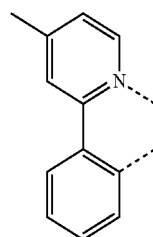
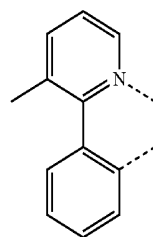
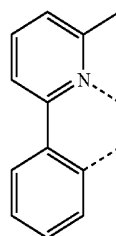
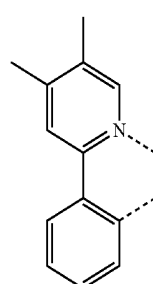


$Y_1 = O$, L_{A953}
 $Y_1 = S$, L_{A954}
 $Y_1 = NCH_3$, L_{A955}
 $Y_1 = C(CH_3)_2$, L_{A956} , and

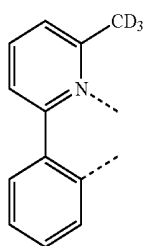
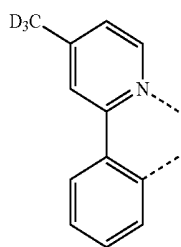
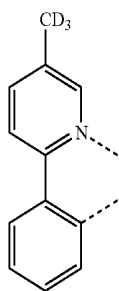
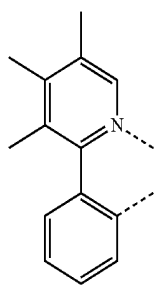
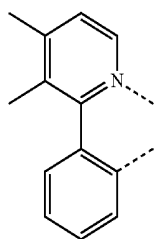
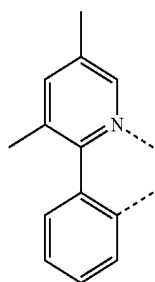


$Y_1 = O$, L_{A957}
 $Y_1 = S$, L_{A958}
 $Y_1 = NCH_3$, L_{A959}
 $Y_1 = C(CH_3)_2$, L_{A960}

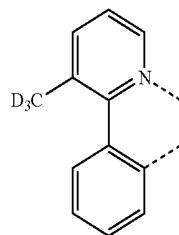
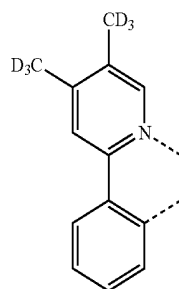
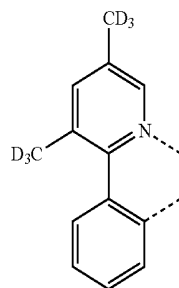
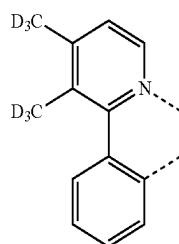
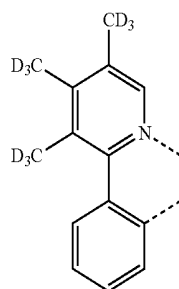
15. The compound of claim 14, wherein L_B is selected from the group consisting of:

L_{B1}L_{B2}L_{B3}L_{B4}L_{B5}L_{B6}

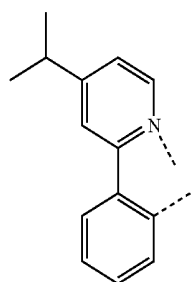
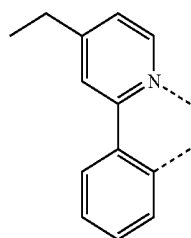
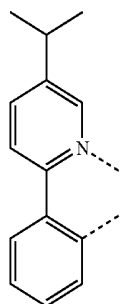
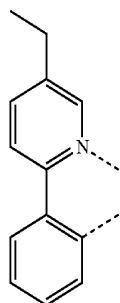
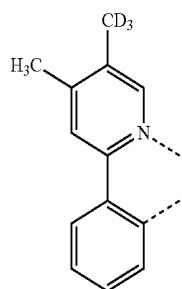
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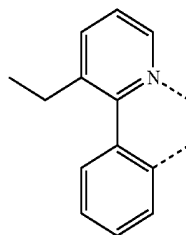
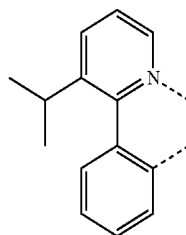
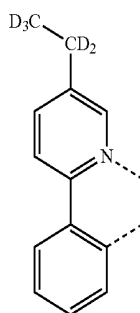
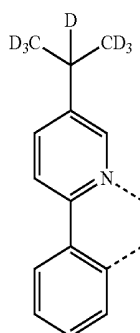
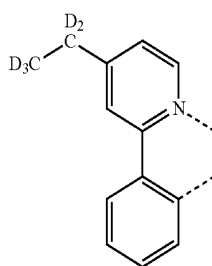
-continued

 L_{B7}  L_{B13} L_{B8}  L_{B14} L_{B9}  L_{B15} L_{B10}  L_{B16} L_{B11}  L_{B17} L_{B12}

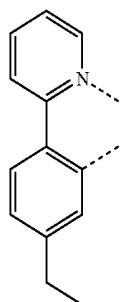
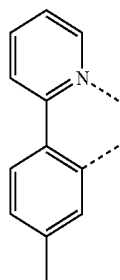
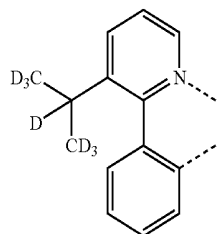
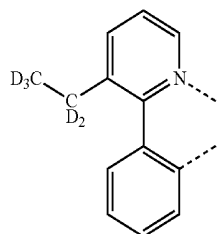
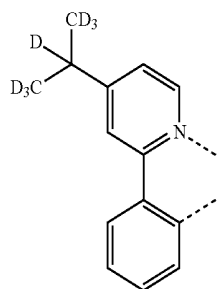
-continued

 L_{B18}

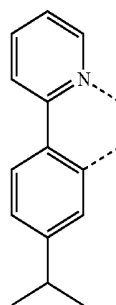
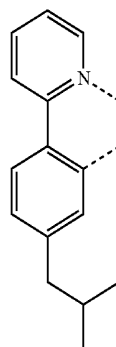
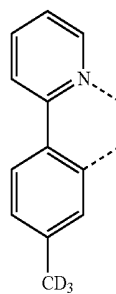
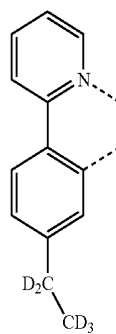
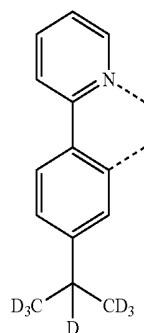
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 L_{B23} L_{B19}  L_{B24} L_{B20}  L_{B25} L_{B21}  L_{B26} L_{B22}  L_{B27}

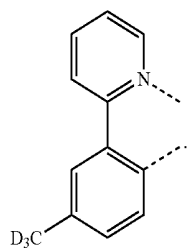
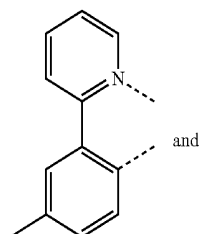
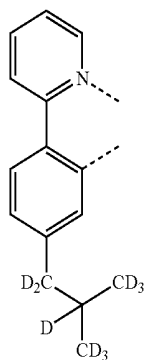
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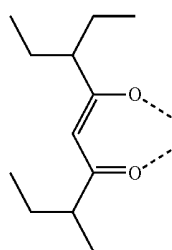
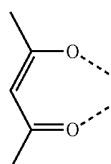
-continued

 L_{B28}  L_{B34} L_{B30}  L_{B35} L_{B31}  L_{B36} L_{B32}  L_{B37} L_{B33}  L_{B38}

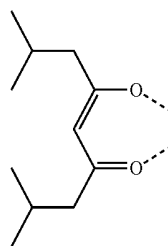
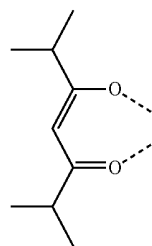
-continued



16. The compound of claim **14**, wherein L_B is selected from the group consisting of:



-continued

 L_{B39}  L_{B44} L_{B40}  L_{B45}

17. The compound of claim **14**, wherein the compound has formula IV:



and is selected from the group consisting of compound 1 to compound 960 listed in the table below:

 L_{B41}

Compound Number	L_A
1	L_{A1}
2	L_{A2}
3	L_{A3}
4	L_{A4}
5	L_{A5}
6	L_{A6}
7	L_{A7}
8	L_{A8}
9	L_{A9}
10	L_{A10}
11	L_{A11}
12	L_{A12}
13	L_{A13}
14	L_{A14}
15	L_{A15}
16	L_{A16}
17	L_{A17}
18	L_{A18}
19	L_{A19}
20	L_{A20}
21	L_{A21}
22	L_{A22}
23	L_{A23}
24	L_{A24}
25	L_{A25}
26	L_{A26}
27	L_{A27}
28	L_{A28}
29	L_{A29}
30	L_{A30}
31	L_{A31}
32	L_{A32}
33	L_{A33}
34	L_{A34}
35	L_{A35}
36	L_{A36}
37	L_{A37}
38	L_{A38}
39	L_{A39}

 L_{B42} L_{B43}

-continued

Compound Number	L_A
40	L_{A40}
41	L_{A41}
42	L_{A42}
43	L_{A43}
44	L_{A44}
45	L_{A45}
46	L_{A46}
47	L_{A47}
48	L_{A48}
49	L_{A49}
50	L_{A50}
51	L_{A51}
52	L_{A52}
53	L_{A53}
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66	L_{A66}
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103	L_{A103}
104	L_{A104}
105	L_{A105}
106	L_{A106}
107	L_{A107}
108	L_{A108}
109	L_{A109}
110	L_{A110}
111	L_{A111}
112	L_{A112}

-continued

Compound Number	L_A
113	L_{A113}
114	L_{A114}
115	L_{A115}
116	L_{A116}
117	L_{A117}
118	L_{A118}
119	L_{A119}
120	L_{A120}
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179	L_{A179}
180	L_{A180}
181	L_{A181}
182	L_{A182}
183	L_{A183}
184	L_{A184}
185	L_{A185}

-continued

Compound Number	L _A
186	L _{A186}
187	L _{A187}
188	L _{A188}
189	L _{A189}
190	L _{A190}
191	L _{A191}
192	L _{A192}
193	L _{A193}
194	L _{A194}
195	L _{A195}
196	L _{A196}
197	L _{A197}
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253	L _{A253}
254	L _{A254}
255	L _{A255}
256	L _{A256}
257	L _{A257}
258	L _{A258}

-continued

Compound Number	L _A
259	L _{A259}
260	L _{A260}
261	L _{A261}
262	L _{A262}
263	L _{A263}
264	L _{A264}
265	L _{A265}
266	L _{A266}
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303	L _{A303}
304	L _{A304}
305	L _{A305}
306	L _{A306}
307	L _{A307}
308	L _{A308}
309	L _{A309}
310	L _{A310}
311	L _{A311}
312	L _{A312}
313	L _{A313}
314	L _{A314}
315	L _{A315}
316	L _{A316}
317	L _{A317}
318	L _{A318}
319	L _{A319}
320	L _{A320}
321	L _{A321}
322	L _{A322}
323	L _{A323}
324	L _{A324}
325	L _{A325}
326	L _{A326}
327	L _{A327}
328	L _{A328}
329	L _{A329}
330	L _{A330}
331	L _{A331}

-continued

Compound Number	L _A
332	L _{A332}
333	L _{A333}
334	L _{A334}
335	L _{A335}
336	L _{A336}
337	L _{A337}
338	L _{A338}
339	L _{A339}
340	L _{A340}
341	L _{A341}
342	L _{A342}
343	L _{A343}
344	L _{A344}
345	L _{A345}
346	L _{A346}
347	L _{A347}
348	L _{A348}
349	L _{A349}
350	L _{A350}
351	L _{A351}
352	L _{A352}
353	L _{A353}
354	L _{A354}
355	L _{A355}
356	L _{A356}
357	L _{A357}
358	L _{A358}
359	L _{A359}
360	L _{A360}
361	L _{A361}
362	L _{A362}
363	L _{A363}
364	L _{A364}
365	L _{A365}
366	L _{A366}
367	L _{A367}
368	L _{A368}
369	L _{A369}
370	L _{A370}
371	L _{A371}
372	L _{A372}
373	L _{A373}
374	L _{A374}
375	L _{A375}
376	L _{A376}
377	L _{A377}
378	L _{A378}
379	L _{A379}
380	L _{A380}
381	L _{A381}
382	L _{A382}
383	L _{A383}
384	L _{A384}
385	L _{A385}
386	L _{A386}
387	L _{A387}
388	L _{A388}
389	L _{A389}
390	L _{A390}
391	L _{A391}
392	L _{A392}
393	L _{A393}
394	L _{A394}
395	L _{A395}
396	L _{A396}
397	L _{A397}
398	L _{A398}
399	L _{A399}
400	L _{A400}
401	L _{A401}
402	L _{A402}
403	L _{A403}
404	L _{A404}

-continued

Compound Number	L _A
405	L _{A405}
406	L _{A406}
407	L _{A407}
408	L _{A408}
409	L _{A409}
410	L _{A410}
411	L _{A411}
412	L _{A412}
413	L _{A413}
414	L _{A414}
415	L _{A415}
416	L _{A416}
417	L _{A417}
418	L _{A418}
419	L _{A419}
420	L _{A420}
421	L _{A421}
422	L _{A422}
423	L _{A423}
424	L _{A424}
425	L _{A425}
426	L _{A426}
427	L _{A427}
428	L _{A428}
429	L _{A429}
430	L _{A430}
431	L _{A431}
432	L _{A432}
433	L _{A433}
434	L _{A434}
435	L _{A435}
436	L _{A436}
437	L _{A437}
438	L _{A438}
439	L _{A439}
440	L _{A440}
441	L _{A441}
442	L _{A442}
443	L _{A443}
444	L _{A444}
445	L _{A445}
446	L _{A446}
447	L _{A447}
448	L _{A448}
449	L _{A449}
450	L _{A450}
451	L _{A451}
452	L _{A452}
453	L _{A453}
454	L _{A454}
455	L _{A455}
456	L _{A456}
457	L _{A457}
458	L _{A458}
459	L _{A459}
460	L _{A460}
461	L _{A461}
462	L _{A462}
463	L _{A463}
464	L _{A464}
465	L _{A465}
466	L _{A466}
467	L _{A467}
468	L _{A468}
469	L _{A469}
470	L _{A470}
471	L _{A471}
472	L _{A472}
473	L _{A473}
474	L _{A474}
475	L _{A475}
476	L _{A476}
477	L _{A477}

-continued

Compound Number	L _A
478	L _{A478}
479	L _{A479}
480	L _{A480}
481	L _{A481}
482	L _{A482}
483	L _{A483}
484	L _{A484}
485	L _{A485}
486	L _{A486}
487	L _{A487}
488	L _{A488}
489	L _{A489}
490	L _{A490}
491	L _{A491}
492	L _{A492}
493	L _{A493}
494	L _{A494}
495	L _{A495}
496	L _{A496}
497	L _{A497}
498	L _{A498}
499	L _{A499}
500	L _{A500}
501	L _{A501}
502	L _{A502}
503	L _{A503}
504	L _{A504}
505	L _{A505}
506	L _{A506}
507	L _{A507}
508	L _{A508}
509	L _{A509}
510	L _{A510}
511	L _{A511}
512	L _{A512}
513	L _{A513}
514	L _{A514}
515	L _{A515}
516	L _{A516}
517	L _{A517}
518	L _{A518}
519	L _{A519}
520	L _{A520}
521	L _{A521}
522	L _{A522}
523	L _{A523}
524	L _{A524}
525	L _{A525}
526	L _{A526}
527	L _{A527}
528	L _{A528}
529	L _{A529}
530	L _{A530}
531	L _{A531}
532	L _{A532}
533	L _{A533}
534	L _{A534}
535	L _{A535}
536	L _{A536}
537	L _{A537}
538	L _{A538}
539	L _{A539}
540	L _{A540}
541	L _{A541}
542	L _{A542}
543	L _{A543}
544	L _{A544}
545	L _{A545}
546	L _{A546}
547	L _{A547}
548	L _{A548}
549	L _{A549}
550	L _{A550}

-continued

Compound Number	L _A
551	L _{A551}
552	L _{A552}
553	L _{A553}
554	L _{A554}
555	L _{A555}
556	L _{A556}
557	L _{A557}
558	L _{A558}
559	L _{A559}
560	L _{A560}
561	L _{A561}
562	L _{A562}
563	L _{A563}
564	L _{A564}
565	L _{A565}
566	L _{A566}
567	L _{A567}
568	L _{A568}
569	L _{A569}
570	L _{A570}
571	L _{A571}
572	L _{A572}
573	L _{A573}
574	L _{A574}
575	L _{A575}
576	L _{A576}
577	L _{A577}
578	L _{A578}
579	L _{A579}
580	L _{A580}
581	L _{A581}
582	L _{A582}
583	L _{A583}
584	L _{A584}
585	L _{A585}
586	L _{A586}
587	L _{A587}
588	L _{A588}
589	L _{A589}
590	L _{A590}
591	L _{A591}
592	L _{A592}
593	L _{A593}
594	L _{A594}
595	L _{A595}
596	L _{A596}
597	L _{A597}
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599	L _{A599}
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601	L _{A601}
602	L _{A602}
603	L _{A603}
604	L _{A604}
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606	L _{A606}
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608	L _{A608}
609	L _{A609}
610	L _{A610}
611	L _{A611}
612	L _{A612}
613	L _{A613}
614	L _{A614}
615	L _{A615}
616	L _{A616}
617	L _{A617}
618	L _{A618}
619	L _{A619}
620	L _{A620}
621	L _{A621}
622	L _{A622}
623	L _{A623}

-continued

Compound Number	L _A
624	L _{A624}
625	L _{A625}
626	L _{A626}
627	L _{A627}
628	L _{A628}
629	L _{A629}
630	L _{A630}
631	L _{A631}
632	L _{A632}
633	L _{A633}
634	L _{A634}
635	L _{A635}
636	L _{A636}
637	L _{A637}
638	L _{A638}
639	L _{A639}
640	L _{A640}
641	L _{A641}
642	L _{A642}
643	L _{A643}
644	L _{A644}
645	L _{A645}
646	L _{A646}
647	L _{A647}
648	L _{A648}
649	L _{A649}
650	L _{A650}
651	L _{A651}
652	L _{A652}
653	L _{A653}
654	L _{A654}
655	L _{A655}
656	L _{A656}
657	L _{A657}
658	L _{A658}
659	L _{A659}
660	L _{A660}
661	L _{A661}
662	L _{A662}
663	L _{A663}
664	L _{A664}
665	L _{A665}
666	L _{A666}
667	L _{A667}
668	L _{A668}
669	L _{A669}
670	L _{A670}
671	L _{A671}
672	L _{A672}
673	L _{A673}
674	L _{A674}
675	L _{A675}
676	L _{A676}
677	L _{A677}
678	L _{A678}
679	L _{A679}
680	L _{A680}
681	L _{A681}
682	L _{A682}
683	L _{A683}
684	L _{A684}
685	L _{A685}
686	L _{A686}
687	L _{A687}
688	L _{A688}
689	L _{A689}
690	L _{A690}
691	L _{A691}
692	L _{A692}
693	L _{A693}
694	L _{A694}
695	L _{A695}
696	L _{A696}

-continued

Compound Number	L _A
697	L _{A697}
698	L _{A698}
699	L _{A699}
700	L _{A700}
701	L _{A701}
702	L _{A702}
703	L _{A703}
704	L _{A704}
705	L _{A705}
706	L _{A706}
707	L _{A707}
708	L _{A708}
709	L _{A709}
710	L _{A710}
711	L _{A711}
712	L _{A712}
713	L _{A713}
714	L _{A714}
715	L _{A715}
716	L _{A716}
717	L _{A717}
718	L _{A718}
719	L _{A719}
720	L _{A720}
721	L _{A721}
722	L _{A722}
723	L _{A723}
724	L _{A724}
725	L _{A725}
726	L _{A726}
727	L _{A727}
728	L _{A728}
729	L _{A729}
730	L _{A730}
731	L _{A731}
732	L _{A732}
733	L _{A733}
734	L _{A734}
735	L _{A735}
736	L _{A736}
737	L _{A737}
738	L _{A738}
739	L _{A739}
740	L _{A740}
741	L _{A741}
742	L _{A742}
743	L _{A743}
744	L _{A744}
745	L _{A745}
746	L _{A746}
747	L _{A747}
748	L _{A748}
749	L _{A749}
750	L _{A750}
751	L _{A751}
752	L _{A752}
753	L _{A753}
754	L _{A754}
755	L _{A755}
756	L _{A756}
757	L _{A757}
758	L _{A758}
759	L _{A759}
760	L _{A760}
761	L _{A761}
762	L _{A762}
763	L _{A763}
764	L _{A764}
765	L _{A765}
766	L _{A766}
767	L _{A767}
768	L _{A768}
769	L _{A769}

-continued

Compound Number	L _A
770	L _{A770}
771	L _{A771}
772	L _{A772}
773	L _{A773}
774	L _{A774}
775	L _{A775}
776	L _{A776}
777	L _{A777}
778	L _{A778}
779	L _{A779}
780	L _{A780}
781	L _{A781}
782	L _{A782}
783	L _{A783}
784	L _{A784}
785	L _{A785}
786	L _{A786}
787	L _{A787}
788	L _{A788}
789	L _{A789}
790	L _{A790}
791	L _{A791}
792	L _{A792}
793	L _{A793}
794	L _{A794}
795	L _{A795}
796	L _{A796}
797	L _{A797}
798	L _{A798}
799	L _{A799}
800	L _{A800}
801	L _{A801}
802	L _{A802}
803	L _{A803}
804	L _{A804}
805	L _{A805}
806	L _{A806}
807	L _{A807}
808	L _{A808}
809	L _{A809}
810	L _{A810}
811	L _{A811}
812	L _{A812}
813	L _{A813}
814	L _{A814}
815	L _{A815}
816	L _{A816}
817	L _{A817}
818	L _{A818}
819	L _{A819}
820	L _{A820}
821	L _{A821}
822	L _{A822}
823	L _{A823}
824	L _{A824}
825	L _{A825}
826	L _{A826}
827	L _{A827}
828	L _{A828}
829	L _{A829}
830	L _{A830}
831	L _{A831}
832	L _{A832}
833	L _{A833}
834	L _{A834}
835	L _{A835}
836	L _{A836}
837	L _{A837}
838	L _{A838}
839	L _{A839}
840	L _{A840}
841	L _{A841}
842	L _{A842}

-continued

Compound Number	L _A
843	L _{A843}
844	L _{A844}
845	L _{A845}
846	L _{A846}
847	L _{A847}
848	L _{A848}
849	L _{A849}
850	L _{A850}
851	L _{A851}
852	L _{A852}
853	L _{A853}
854	L _{A854}
855	L _{A855}
856	L _{A856}
857	L _{A857}
858	L _{A858}
859	L _{A859}
860	L _{A860}
861	L _{A861}
862	L _{A862}
863	L _{A863}
864	L _{A864}
865	L _{A865}
866	L _{A866}
867	L _{A867}
868	L _{A868}
869	L _{A869}
870	L _{A870}
871	L _{A871}
872	L _{A872}
873	L _{A873}
874	L _{A874}
875	L _{A875}
876	L _{A876}
877	L _{A877}
878	L _{A878}
879	L _{A879}
880	L _{A880}
881	L _{A881}
882	L _{A882}
883	L _{A883}
884	L _{A884}
885	L _{A885}
886	L _{A886}
887	L _{A887}
888	L _{A888}
889	L _{A889}
890	L _{A890}
891	L _{A891}
892	L _{A892}
893	L _{A893}
894	L _{A894}
895	L _{A895}
896	L _{A896}
897	L _{A897}
898	L _{A898}
899	L _{A899}
900	L _{A900}
901	L _{A901}
902	L _{A902}
903	L _{A903}
904	L _{A904}
905	L _{A905}
906	L _{A906}
907	L _{A907}
908	L _{A908}
909	L _{A909}
910	L _{A910}
911	L _{A911}
912	L _{A912}
913	L _{A913}
914	L _{A914}
915	L _{A915}

-continued

Compound Number	L _A
916	L _{A916}
917	L _{A917}
918	L _{A918}
919	L _{A919}
920	L _{A920}
921	L _{A921}
922	L _{A922}
923	L _{A923}
924	L _{A924}
925	L _{A925}
926	L _{A926}
927	L _{A927}
928	L _{A928}
929	L _{A929}
930	L _{A930}
931	L _{A931}
932	L _{A932}
933	L _{A933}
934	L _{A934}
935	L _{A935}
936	L _{A936}
937	L _{A937}
938	L _{A938}
939	L _{A939}
940	L _{A940}
941	L _{A941}
942	L _{A942}
943	L _{A943}
944	L _{A944}
945	L _{A945}
946	L _{A946}
947	L _{A947}
948	L _{A948}
949	L _{A949}
950	L _{A950}
951	L _{A951}
952	L _{A952}
953	L _{A953}
954	L _{A954}
955	L _{A955}
956	L _{A956}
957	L _{A957}
958	L _{A958}
959	L _{A959}
960	L _{A960}

18. The compound of claim **15**, wherein the compound has formula V:



and is selected from the group consisting of compound 961 to compound 5760 listed in the table below:

Compound Number	L _A	L _B
961	L _{A1}	L _{B1}
962	L _{A2}	L _{B1}
963	L _{A3}	L _{B1}
964	L _{A4}	L _{B1}
965	L _{A5}	L _{B1}
966	L _{A6}	L _{B1}
967	L _{A7}	L _{B1}
968	L _{A8}	L _{B1}
969	L _{A9}	L _{B1}
970	L _{A10}	L _{B1}
971	L _{A11}	L _{B1}
972	L _{A12}	L _{B1}
973	L _{A13}	L _{B1}
974	L _{A14}	L _{B1}

-continued

Compound Number	L _A	L _B
975	L _{A15}	L _{B1}
976	L _{A16}	L _{B1}
977	L _{A17}	L _{B1}
978	L _{A18}	L _{B1}
979	L _{A19}	L _{B1}
980	L _{A20}	L _{B1}
981	L _{A21}	L _{B1}
982	L _{A22}	L _{B1}
983	L _{A23}	L _{B1}
984	L _{A24}	L _{B1}
985	L _{A25}	L _{B1}
986	L _{A26}	L _{B1}
987	L _{A27}	L _{B1}
988	L _{A28}	L _{B1}
989	L _{A29}	L _{B1}
990	L _{A30}	L _{B1}
991	L _{A31}	L _{B1}
992	L _{A32}	L _{B1}
993	L _{A33}	L _{B1}
994	L _{A34}	L _{B1}
995	L _{A35}	L _{B1}
996	L _{A36}	L _{B1}
997	L _{A37}	L _{B1}
998	L _{A38}	L _{B1}
999	L _{A39}	L _{B1}
1000	L _{A40}	L _{B1}
1001	L _{A41}	L _{B1}
1002	L _{A42}	L _{B1}
1003	L _{A43}	L _{B1}
1004	L _{A44}	L _{B1}
1005	L _{A45}	L _{B1}
1006	L _{A46}	L _{B1}
1007	L _{A47}	L _{B1}
1008	L _{A48}	L _{B1}
1009	L _{A49}	L _{B1}
1010	L _{A50}	L _{B1}
1011	L _{A51}	L _{B1}
1012	L _{A52}	L _{B1}
1013	L _{A53}	L _{B1}
1014	L _{A54}	L _{B1}
1015	L _{A55}	L _{B1}
1016	L _{A56}	L _{B1}
1017	L _{A57}	L _{B1}
1018	L _{A58}	L _{B1}
1019	L _{A59}	L _{B1}
1020	L _{A60}	L _{B1}
1021	L _{A61}	L _{B1}
1022	L _{A62}	L _{B1}
1023	L _{A63}	L _{B1}
1024	L _{A64}	L _{B1}
1025	L _{A65}	L _{B1}
1026	L _{A66}	L _{B1}
1027	L _{A67}	L _{B1}
1028	L _{A68}	L _{B1}
1029	L _{A69}	L _{B1}
1030	L _{A70}	L _{B1}
1031	L _{A71}	L _{B1}
1032	L _{A72}	L _{B1}
1033	L _{A73}	L _{B1}
1034	L _{A74}	L _{B1}
1035	L _{A75}	L _{B1}
1036	L _{A76}	L _{B1}
1037	L _{A77}	L _{B1}
1038	L _{A78}	L _{B1}
1039	L _{A79}	L _{B1}
1040	L _{A80}	L _{B1}
1041	L _{A81}	L _{B1}
1042	L _{A82}	L _{B1}
1043	L _{A83}	L _{B1}
1044	L _{A84}	L _{B1}
1045	L _{A85}	L _{B1}
1046	L _{A86}	L _{B1}
1047	L _{A87}	L _{B1}

-continued

Compound Number	L _A	L _B
1048	L _{A88}	L _{B1}
1049	L _{A89}	L _{B1}
1050	L _{A90}	L _{B1}
1051	L _{A91}	L _{B1}
1052	L _{A92}	L _{B1}
1053	L _{A93}	L _{B1}
1054	L _{A94}	L _{B1}
1055	L _{A95}	L _{B1}
1056	L _{A96}	L _{B1}
1057	L _{A97}	L _{B1}
1058	L _{A98}	L _{B1}
1059	L _{A99}	L _{B1}
1060	L _{A100}	L _{B1}
1061	L _{A101}	L _{B1}
1062	L _{A102}	L _{B1}
1063	L _{A103}	L _{B1}
1064	L _{A104}	L _{B1}
1065	L _{A105}	L _{B1}
1066	L _{A106}	L _{B1}
1067	L _{A107}	L _{B1}
1068	L _{A108}	L _{B1}
1069	L _{A109}	L _{B1}
1070	L _{A110}	L _{B1}
1071	L _{A111}	L _{B1}
1072	L _{A112}	L _{B1}
1073	L _{A113}	L _{B1}
1074	L _{A114}	L _{B1}
1075	L _{A115}	L _{B1}
1076	L _{A116}	L _{B1}
1077	L _{A117}	L _{B1}
1078	L _{A118}	L _{B1}
1079	L _{A119}	L _{B1}
1080	L _{A120}	L _{B1}
1081	L _{A121}	L _{B1}
1082	L _{A122}	L _{B1}
1083	L _{A123}	L _{B1}
1084	L _{A124}	L _{B1}
1085	L _{A125}	L _{B1}
1086	L _{A126}	L _{B1}
1087	L _{A127}	L _{B1}
1088	L _{A128}	L _{B1}
1089	L _{A129}	L _{B1}
1090	L _{A130}	L _{B1}
1091	L _{A131}	L _{B1}
1092	L _{A132}	L _{B1}
1093	L _{A133}	L _{B1}
1094	L _{A134}	L _{B1}
1095	L _{A135}	L _{B1}
1096	L _{A136}	L _{B1}
1097	L _{A137}	L _{B1}
1098	L _{A138}	L _{B1}
1099	L _{A139}	L _{B1}
1100	L _{A140}	L _{B1}
1101	L _{A141}	L _{B1}
1102	L _{A142}	L _{B1}
1103	L _{A143}	L _{B1}
1104	L _{A144}	L _{B1}
1105	L _{A145}	L _{B1}
1106	L _{A146}	L _{B1}
1107	L _{A147}	L _{B1}
1108	L _{A148}	L _{B1}
1109	L _{A149}	L _{B1}
1110	L _{A150}	L _{B1}
1111	L _{A151}	L _{B1}
1112	L _{A152}	L _{B1}
1113	L _{A153}	L _{B1}
1114	L _{A154}	L _{B1}
1115	L _{A155}	L _{B1}
1116	L _{A156}	L _{B1}
1117	L _{A157}	L _{B1}
1118	L _{A158}	L _{B1}
1119	L _{A159}	L _{B1}
1120	L _{A160}	L _{B1}

-continued

Compound Number	L _A	L _B
1121	L _{A161}	L _{B1}
1122	L _{A162}	L _{B1}
1123	L _{A163}	L _{B1}
1124	L _{A164}	L _{B1}
1125	L _{A165}	L _{B1}
1126	L _{A166}	L _{B1}
1127	L _{A167}	L _{B1}
1128	L _{A168}	L _{B1}
1129	L _{A169}	L _{B1}
1130	L _{A170}	L _{B1}
1131	L _{A171}	L _{B1}
1132	L _{A172}	L _{B1}
1133	L _{A173}	L _{B1}
1134	L _{A174}	L _{B1}
1135	L _{A175}	L _{B1}
1136	L _{A176}	L _{B1}
1137	L _{A177}	L _{B1}
1138	L _{A178}	L _{B1}
1139	L _{A179}	L _{B1}
1140	L _{A180}	L _{B1}
1141	L _{A181}	L _{B1}
1142	L _{A182}	L _{B1}
1143	L _{A183}	L _{B1}
1144	L _{A184}	L _{B1}
1145	L _{A185}	L _{B1}
1146	L _{A186}	L _{B1}
1147	L _{A187}	L _{B1}
1148	L _{A188}	L _{B1}
1149	L _{A189}	L _{B1}
1150	L _{A190}	L _{B1}
1151	L _{A191}	L _{B1}
1152	L _{A192}	L _{B1}
1153	L _{A193}	L _{B1}
1154	L _{A194}	L _{B1}
1155	L _{A195}	L _{B1}
1156	L _{A196}	L _{B1}
1157	L _{A197}	L _{B1}
1158	L _{A198}	L _{B1}
1159	L _{A199}	L _{B1}
1160	L _{A200}	L _{B1}
1161	L _{A201}	L _{B1}
1162	L _{A202}	L _{B1}
1163	L _{A203}	L _{B1}
1164	L _{A204}	L _{B1}
1165	L _{A205}	L _{B1}
1166	L _{A206}	L _{B1}
1167	L _{A207}	L _{B1}
1168	L _{A208}	L _{B1}
1169	L _{A209}	L _{B1}
1170	L _{A210}	L _{B1}
1171	L _{A211}	L _{B1}
1172	L _{A212}	L _{B1}
1173	L _{A213}	L _{B1}
1174	L _{A214}	L _{B1}
1175	L _{A215}	L _{B1}
1176	L _{A216}	L _{B1}
1177	L _{A217}	L _{B1}
1178	L _{A218}	L _{B1}
1179	L _{A219}	L _{B1}
1180	L _{A220}	L _{B1}
1181	L _{A221}	L _{B1}
1182	L _{A222}	L _{B1}
1183	L _{A223}	L _{B1}
1184	L _{A224}	L _{B1}
1185	L _{A225}	L _{B1}
1186	L _{A226}	L _{B1}
1187	L _{A227}	L _{B1}
1188	L _{A228}	L _{B1}
1189	L _{A229}	L _{B1}
1190	L _{A230}	L _{B1}
1191	L _{A231}	L _{B1}
1192	L _{A232}	L _{B1}
1193	L _{A233}	L _{B1}

-continued

Compound Number	L _A	L _B
1194	L _{A234}	L _{B1}
1195	L _{A235}	L _{B1}
1196	L _{A236}	L _{B1}
1197	L _{A237}	L _{B1}
1198	L _{A238}	L _{B1}
1199	L _{A239}	L _{B1}
1200	L _{A240}	L _{B1}
1201	L _{A241}	L _{B1}
1202	L _{A242}	L _{B1}
1203	L _{A243}	L _{B1}
1204	L _{A244}	L _{B1}
1205	L _{A245}	L _{B1}
1206	L _{A246}	L _{B1}
1207	L _{A247}	L _{B1}
1208	L _{A248}	L _{B1}
1209	L _{A249}	L _{B1}
1210	L _{A250}	L _{B1}
1211	L _{A251}	L _{B1}
1212	L _{A252}	L _{B1}
1213	L _{A253}	L _{B1}
1214	L _{A254}	L _{B1}
1215	L _{A255}	L _{B1}
1216	L _{A256}	L _{B1}
1217	L _{A257}	L _{B1}
1218	L _{A258}	L _{B1}
1219	L _{A259}	L _{B1}
1220	L _{A260}	L _{B1}
1221	L _{A261}	L _{B1}
1222	L _{A262}	L _{B1}
1223	L _{A263}	L _{B1}
1224	L _{A264}	L _{B1}
1225	L _{A265}	L _{B1}
1226	L _{A266}	L _{B1}
1227	L _{A267}	L _{B1}
1228	L _{A268}	L _{B1}
1229	L _{A269}	L _{B1}
1230	L _{A270}	L _{B1}
1231	L _{A271}	L _{B1}
1232	L _{A272}	L _{B1}
1233	L _{A273}	L _{B1}
1234	L _{A274}	L _{B1}
1235	L _{A275}	L _{B1}
1236	L _{A276}	L _{B1}
1237	L _{A277}	L _{B1}
1238	L _{A278}	L _{B1}
1239	L _{A279}	L _{B1}
1240	L _{A280}	L _{B1}
1241	L _{A281}	L _{B1}
1242	L _{A282}	L _{B1}
1243	L _{A283}	L _{B1}
1244	L _{A284}	L _{B1}
1245	L _{A285}	L _{B1}
1246	L _{A286}	L _{B1}
1247	L _{A287}	L _{B1}
1248	L _{A288}	L _{B1}
1249	L _{A289}	L _{B1}
1250	L _{A290}	L _{B1}
1251	L _{A291}	L _{B1}
1252	L _{A292}	L _{B1}
1253	L _{A293}	L _{B1}
1254	L _{A294}	L _{B1}
1255	L _{A295}	L _{B1}
1256	L _{A296}	L _{B1}
1257	L _{A297}	L _{B1}
1258	L _{A298}	L _{B1}
1259	L _{A299}	L _{B1}
1260	L _{A300}	L _{B1}
1261	L _{A301}	L _{B1}
1262	L _{A302}	L _{B1}
1263	L _{A303}	L _{B1}
1264	L _{A304}	L _{B1}
1265	L _{A305}	L _{B1}
1266	L _{A306}	L _{B1}

-continued

Compound Number	L _A	L _B
1267	L _{A307}	L _{B1}
1268	L _{A308}	L _{B1}
1269	L _{A309}	L _{B1}
1270	L _{A310}	L _{B1}
1271	L _{A311}	L _{B1}
1272	L _{A312}	L _{B1}
1273	L _{A313}	L _{B1}
1274	L _{A314}	L _{B1}
1275	L _{A315}	L _{B1}
1276	L _{A316}	L _{B1}
1277	L _{A317}	L _{B1}
1278	L _{A318}	L _{B1}
1279	L _{A319}	L _{B1}
1280	L _{A320}	L _{B1}
1281	L _{A321}	L _{B1}
1282	L _{A322}	L _{B1}
1283	L _{A323}	L _{B1}
1284	L _{A324}	L _{B1}
1285	L _{A325}	L _{B1}
1286	L _{A326}	L _{B1}
1287	L _{A327}	L _{B1}
1288	L _{A328}	L _{B1}
1289	L _{A329}	L _{B1}
1290	L _{A330}	L _{B1}
1291	L _{A331}	L _{B1}
1292	L _{A332}	L _{B1}
1293	L _{A333}	L _{B1}
1294	L _{A334}	L _{B1}
1295	L _{A335}	L _{B1}
1296	L _{A336}	L _{B1}
1297	L _{A337}	L _{B1}
1298	L _{A338}	L _{B1}
1299	L _{A339}	L _{B1}
1300	L _{A340}	L _{B1}
1301	L _{A341}	L _{B1}
1302	L _{A342}	L _{B1}
1303	L _{A343}	L _{B1}
1304	L _{A344}	L _{B1}
1305	L _{A345}	L _{B1}
1306	L _{A346}	L _{B1}
1307	L _{A347}	L _{B1}
1308	L _{A348}	L _{B1}
1309	L _{A349}	L _{B1}
1310	L _{A350}	L _{B1}
1311	L _{A351}	L _{B1}
1312	L _{A352}	L _{B1}
1313	L _{A353}	L _{B1}
1314	L _{A354}	L _{B1}
1315	L _{A355}	L _{B1}
1316	L _{A356}	L _{B1}
1317	L _{A357}	L _{B1}
1318	L _{A358}	L _{B1}
1319	L _{A359}	L _{B1}
1320	L _{A360}	L _{B1}
1321	L _{A361}	L _{B1}
1322	L _{A362}	L _{B1}
1323	L _{A363}	L _{B1}
1324	L _{A364}	L _{B1}
1325	L _{A365}	L _{B1}
1326	L _{A366}	L _{B1}
1327	L _{A367}	L _{B1}
1328	L _{A368}	L _{B1}
1329	L _{A369}	L _{B1}
1330	L _{A370}	L _{B1}
1331	L _{A371}	L _{B1}
1332	L _{A372}	L _{B1}
1333	L _{A373}	L _{B1}
1334	L _{A374}	L _{B1}
1335	L _{A375}	L _{B1}
1336	L _{A376}	L _{B1}
1337	L _{A377}	L _{B1}
1338	L _{A378}	L _{B1}
1339	L _{A379}	L _{B1}

-continued

Compound Number	L _A	L _B
1340	L _{A380}	L _{B1}
1341	L _{A381}	L _{B1}
1342	L _{A382}	L _{B1}
1343	L _{A383}	L _{B1}
1344	L _{A384}	L _{B1}
1345	L _{A385}	L _{B1}
1346	L _{A386}	L _{B1}
1347	L _{A387}	L _{B1}
1348	L _{A388}	L _{B1}
1349	L _{A389}	L _{B1}
1350	L _{A390}	L _{B1}
1351	L _{A391}	L _{B1}
1352	L _{A392}	L _{B1}
1353	L _{A393}	L _{B1}
1354	L _{A394}	L _{B1}
1355	L _{A395}	L _{B1}
1356	L _{A396}	L _{B1}
1357	L _{A397}	L _{B1}
1358	L _{A398}	L _{B1}
1359	L _{A399}	L _{B1}
1360	L _{A400}	L _{B1}
1361	L _{A401}	L _{B1}
1362	L _{A402}	L _{B1}
1363	L _{A403}	L _{B1}
1364	L _{A404}	L _{B1}
1365	L _{A405}	L _{B1}
1366	L _{A406}	L _{B1}
1367	L _{A407}	L _{B1}
1368	L _{A408}	L _{B1}
1369	L _{A409}	L _{B1}
1370	L _{A410}	L _{B1}
1371	L _{A411}	L _{B1}
1372	L _{A412}	L _{B1}
1373	L _{A413}	L _{B1}
1374	L _{A414}	L _{B1}
1375	L _{A415}	L _{B1}
1376	L _{A416}	L _{B1}
1377	L _{A417}	L _{B1}
1378	L _{A418}	L _{B1}
1379	L _{A419}	L _{B1}
1380	L _{A420}	L _{B1}
1381	L _{A421}	L _{B1}
1382	L _{A422}	L _{B1}
1383	L _{A423}	L _{B1}
1384	L _{A424}	L _{B1}
1385	L _{A425}	L _{B1}
1386	L _{A426}	L _{B1}
1387	L _{A427}	L _{B1}
1388	L _{A428}	L _{B1}
1389	L _{A429}	L _{B1}
1390	L _{A430}	L _{B1}
1391	L _{A431}	L _{B1}
1392	L _{A432}	L _{B1}
1393	L _{A433}	L _{B1}
1394	L _{A434}	L _{B1}
1395	L _{A435}	L _{B1}
1396	L _{A436}	L _{B1}
1397	L _{A437}	L _{B1}
1398	L _{A438}	L _{B1}
1399	L _{A439}	L _{B1}
1400	L _{A440}	L _{B1}
1401	L _{A441}	L _{B1}
1402	L _{A442}	L _{B1}
1403	L _{A443}	L _{B1}
1404	L _{A444}	L _{B1}
1405	L _{A445}	L _{B1}
1406	L _{A446}	L _{B1}
1407	L _{A447}	L _{B1}
1408	L _{A448}	L _{B1}
1409	L _{A449}	L _{B1}
1410	L _{A450}	L _{B1}
1411	L _{A451}	L _{B1}
1412	L _{A452}	L _{B1}

-continued

Compound Number	L _A	L _B
1413	L _{A453}	L _{B1}
1414	L _{A454}	L _{B1}
1415	L _{A455}	L _{B1}
1416	L _{A456}	L _{B1}
1417	L _{A457}	L _{B1}
1418	L _{A458}	L _{B1}
1419	L _{A459}	L _{B1}
1420	L _{A460}	L _{B1}
1421	L _{A461}	L _{B1}
1422	L _{A462}	L _{B1}
1423	L _{A463}	L _{B1}
1424	L _{A464}	L _{B1}
1425	L _{A465}	L _{B1}
1426	L _{A466}	L _{B1}
1427	L _{A467}	L _{B1}
1428	L _{A468}	L _{B1}
1429	L _{A469}	L _{B1}
1430	L _{A470}	L _{B1}
1431	L _{A471}	L _{B1}
1432	L _{A472}	L _{B1}
1433	L _{A473}	L _{B1}
1434	L _{A474}	L _{B1}
1435	L _{A475}	L _{B1}
1436	L _{A476}	L _{B1}
1437	L _{A477}	L _{B1}
1438	L _{A478}	L _{B1}
1439	L _{A479}	L _{B1}
1440	L _{A480}	L _{B1}
1441	L _{A481}	L _{B1}
1442	L _{A482}	L _{B1}
1443	L _{A483}	L _{B1}
1444	L _{A484}	L _{B1}
1445	L _{A485}	L _{B1}
1446	L _{A486}	L _{B1}
1447	L _{A487}	L _{B1}
1448	L _{A488}	L _{B1}
1449	L _{A489}	L _{B1}
1450	L _{A490}	L _{B1}
1451	L _{A491}	L _{B1}
1452	L _{A492}	L _{B1}
1453	L _{A493}	L _{B1}
1454	L _{A494}	L _{B1}
1455	L _{A495}	L _{B1}
1456	L _{A496}	L _{B1}
1457	L _{A497}	L _{B1}
1458	L _{A498}	L _{B1}
1459	L _{A499}	L _{B1}
1460	L _{A500}	L _{B1}
1461	L _{A501}	L _{B1}
1462	L _{A502}	L _{B1}
1463	L _{A503}	L _{B1}
1464	L _{A504}	L _{B1}
1465	L _{A505}	L _{B1}
1466	L _{A506}	L _{B1}
1467	L _{A507}	L _{B1}
1468	L _{A508}	L _{B1}
1469	L _{A509}	L _{B1}
1470	L _{A510}	L _{B1}
1471	L _{A511}	L _{B1}
1472	L _{A512}	L _{B1}
1473	L _{A513}	L _{B1}
1474	L _{A514}	L _{B1}
1475	L _{A515}	L _{B1}
1476	L _{A516}	L _{B1}
1477	L _{A517}	L _{B1}
1478	L _{A518}	L _{B1}
1479	L _{A519}	L _{B1}
1480	L _{A520}	L _{B1}
1481	L _{A521}	L _{B1}
1482	L _{A522}	L _{B1}
1483	L _{A523}	L _{B1}
1484	L _{A524}	L _{B1}
1485	L _{A525}	L _{B1}

-continued

Compound Number	L _A	L _B
1486	L ₄₅₂₆	L _{B1}
1487	L ₄₅₂₇	L _{B1}
1488	L ₄₅₂₈	L _{B1}
1489	L ₄₅₂₉	L _{B1}
1490	L ₄₅₃₀	L _{B1}
1491	L ₄₅₃₁	L _{B1}
1492	L ₄₅₃₂	L _{B1}
1493	L ₄₅₃₃	L _{B1}
1494	L ₄₅₃₄	L _{B1}
1495	L ₄₅₃₅	L _{B1}
1496	L ₄₅₃₆	L _{B1}
1497	L ₄₅₃₇	L _{B1}
1498	L ₄₅₃₈	L _{B1}
1499	L ₄₅₃₉	L _{B1}
1500	L ₄₅₄₀	L _{B1}
1501	L ₄₅₄₁	L _{B1}
1502	L ₄₅₄₂	L _{B1}
1503	L ₄₅₄₃	L _{B1}
1504	L ₄₅₄₄	L _{B1}
1505	L ₄₅₄₅	L _{B1}
1506	L ₄₅₄₆	L _{B1}
1507	L ₄₅₄₇	L _{B1}
1508	L ₄₅₄₈	L _{B1}
1509	L ₄₅₄₉	L _{B1}
1510	L ₄₅₅₀	L _{B1}
1511	L ₄₅₅₁	L _{B1}
1512	L ₄₅₅₂	L _{B1}
1513	L ₄₅₅₃	L _{B1}
1514	L ₄₅₅₄	L _{B1}
1515	L ₄₅₅₅	L _{B1}
1516	L ₄₅₅₆	L _{B1}
1517	L ₄₅₅₇	L _{B1}
1518	L ₄₅₅₈	L _{B1}
1519	L ₄₅₅₉	L _{B1}
1520	L ₄₅₆₀	L _{B1}
1521	L ₄₅₆₁	L _{B1}
1522	L ₄₅₆₂	L _{B1}
1523	L ₄₅₆₃	L _{B1}
1524	L ₄₅₆₄	L _{B1}
1525	L ₄₅₆₅	L _{B1}
1526	L ₄₅₆₆	L _{B1}
1527	L ₄₅₆₇	L _{B1}
1528	L ₄₅₆₈	L _{B1}
1529	L ₄₅₆₉	L _{B1}
1530	L ₄₅₇₀	L _{B1}
1531	L ₄₅₇₁	L _{B1}
1532	L ₄₅₇₂	L _{B1}
1533	L ₄₅₇₃	L _{B1}
1534	L ₄₅₇₄	L _{B1}
1535	L ₄₅₇₅	L _{B1}
1536	L ₄₅₇₆	L _{B1}
1537	L ₄₅₇₇	L _{B1}
1538	L ₄₅₇₈	L _{B1}
1539	L ₄₅₇₉	L _{B1}
1540	L ₄₅₈₀	L _{B1}
1541	L ₄₅₈₁	L _{B1}
1542	L ₄₅₈₂	L _{B1}
1543	L ₄₅₈₃	L _{B1}
1544	L ₄₅₈₄	L _{B1}
1545	L ₄₅₈₅	L _{B1}
1546	L ₄₅₈₆	L _{B1}
1547	L ₄₅₈₇	L _{B1}
1548	L ₄₅₈₈	L _{B1}
1549	L ₄₅₈₉	L _{B1}
1550	L ₄₅₉₀	L _{B1}
1551	L ₄₅₉₁	L _{B1}
1552	L ₄₅₉₂	L _{B1}
1553	L ₄₅₉₃	L _{B1}
1554	L ₄₅₉₄	L _{B1}
1555	L ₄₅₉₅	L _{B1}
1556	L ₄₅₉₆	L _{B1}
1557	L ₄₅₉₇	L _{B1}
1558	L ₄₅₉₈	L _{B1}

-continued

Compound Number	L _A	L _B
1559	L ₄₅₉₉	L _{B1}
1560	L ₄₆₀₀	L _{B1}
1561	L ₄₆₀₁	L _{B1}
1562	L ₄₆₀₂	L _{B1}
1563	L ₄₆₀₃	L _{B1}
1564	L ₄₆₀₄	L _{B1}
1565	L ₄₆₀₅	L _{B1}
1566	L ₄₆₀₆	L _{B1}
1567	L ₄₆₀₇	L _{B1}
1568	L ₄₆₀₈	L _{B1}
1569	L ₄₆₀₉	L _{B1}
1570	L ₄₆₁₀	L _{B1}
1571	L ₄₆₁₁	L _{B1}
1572	L ₄₆₁₂	L _{B1}
1573	L ₄₆₁₃	L _{B1}
1574	L ₄₆₁₄	L _{B1}
1575	L ₄₆₁₅	L _{B1}
1576	L ₄₆₁₆	L _{B1}
1577	L ₄₆₁₇	L _{B1}
1578	L ₄₆₁₈	L _{B1}
1579	L ₄₆₁₉	L _{B1}
1580	L ₄₆₂₀	L _{B1}
1581	L ₄₆₂₁	L _{B1}
1582	L ₄₆₂₂	L _{B1}
1583	L ₄₆₂₃	L _{B1}
1584	L ₄₆₂₄	L _{B1}
1585	L ₄₆₂₅	L _{B1}
1586	L ₄₆₂₆	L _{B1}
1587	L ₄₆₂₇	L _{B1}
1588	L ₄₆₂₈	L _{B1}
1589	L ₄₆₂₉	L _{B1}
1590	L ₄₆₃₀	L _{B1}
1591	L ₄₆₃₁	L _{B1}
1592	L ₄₆₃₂	L _{B1}
1593	L ₄₆₃₃	L _{B1}
1594	L ₄₆₃₄	L _{B1}
1595	L ₄₆₃₅	L _{B1}
1596	L ₄₆₃₆	L _{B1}
1597	L ₄₆₃₇	L _{B1}
1598	L ₄₆₃₈	L _{B1}
1599	L ₄₆₃₉	L _{B1}
1600	L ₄₆₄₀	L _{B1}
1601	L ₄₆₄₁	L _{B1}
1602	L ₄₆₄₂	L _{B1}
1603	L ₄₆₄₃	L _{B1}
1604	L ₄₆₄₄	L _{B1}
1605	L ₄₆₄₅	L _{B1}
1606	L ₄₆₄₆	L _{B1}
1607	L ₄₆₄₇	L _{B1}
1608	L ₄₆₄₈	L _{B1}
1609	L ₄₆₄₉	L _{B1}
1610	L ₄₆₅₀	L _{B1}
1611	L ₄₆₅₁	L _{B1}
1612	L ₄₆₅₂	L _{B1}
1613	L ₄₆₅₃	L _{B1}
1614	L ₄₆₅₄	L _{B1}
1615	L ₄₆₅₅	L _{B1}
1616	L ₄₆₅₆	L _{B1}
1617	L ₄₆₅₇	L _{B1}
1618	L ₄₆₅₈	L _{B1}
1619	L ₄₆₅₉	L _{B1}
1620	L ₄₆₆₀	L _{B1}
1621	L ₄₆₆₁	L _{B1}
1622	L ₄₆₆₂	L _{B1}
1623	L ₄₆₆₃	L _{B1}
1624	L ₄₆₆₄	L _{B1}
1625	L ₄₆₆₅	L _{B1}
1626	L ₄₆₆₆	L _{B1}
1627	L ₄₆₆₇	L _{B1}
1628	L ₄₆₆₈	L _{B1}
1629	L ₄₆₆₉	L _{B1}
1630	L ₄₆₇₀	L _{B1}
1631	L ₄₆₇₁	L _{B1}

-continued

Compound Number	L _A	L _B
1632	L _{A672}	L _{B1}
1633	L _{A673}	L _{B1}
1634	L _{A674}	L _{B1}
1635	L _{A675}	L _{B1}
1636	L _{A676}	L _{B1}
1637	L _{A677}	L _{B1}
1638	L _{A678}	L _{B1}
1639	L _{A679}	L _{B1}
1640	L _{A680}	L _{B1}
1641	L _{A681}	L _{B1}
1642	L _{A682}	L _{B1}
1643	L _{A683}	L _{B1}
1644	L _{A684}	L _{B1}
1645	L _{A685}	L _{B1}
1646	L _{A686}	L _{B1}
1647	L _{A687}	L _{B1}
1648	L _{A688}	L _{B1}
1649	L _{A689}	L _{B1}
1650	L _{A690}	L _{B1}
1651	L _{A691}	L _{B1}
1652	L _{A692}	L _{B1}
1653	L _{A693}	L _{B1}
1654	L _{A694}	L _{B1}
1655	L _{A695}	L _{B1}
1656	L _{A696}	L _{B1}
1657	L _{A697}	L _{B1}
1658	L _{A698}	L _{B1}
1659	L _{A699}	L _{B1}
1660	L _{A700}	L _{B1}
1661	L _{A701}	L _{B1}
1662	L _{A702}	L _{B1}
1663	L _{A703}	L _{B1}
1664	L _{A704}	L _{B1}
1665	L _{A705}	L _{B1}
1666	L _{A706}	L _{B1}
1667	L _{A707}	L _{B1}
1668	L _{A708}	L _{B1}
1669	L _{A709}	L _{B1}
1670	L _{A710}	L _{B1}
1671	L _{A711}	L _{B1}
1672	L _{A712}	L _{B1}
1673	L _{A713}	L _{B1}
1674	L _{A714}	L _{B1}
1675	L _{A715}	L _{B1}
1676	L _{A716}	L _{B1}
1677	L _{A717}	L _{B1}
1678	L _{A718}	L _{B1}
1679	L _{A719}	L _{B1}
1680	L _{A720}	L _{B1}
1681	L _{A721}	L _{B1}
1682	L _{A722}	L _{B1}
1683	L _{A723}	L _{B1}
1684	L _{A724}	L _{B1}
1685	L _{A725}	L _{B1}
1686	L _{A726}	L _{B1}
1687	L _{A727}	L _{B1}
1688	L _{A728}	L _{B1}
1689	L _{A729}	L _{B1}
1690	L _{A730}	L _{B1}
1691	L _{A731}	L _{B1}
1692	L _{A732}	L _{B1}
1693	L _{A733}	L _{B1}
1694	L _{A734}	L _{B1}
1695	L _{A735}	L _{B1}
1696	L _{A736}	L _{B1}
1697	L _{A737}	L _{B1}
1698	L _{A738}	L _{B1}
1699	L _{A739}	L _{B1}
1700	L _{A740}	L _{B1}
1701	L _{A741}	L _{B1}
1702	L _{A742}	L _{B1}
1703	L _{A743}	L _{B1}
1704	L _{A744}	L _{B1}

-continued

Compound Number	L _A	L _B
1705	L _{A745}	L _{B1}
1706	L _{A746}	L _{B1}
1707	L _{A747}	L _{B1}
1708	L _{A748}	L _{B1}
1709	L _{A749}	L _{B1}
1710	L _{A750}	L _{B1}
1711	L _{A751}	L _{B1}
1712	L _{A752}	L _{B1}
1713	L _{A753}	L _{B1}
1714	L _{A754}	L _{B1}
1715	L _{A755}	L _{B1}
1716	L _{A756}	L _{B1}
1717	L _{A757}	L _{B1}
1718	L _{A758}	L _{B1}
1719	L _{A759}	L _{B1}
1720	L _{A760}	L _{B1}
1721	L _{A761}	L _{B1}
1722	L _{A762}	L _{B1}
1723	L _{A763}	L _{B1}
1724	L _{A764}	L _{B1}
1725	L _{A765}	L _{B1}
1726	L _{A766}	L _{B1}
1727	L _{A767}	L _{B1}
1728	L _{A768}	L _{B1}
1729	L _{A769}	L _{B1}
1730	L _{A770}	L _{B1}
1731	L _{A771}	L _{B1}
1732	L _{A772}	L _{B1}
1733	L _{A773}	L _{B1}
1734	L _{A774}	L _{B1}
1735	L _{A775}	L _{B1}
1736	L _{A776}	L _{B1}
1737	L _{A777}	L _{B1}
1738	L _{A778}	L _{B1}
1739	L _{A779}	L _{B1}
1740	L _{A780}	L _{B1}
1741	L _{A781}	L _{B1}
1742	L _{A782}	L _{B1}
1743	L _{A783}	L _{B1}
1744	L _{A784}	L _{B1}
1745	L _{A785}	L _{B1}
1746	L _{A786}	L _{B1}
1747	L _{A787}	L _{B1}
1748	L _{A788}	L _{B1}
1749	L _{A789}	L _{B1}
1750	L _{A790}	L _{B1}
1751	L _{A791}	L _{B1}
1752	L _{A792}	L _{B1}
1753	L _{A793}	L _{B1}
1754	L _{A794}	L _{B1}
1755	L _{A795}	L _{B1}
1756	L _{A796}	L _{B1}
1757	L _{A797}	L _{B1}
1758	L _{A798}	L _{B1}
1759	L _{A799}	L _{B1}
1760	L _{A800}	L _{B1}
1761	L _{A801}	L _{B1}
1762	L _{A802}	L _{B1}
1763	L _{A803}	L _{B1}
1764	L _{A804}	L _{B1}
1765	L _{A805}	L _{B1}
1766	L _{A806}	L _{B1}
1767	L _{A807}	L _{B1}
1768	L _{A808}	L _{B1}
1769	L _{A809}	L _{B1}
1770	L _{A810}	L _{B1}
1771	L _{A811}	L _{B1}
1772	L _{A812}	L _{B1}
1773	L _{A813}	L _{B1}
1774	L _{A814}	L _{B1}
1775	L _{A815}	L _{B1}
1776	L _{A816}	L _{B1}
1777	L _{A817}	L _{B1}

-continued

Compound Number	L _A	L _B
1778	L _{A818}	L _{B1}
1779	L _{A819}	L _{B1}
1780	L _{A820}	L _{B1}
1781	L _{A821}	L _{B1}
1782	L _{A822}	L _{B1}
1783	L _{A823}	L _{B1}
1784	L _{A824}	L _{B1}
1785	L _{A825}	L _{B1}
1786	L _{A826}	L _{B1}
1787	L _{A827}	L _{B1}
1788	L _{A828}	L _{B1}
1789	L _{A829}	L _{B1}
1790	L _{A830}	L _{B1}
1791	L _{A831}	L _{B1}
1792	L _{A832}	L _{B1}
1793	L _{A833}	L _{B1}
1794	L _{A834}	L _{B1}
1795	L _{A835}	L _{B1}
1796	L _{A836}	L _{B1}
1797	L _{A837}	L _{B1}
1798	L _{A838}	L _{B1}
1799	L _{A839}	L _{B1}
1800	L _{A840}	L _{B1}
1801	L _{A841}	L _{B1}
1802	L _{A842}	L _{B1}
1803	L _{A843}	L _{B1}
1804	L _{A844}	L _{B1}
1805	L _{A845}	L _{B1}
1806	L _{A846}	L _{B1}
1807	L _{A847}	L _{B1}
1808	L _{A848}	L _{B1}
1809	L _{A849}	L _{B1}
1810	L _{A850}	L _{B1}
1811	L _{A851}	L _{B1}
1812	L _{A852}	L _{B1}
1813	L _{A853}	L _{B1}
1814	L _{A854}	L _{B1}
1815	L _{A855}	L _{B1}
1816	L _{A856}	L _{B1}
1817	L _{A857}	L _{B1}
1818	L _{A858}	L _{B1}
1819	L _{A859}	L _{B1}
1820	L _{A860}	L _{B1}
1821	L _{A861}	L _{B1}
1822	L _{A862}	L _{B1}
1823	L _{A863}	L _{B1}
1824	L _{A864}	L _{B1}
1825	L _{A865}	L _{B1}
1826	L _{A866}	L _{B1}
1827	L _{A867}	L _{B1}
1828	L _{A868}	L _{B1}
1829	L _{A869}	L _{B1}
1830	L _{A870}	L _{B1}
1831	L _{A871}	L _{B1}
1832	L _{A872}	L _{B1}
1833	L _{A873}	L _{B1}
1834	L _{A874}	L _{B1}
1835	L _{A875}	L _{B1}
1836	L _{A876}	L _{B1}
1837	L _{A877}	L _{B1}
1838	L _{A878}	L _{B1}
1839	L _{A879}	L _{B1}
1840	L _{A880}	L _{B1}
1841	L _{A881}	L _{B1}
1842	L _{A882}	L _{B1}
1843	L _{A883}	L _{B1}
1844	L _{A884}	L _{B1}
1845	L _{A885}	L _{B1}
1846	L _{A886}	L _{B1}
1847	L _{A887}	L _{B1}
1848	L _{A888}	L _{B1}
1849	L _{A889}	L _{B1}
1850	L _{A890}	L _{B1}

-continued

Compound Number	L _A	L _B
1851	L _{A891}	L _{B1}
1852	L _{A892}	L _{B1}
1853	L _{A893}	L _{B1}
1854	L _{A894}	L _{B1}
1855	L _{A895}	L _{B1}
1856	L _{A896}	L _{B1}
1857	L _{A897}	L _{B1}
1858	L _{A898}	L _{B1}
1859	L _{A899}	L _{B1}
1860	L _{A900}	L _{B1}
1861	L _{A901}	L _{B1}
1862	L _{A902}	L _{B1}
1863	L _{A903}	L _{B1}
1864	L _{A904}	L _{B1}
1865	L _{A905}	L _{B1}
1866	L _{A906}	L _{B1}
1867	L _{A907}	L _{B1}
1868	L _{A908}	L _{B1}
1869	L _{A909}	L _{B1}
1870	L _{A910}	L _{B1}
1871	L _{A911}	L _{B1}
1872	L _{A912}	L _{B1}
1873	L _{A913}	L _{B1}
1874	L _{A914}	L _{B1}
1875	L _{A915}	L _{B1}
1876	L _{A916}	L _{B1}
1877	L _{A917}	L _{B1}
1878	L _{A918}	L _{B1}
1879	L _{A919}	L _{B1}
1880	L _{A920}	L _{B1}
1881	L _{A921}	L _{B1}
1882	L _{A922}	L _{B1}
1883	L _{A923}	L _{B1}
1884	L _{A924}	L _{B1}
1885	L _{A925}	L _{B1}
1886	L _{A926}	L _{B1}
1887	L _{A927}	L _{B1}
1888	L _{A928}	L _{B1}
1889	L _{A929}	L _{B1}
1890	L _{A930}	L _{B1}
1891	L _{A931}	L _{B1}
1892	L _{A932}	L _{B1}
1893	L _{A933}	L _{B1}
1894	L _{A934}	L _{B1}
1895	L _{A935}	L _{B1}
1896	L _{A936}	L _{B1}
1897	L _{A937}	L _{B1}
1898	L _{A938}	L _{B1}
1899	L _{A939}	L _{B1}
1900	L _{A940}	L _{B1}
1901	L _{A941}	L _{B1}
1902	L _{A942}	L _{B1}
1903	L _{A943}	L _{B1}
1904	L _{A944}	L _{B1}
1905	L _{A945}	L _{B1}
1906	L _{A946}	L _{B1}
1907	L _{A947}	L _{B1}
1908	L _{A948}	L _{B1}
1909	L _{A949}	L _{B1}
1910	L _{A950}	L _{B1}
1911	L _{A951}	L _{B1}
1912	L _{A952}	L _{B1}
1913	L _{A953}	L _{B1}
1914	L _{A954}	L _{B1}
1915	L _{A955}	L _{B1}
1916	L _{A956}	L _{B1}
1917	L _{A957}	L _{B1}
1918	L _{A958}	L _{B1}
1919	L _{A959}	L _{B1}
1920	L _{A960}	L _{B1}
1921	L _{A1}	L _{B2}
1922	L _{A2}	L _{B2}
1923	L _{A3}	L _{B2}

-continued

Compound Number	L _A	L _B
1924	L _{A44}	L _{B2}
1925	L _{A45}	L _{B2}
1926	L _{A46}	L _{B2}
1927	L _{A47}	L _{B2}
1928	L _{A48}	L _{B2}
1929	L _{A49}	L _{B2}
1930	L _{A10}	L _{B2}
1931	L _{A11}	L _{B2}
1932	L _{A12}	L _{B2}
1933	L _{A13}	L _{B2}
1934	L _{A14}	L _{B2}
1935	L _{A15}	L _{B2}
1936	L _{A16}	L _{B2}
1937	L _{A17}	L _{B2}
1938	L _{A18}	L _{B2}
1939	L _{A19}	L _{B2}
1940	L _{A20}	L _{B2}
1941	L _{A21}	L _{B2}
1942	L _{A22}	L _{B2}
1943	L _{A23}	L _{B2}
1944	L _{A24}	L _{B2}
1945	L _{A25}	L _{B2}
1946	L _{A26}	L _{B2}
1947	L _{A27}	L _{B2}
1948	L _{A28}	L _{B2}
1949	L _{A29}	L _{B2}
1950	L _{A30}	L _{B2}
1951	L _{A31}	L _{B2}
1952	L _{A32}	L _{B2}
1953	L _{A33}	L _{B2}
1954	L _{A34}	L _{B2}
1955	L _{A35}	L _{B2}
1956	L _{A36}	L _{B2}
1957	L _{A37}	L _{B2}
1958	L _{A38}	L _{B2}
1959	L _{A39}	L _{B2}
1960	L _{A40}	L _{B2}
1961	L _{A41}	L _{B2}
1962	L _{A42}	L _{B2}
1963	L _{A43}	L _{B2}
1964	L _{A44}	L _{B2}
1965	L _{A45}	L _{B2}
1966	L _{A46}	L _{B2}
1967	L _{A47}	L _{B2}
1968	L _{A48}	L _{B2}
1969	L _{A49}	L _{B2}
1970	L _{A50}	L _{B2}
1971	L _{A51}	L _{B2}
1972	L _{A52}	L _{B2}
1973	L _{A53}	L _{B2}
1974	L _{A54}	L _{B2}
1975	L _{A55}	L _{B2}
1976	L _{A56}	L _{B2}
1977	L _{A57}	L _{B2}
1978	L _{A58}	L _{B2}
1979	L _{A59}	L _{B2}
1980	L _{A60}	L _{B2}
1981	L _{A61}	L _{B2}
1982	L _{A62}	L _{B2}
1983	L _{A63}	L _{B2}
1984	L _{A64}	L _{B2}
1985	L _{A65}	L _{B2}
1986	L _{A66}	L _{B2}
1987	L _{A67}	L _{B2}
1988	L _{A68}	L _{B2}
1989	L _{A69}	L _{B2}
1990	L _{A70}	L _{B2}
1991	L _{A71}	L _{B2}
1992	L _{A72}	L _{B2}
1993	L _{A73}	L _{B2}
1994	L _{A74}	L _{B2}
1995	L _{A75}	L _{B2}
1996	L _{A76}	L _{B2}

-continued

Compound Number	L _A	L _B
1997	L _{A77}	L _{B2}
1998	L _{A78}	L _{B2}
1999	L _{A79}	L _{B2}
2000	L _{A80}	L _{B2}
2001	L _{A81}	L _{B2}
2002	L _{A82}	L _{B2}
2003	L _{A83}	L _{B2}
2004	L _{A84}	L _{B2}
2005	L _{A85}	L _{B2}
2006	L _{A86}	L _{B2}
2007	L _{A87}	L _{B2}
2008	L _{A88}	L _{B2}
2009	L _{A89}	L _{B2}
2010	L _{A90}	L _{B2}
2011	L _{A91}	L _{B2}
2012	L _{A92}	L _{B2}
2013	L _{A93}	L _{B2}
2014	L _{A94}	L _{B2}
2015	L _{A95}	L _{B2}
2016	L _{A96}	L _{B2}
2017	L _{A97}	L _{B2}
2018	L _{A98}	L _{B2}
2019	L _{A99}	L _{B2}
2020	L _{A100}	L _{B2}
2021	L _{A101}	L _{B2}
2022	L _{A102}	L _{B2}
2023	L _{A103}	L _{B2}
2024	L _{A104}	L _{B2}
2025	L _{A105}	L _{B2}
2026	L _{A106}	L _{B2}
2027	L _{A107}	L _{B2}
2028	L _{A108}	L _{B2}
2029	L _{A109}	L _{B2}
2030	L _{A110}	L _{B2}
2031	L _{A111}	L _{B2}
2032	L _{A112}	L _{B2}
2033	L _{A113}	L _{B2}
2034	L _{A114}	L _{B2}
2035	L _{A115}	L _{B2}
2036	L _{A116}	L _{B2}
2037	L _{A117}	L _{B2}
2038	L _{A118}	L _{B2}
2039	L _{A119}	L _{B2}
2040	L _{A120}	L _{B2}
2041	L _{A121}	L _{B2}
2042	L _{A122}	L _{B2}
2043	L _{A123}	L _{B2}
2044	L _{A124}	L _{B2}
2045	L _{A125}	L _{B2}
2046	L _{A126}	L _{B2}
2047	L _{A127}	L _{B2}
2048	L _{A128}	L _{B2}
2049	L _{A129}	L _{B2}
2050	L _{A130}	L _{B2}
2051	L _{A131}	L _{B2}
2052	L _{A132}	L _{B2}
2053	L _{A133}	L _{B2}
2054	L _{A134}	L _{B2}
2055	L _{A135}	L _{B2}
2056	L _{A136}	L _{B2}
2057	L _{A137}	L _{B2}
2058	L _{A138}	L _{B2}
2059	L _{A139}	L _{B2}
2060	L _{A140}	L _{B2}
2061	L _{A141}	L _{B2}
2062	L _{A142}	L _{B2}
2063	L _{A143}	L _{B2}
2064	L _{A144}	L _{B2}
2065	L _{A145}	L _{B2}
2066	L _{A146}	L _{B2}
2067	L _{A147}	L _{B2}
2068	L _{A148}	L _{B2}
2069	L _{A149}	L _{B2}

-continued

Compound Number	L _A	L _B
2070	L _{A150}	L _{B2}
2071	L _{A151}	L _{B2}
2072	L _{A152}	L _{B2}
2073	L _{A153}	L _{B2}
2074	L _{A154}	L _{B2}
2075	L _{A155}	L _{B2}
2076	L _{A156}	L _{B2}
2077	L _{A157}	L _{B2}
2078	L _{A158}	L _{B2}
2079	L _{A159}	L _{B2}
2080	L _{A160}	L _{B2}
2081	L _{A161}	L _{B2}
2082	L _{A162}	L _{B2}
2083	L _{A163}	L _{B2}
2084	L _{A164}	L _{B2}
2085	L _{A165}	L _{B2}
2086	L _{A166}	L _{B2}
2087	L _{A167}	L _{B2}
2088	L _{A168}	L _{B2}
2089	L _{A169}	L _{B2}
2090	L _{A170}	L _{B2}
2091	L _{A171}	L _{B2}
2092	L _{A172}	L _{B2}
2093	L _{A173}	L _{B2}
2094	L _{A174}	L _{B2}
2095	L _{A175}	L _{B2}
2096	L _{A176}	L _{B2}
2097	L _{A177}	L _{B2}
2098	L _{A178}	L _{B2}
2099	L _{A179}	L _{B2}
2100	L _{A180}	L _{B2}
2101	L _{A181}	L _{B2}
2102	L _{A182}	L _{B2}
2103	L _{A183}	L _{B2}
2104	L _{A184}	L _{B2}
2105	L _{A185}	L _{B2}
2106	L _{A186}	L _{B2}
2107	L _{A187}	L _{B2}
2108	L _{A188}	L _{B2}
2109	L _{A189}	L _{B2}
2110	L _{A190}	L _{B2}
2111	L _{A191}	L _{B2}
2112	L _{A192}	L _{B2}
2113	L _{A193}	L _{B2}
2114	L _{A194}	L _{B2}
2115	L _{A195}	L _{B2}
2116	L _{A196}	L _{B2}
2117	L _{A197}	L _{B2}
2118	L _{A198}	L _{B2}
2119	L _{A199}	L _{B2}
2120	L _{A200}	L _{B2}
2121	L _{A201}	L _{B2}
2122	L _{A202}	L _{B2}
2123	L _{A203}	L _{B2}
2124	L _{A204}	L _{B2}
2125	L _{A205}	L _{B2}
2126	L _{A206}	L _{B2}
2127	L _{A207}	L _{B2}
2128	L _{A208}	L _{B2}
2129	L _{A209}	L _{B2}
2130	L _{A210}	L _{B2}
2131	L _{A211}	L _{B2}
2132	L _{A212}	L _{B2}
2133	L _{A213}	L _{B2}
2134	L _{A214}	L _{B2}
2135	L _{A215}	L _{B2}
2136	L _{A216}	L _{B2}
2137	L _{A217}	L _{B2}
2138	L _{A218}	L _{B2}
2139	L _{A219}	L _{B2}
2140	L _{A220}	L _{B2}
2141	L _{A221}	L _{B2}
2142	L _{A222}	L _{B2}

-continued

Compound Number	L _A	L _B
2143	L _{A223}	L _{B2}
2144	L _{A224}	L _{B2}
2145	L _{A225}	L _{B2}
2146	L _{A226}	L _{B2}
2147	L _{A227}	L _{B2}
2148	L _{A228}	L _{B2}
2149	L _{A229}	L _{B2}
2150	L _{A230}	L _{B2}
2151	L _{A231}	L _{B2}
2152	L _{A232}	L _{B2}
2153	L _{A233}	L _{B2}
2154	L _{A234}	L _{B2}
2155	L _{A235}	L _{B2}
2156	L _{A236}	L _{B2}
2157	L _{A237}	L _{B2}
2158	L _{A238}	L _{B2}
2159	L _{A239}	L _{B2}
2160	L _{A240}	L _{B2}
2161	L _{A241}	L _{B2}
2162	L _{A242}	L _{B2}
2163	L _{A243}	L _{B2}
2164	L _{A244}	L _{B2}
2165	L _{A245}	L _{B2}
2166	L _{A246}	L _{B2}
2167	L _{A247}	L _{B2}
2168	L _{A248}	L _{B2}
2169	L _{A249}	L _{B2}
2170	L _{A250}	L _{B2}
2171	L _{A251}	L _{B2}
2172	L _{A252}	L _{B2}
2173	L _{A253}	L _{B2}
2174	L _{A254}	L _{B2}
2175	L _{A255}	L _{B2}
2176	L _{A256}	L _{B2}
2177	L _{A257}	L _{B2}
2178	L _{A258}	L _{B2}
2179	L _{A259}	L _{B2}
2180	L _{A260}	L _{B2}
2181	L _{A261}	L _{B2}
2182	L _{A262}	L _{B2}
2183	L _{A263}	L _{B2}
2184	L _{A264}	L _{B2}
2185	L _{A265}	L _{B2}
2186	L _{A266}	L _{B2}
2187	L _{A267}	L _{B2}
2188	L _{A268}	L _{B2}
2189	L _{A269}	L _{B2}
2190	L _{A270}	L _{B2}
2191	L _{A271}	L _{B2}
2192	L _{A272}	L _{B2}
2193	L _{A273}	L _{B2}
2194	L _{A274}	L _{B2}
2195	L _{A275}	L _{B2}
2196	L _{A276}	L _{B2}
2197	L _{A277}	L _{B2}
2198	L _{A278}	L _{B2}
2199	L _{A279}	L _{B2}
2200	L _{A280}	L _{B2}
2201	L _{A281}	L _{B2}
2202	L _{A282}	L _{B2}
2203	L _{A283}	L _{B2}
2204	L _{A284}	L _{B2}
2205	L _{A285}	L _{B2}
2206	L _{A286}	L _{B2}
2207	L _{A287}	L _{B2}
2208	L _{A288}	L _{B2}
2209	L _{A289}	L _{B2}
2210	L _{A290}	L _{B2}
2211	L _{A291}	L _{B2}
2212	L _{A292}	L _{B2}
2213	L _{A293}	L _{B2}
2214	L _{A294}	L _{B2}
2215	L _{A295}	L _{B2}

-continued

Compound Number	L _A	L _B
2216	L _{A296}	L _{B2}
2217	L _{A297}	L _{B2}
2218	L _{A298}	L _{B2}
2219	L _{A299}	L _{B2}
2220	L _{A300}	L _{B2}
2221	L _{A301}	L _{B2}
2222	L _{A302}	L _{B2}
2223	L _{A303}	L _{B2}
2224	L _{A304}	L _{B2}
2225	L _{A305}	L _{B2}
2226	L _{A306}	L _{B2}
2227	L _{A307}	L _{B2}
2228	L _{A308}	L _{B2}
2229	L _{A309}	L _{B2}
2230	L _{A310}	L _{B2}
2231	L _{A311}	L _{B2}
2232	L _{A312}	L _{B2}
2233	L _{A313}	L _{B2}
2234	L _{A314}	L _{B2}
2235	L _{A315}	L _{B2}
2236	L _{A316}	L _{B2}
2237	L _{A317}	L _{B2}
2238	L _{A318}	L _{B2}
2239	L _{A319}	L _{B2}
2240	L _{A320}	L _{B2}
2241	L _{A321}	L _{B2}
2242	L _{A322}	L _{B2}
2243	L _{A323}	L _{B2}
2244	L _{A324}	L _{B2}
2245	L _{A325}	L _{B2}
2246	L _{A326}	L _{B2}
2247	L _{A327}	L _{B2}
2248	L _{A328}	L _{B2}
2249	L _{A329}	L _{B2}
2250	L _{A330}	L _{B2}
2251	L _{A331}	L _{B2}
2252	L _{A332}	L _{B2}
2253	L _{A333}	L _{B2}
2254	L _{A334}	L _{B2}
2255	L _{A335}	L _{B2}
2256	L _{A336}	L _{B2}
2257	L _{A337}	L _{B2}
2258	L _{A338}	L _{B2}
2259	L _{A339}	L _{B2}
2260	L _{A340}	L _{B2}
2261	L _{A341}	L _{B2}
2262	L _{A342}	L _{B2}
2263	L _{A343}	L _{B2}
2264	L _{A344}	L _{B2}
2265	L _{A345}	L _{B2}
2266	L _{A346}	L _{B2}
2267	L _{A347}	L _{B2}
2268	L _{A348}	L _{B2}
2269	L _{A349}	L _{B2}
2270	L _{A350}	L _{B2}
2271	L _{A351}	L _{B2}
2272	L _{A352}	L _{B2}
2273	L _{A353}	L _{B2}
2274	L _{A354}	L _{B2}
2275	L _{A355}	L _{B2}
2276	L _{A356}	L _{B2}
2277	L _{A357}	L _{B2}
2278	L _{A358}	L _{B2}
2279	L _{A359}	L _{B2}
2280	L _{A360}	L _{B2}
2281	L _{A361}	L _{B2}
2282	L _{A362}	L _{B2}
2283	L _{A363}	L _{B2}
2284	L _{A364}	L _{B2}
2285	L _{A365}	L _{B2}
2286	L _{A366}	L _{B2}
2287	L _{A367}	L _{B2}
2288	L _{A368}	L _{B2}

-continued

Compound Number	L _A	L _B
2289	L _{A369}	L _{B2}
2290	L _{A370}	L _{B2}
2291	L _{A371}	L _{B2}
2292	L _{A372}	L _{B2}
2293	L _{A373}	L _{B2}
2294	L _{A374}	L _{B2}
2295	L _{A375}	L _{B2}
2296	L _{A376}	L _{B2}
2297	L _{A377}	L _{B2}
2298	L _{A378}	L _{B2}
2299	L _{A379}	L _{B2}
2300	L _{A380}	L _{B2}
2301	L _{A381}	L _{B2}
2302	L _{A382}	L _{B2}
2303	L _{A383}	L _{B2}
2304	L _{A384}	L _{B2}
2305	L _{A385}	L _{B2}
2306	L _{A386}	L _{B2}
2307	L _{A387}	L _{B2}
2308	L _{A388}	L _{B2}
2309	L _{A389}	L _{B2}
2310	L _{A390}	L _{B2}
2311	L _{A391}	L _{B2}
2312	L _{A392}	L _{B2}
2313	L _{A393}	L _{B2}
2314	L _{A394}	L _{B2}
2315	L _{A395}	L _{B2}
2316	L _{A396}	L _{B2}
2317	L _{A397}	L _{B2}
2318	L _{A398}	L _{B2}
2319	L _{A399}	L _{B2}
2320	L _{A400}	L _{B2}
2321	L _{A401}	L _{B2}
2322	L _{A402}	L _{B2}
2323	L _{A403}	L _{B2}
2324	L _{A404}	L _{B2}
2325	L _{A405}	L _{B2}
2326	L _{A406}	L _{B2}
2327	L _{A407}	L _{B2}
2328	L _{A408}	L _{B2}
2329	L _{A409}	L _{B2}
2330	L _{A410}	L _{B2}
2331	L _{A411}	L _{B2}
2332	L _{A412}	L _{B2}
2333	L _{A413}	L _{B2}
2334	L _{A414}	L _{B2}
2335	L _{A415}	L _{B2}
2336	L _{A416}	L _{B2}
2337	L _{A417}	L _{B2}
2338	L _{A418}	L _{B2}
2339	L _{A419}	L _{B2}
2340	L _{A420}	L _{B2}
2341	L _{A421}	L _{B2}
2342	L _{A422}	L _{B2}
2343	L _{A423}	L _{B2}
2344	L _{A424}	L _{B2}
2345	L _{A425}	L _{B2}
2346	L _{A426}	L _{B2}
2347	L _{A427}	L _{B2}
2348	L _{A428}	L _{B2}
2349	L _{A429}	L _{B2}
2350	L _{A430}	L _{B2}
2351	L _{A431}	L _{B2}
2352	L _{A432}	L _{B2}
2353	L _{A433}	L _{B2}
2354	L _{A434}	L _{B2}
2355	L _{A435}	L _{B2}
2356	L _{A436}	L _{B2}
2357	L _{A437}	L _{B2}
2358	L _{A438}	L _{B2}
2359	L _{A439}	L _{B2}
2360	L _{A440}	L _{B2}
2361	L _{A441}	L _{B2}

-continued

Compound Number	L _A	L _B
2362	L _{A442}	L _{B2}
2363	L _{A443}	L _{B2}
2364	L _{A444}	L _{B2}
2365	L _{A445}	L _{B2}
2366	L _{A446}	L _{B2}
2367	L _{A447}	L _{B2}
2368	L _{A448}	L _{B2}
2369	L _{A449}	L _{B2}
2370	L _{A450}	L _{B2}
2371	L _{A451}	L _{B2}
2372	L _{A452}	L _{B2}
2373	L _{A453}	L _{B2}
2374	L _{A454}	L _{B2}
2375	L _{A455}	L _{B2}
2376	L _{A456}	L _{B2}
2377	L _{A457}	L _{B2}
2378	L _{A458}	L _{B2}
2379	L _{A459}	L _{B2}
2380	L _{A460}	L _{B2}
2381	L _{A461}	L _{B2}
2382	L _{A462}	L _{B2}
2383	L _{A463}	L _{B2}
2384	L _{A464}	L _{B2}
2385	L _{A465}	L _{B2}
2386	L _{A466}	L _{B2}
2387	L _{A467}	L _{B2}
2388	L _{A468}	L _{B2}
2389	L _{A469}	L _{B2}
2390	L _{A470}	L _{B2}
2391	L _{A471}	L _{B2}
2392	L _{A472}	L _{B2}
2393	L _{A473}	L _{B2}
2394	L _{A474}	L _{B2}
2395	L _{A475}	L _{B2}
2396	L _{A476}	L _{B2}
2397	L _{A477}	L _{B2}
2398	L _{A478}	L _{B2}
2399	L _{A479}	L _{B2}
2400	L _{A480}	L _{B2}
2401	L _{A481}	L _{B2}
2402	L _{A482}	L _{B2}
2403	L _{A483}	L _{B2}
2404	L _{A484}	L _{B2}
2405	L _{A485}	L _{B2}
2406	L _{A486}	L _{B2}
2407	L _{A487}	L _{B2}
2408	L _{A488}	L _{B2}
2409	L _{A489}	L _{B2}
2410	L _{A490}	L _{B2}
2411	L _{A491}	L _{B2}
2412	L _{A492}	L _{B2}
2413	L _{A493}	L _{B2}
2414	L _{A494}	L _{B2}
2415	L _{A495}	L _{B2}
2416	L _{A496}	L _{B2}
2417	L _{A497}	L _{B2}
2418	L _{A498}	L _{B2}
2419	L _{A499}	L _{B2}
2420	L _{A500}	L _{B2}
2421	L _{A501}	L _{B2}
2422	L _{A502}	L _{B2}
2423	L _{A503}	L _{B2}
2424	L _{A504}	L _{B2}
2425	L _{A505}	L _{B2}
2426	L _{A506}	L _{B2}
2427	L _{A507}	L _{B2}
2428	L _{A508}	L _{B2}
2429	L _{A509}	L _{B2}
2430	L _{A510}	L _{B2}
2431	L _{A511}	L _{B2}
2432	L _{A512}	L _{B2}
2433	L _{A513}	L _{B2}
2434	L _{A514}	L _{B2}

-continued

Compound Number	L _A	L _B
2435	L _{A515}	L _{B2}
2436	L _{A516}	L _{B2}
2437	L _{A517}	L _{B2}
2438	L _{A518}	L _{B2}
2439	L _{A519}	L _{B2}
2440	L _{A520}	L _{B2}
2441	L _{A521}	L _{B2}
2442	L _{A522}	L _{B2}
2443	L _{A523}	L _{B2}
2444	L _{A524}	L _{B2}
2445	L _{A525}	L _{B2}
2446	L _{A526}	L _{B2}
2447	L _{A527}	L _{B2}
2448	L _{A528}	L _{B2}
2449	L _{A529}	L _{B2}
2450	L _{A530}	L _{B2}
2451	L _{A531}	L _{B2}
2452	L _{A532}	L _{B2}
2453	L _{A533}	L _{B2}
2454	L _{A534}	L _{B2}
2455	L _{A535}	L _{B2}
2456	L _{A536}	L _{B2}
2457	L _{A537}	L _{B2}
2458	L _{A538}	L _{B2}
2459	L _{A539}	L _{B2}
2460	L _{A540}	L _{B2}
2461	L _{A541}	L _{B2}
2462	L _{A542}	L _{B2}
2463	L _{A543}	L _{B2}
2464	L _{A544}	L _{B2}
2465	L _{A545}	L _{B2}
2466	L _{A546}	L _{B2}
2467	L _{A547}	L _{B2}
2468	L _{A548}	L _{B2}
2469	L _{A549}	L _{B2}
2470	L _{A550}	L _{B2}
2471	L _{A551}	L _{B2}
2472	L _{A552}	L _{B2}
2473	L _{A553}	L _{B2}
2474	L _{A554}	L _{B2}
2475	L _{A555}	L _{B2}
2476	L _{A556}	L _{B2}
2477	L _{A557}	L _{B2}
2478	L _{A558}	L _{B2}
2479	L _{A559}	L _{B2}
2480	L _{A560}	L _{B2}
2481	L _{A561}	L _{B2}
2482	L _{A562}	L _{B2}
2483	L _{A563}	L _{B2}
2484	L _{A564}	L _{B2}
2485	L _{A565}	L _{B2}
2486	L _{A566}	L _{B2}
2487	L _{A567}	L _{B2}
2488	L _{A568}	L _{B2}
2489	L _{A569}	L _{B2}
2490	L _{A570}	L _{B2}
2491	L _{A571}	L _{B2}
2492	L _{A572}	L _{B2}
2493	L _{A573}	L _{B2}
2494	L _{A574}	L _{B2}
2495	L _{A575}	L _{B2}
2496	L _{A576}	L _{B2}
2497	L _{A577}	L _{B2}
2498	L _{A578}	L _{B2}
2499	L _{A579}	L _{B2}
2500	L _{A580}	L _{B2}
2501	L _{A581}	L _{B2}
2502	L _{A582}	L _{B2}
2503	L _{A583}	L _{B2}
2504	L _{A584}	L _{B2}
2505	L _{A585}	L _{B2}
2506	L _{A586}	L _{B2}
2507	L _{A587}	L _{B2}

-continued

Compound Number	L _A	L _B
2508	L _{A588}	L _{B2}
2509	L _{A589}	L _{B2}
2510	L _{A590}	L _{B2}
2511	L _{A591}	L _{B2}
2512	L _{A592}	L _{B2}
2513	L _{A593}	L _{B2}
2514	L _{A594}	L _{B2}
2515	L _{A595}	L _{B2}
2516	L _{A596}	L _{B2}
2517	L _{A597}	L _{B2}
2518	L _{A598}	L _{B2}
2519	L _{A599}	L _{B2}
2520	L _{A600}	L _{B2}
2521	L _{A601}	L _{B2}
2522	L _{A602}	L _{B2}
2523	L _{A603}	L _{B2}
2524	L _{A604}	L _{B2}
2525	L _{A605}	L _{B2}
2526	L _{A606}	L _{B2}
2527	L _{A607}	L _{B2}
2528	L _{A608}	L _{B2}
2529	L _{A609}	L _{B2}
2530	L _{A610}	L _{B2}
2531	L _{A611}	L _{B2}
2532	L _{A612}	L _{B2}
2533	L _{A613}	L _{B2}
2534	L _{A614}	L _{B2}
2535	L _{A615}	L _{B2}
2536	L _{A616}	L _{B2}
2537	L _{A617}	L _{B2}
2538	L _{A618}	L _{B2}
2539	L _{A619}	L _{B2}
2540	L _{A620}	L _{B2}
2541	L _{A621}	L _{B2}
2542	L _{A622}	L _{B2}
2543	L _{A623}	L _{B2}
2544	L _{A624}	L _{B2}
2545	L _{A625}	L _{B2}
2546	L _{A626}	L _{B2}
2547	L _{A627}	L _{B2}
2548	L _{A628}	L _{B2}
2549	L _{A629}	L _{B2}
2550	L _{A630}	L _{B2}
2551	L _{A631}	L _{B2}
2552	L _{A632}	L _{B2}
2553	L _{A633}	L _{B2}
2554	L _{A634}	L _{B2}
2555	L _{A635}	L _{B2}
2556	L _{A636}	L _{B2}
2557	L _{A637}	L _{B2}
2558	L _{A638}	L _{B2}
2559	L _{A639}	L _{B2}
2560	L _{A640}	L _{B2}
2561	L _{A641}	L _{B2}
2562	L _{A642}	L _{B2}
2563	L _{A643}	L _{B2}
2564	L _{A644}	L _{B2}
2565	L _{A645}	L _{B2}
2566	L _{A646}	L _{B2}
2567	L _{A647}	L _{B2}
2568	L _{A648}	L _{B2}
2569	L _{A649}	L _{B2}
2570	L _{A650}	L _{B2}
2571	L _{A651}	L _{B2}
2572	L _{A652}	L _{B2}
2573	L _{A653}	L _{B2}
2574	L _{A654}	L _{B2}
2575	L _{A655}	L _{B2}
2576	L _{A656}	L _{B2}
2577	L _{A657}	L _{B2}
2578	L _{A658}	L _{B2}
2579	L _{A659}	L _{B2}
2580	L _{A660}	L _{B2}

-continued

Compound Number	L _A	L _B
2581	L _{A661}	L _{B2}
2582	L _{A662}	L _{B2}
2583	L _{A663}	L _{B2}
2584	L _{A664}	L _{B2}
2585	L _{A665}	L _{B2}
2586	L _{A666}	L _{B2}
2587	L _{A667}	L _{B2}
2588	L _{A668}	L _{B2}
2589	L _{A669}	L _{B2}
2590	L _{A670}	L _{B2}
2591	L _{A671}	L _{B2}
2592	L _{A672}	L _{B2}
2593	L _{A673}	L _{B2}
2594	L _{A674}	L _{B2}
2595	L _{A675}	L _{B2}
2596	L _{A676}	L _{B2}
2597	L _{A677}	L _{B2}
2598	L _{A678}	L _{B2}
2599	L _{A679}	L _{B2}
2600	L _{A680}	L _{B2}
2601	L _{A681}	L _{B2}
2602	L _{A682}	L _{B2}
2603	L _{A683}	L _{B2}
2604	L _{A684}	L _{B2}
2605	L _{A685}	L _{B2}
2606	L _{A686}	L _{B2}
2607	L _{A687}	L _{B2}
2608	L _{A688}	L _{B2}
2609	L _{A689}	L _{B2}
2610	L _{A690}	L _{B2}
2611	L _{A691}	L _{B2}
2612	L _{A692}	L _{B2}
2613	L _{A693}	L _{B2}
2614	L _{A694}	L _{B2}
2615	L _{A695}	L _{B2}
2616	L _{A696}	L _{B2}
2617	L _{A697}	L _{B2}
2618	L _{A698}	L _{B2}
2619	L _{A699}	L _{B2}
2620	L _{A700}	L _{B2}
2621	L _{A701}	L _{B2}
2622	L _{A702}	L _{B2}
2623	L _{A703}	L _{B2}
2624	L _{A704}	L _{B2}
2625	L _{A705}	L _{B2}
2626	L _{A706}	L _{B2}
2627	L _{A707}	L _{B2}
2628	L _{A708}	L _{B2}
2629	L _{A709}	L _{B2}
2630	L _{A710}	L _{B2}
2631	L _{A711}	L _{B2}
2632	L _{A712}	L _{B2}
2633	L _{A713}	L _{B2}
2634	L _{A714}	L _{B2}
2635	L _{A715}	L _{B2}
2636	L _{A716}	L _{B2}
2637	L _{A717}	L _{B2}
2638	L _{A718}	L _{B2}
2639	L _{A719}	L _{B2}
2640	L _{A720}	L _{B2}
2641	L _{A721}	L _{B2}
2642	L _{A722}	L _{B2}
2643	L _{A723}	L _{B2}
2644	L _{A724}	L _{B2}
2645	L _{A725}	L _{B2}
2646	L _{A726}	L _{B2}
2647	L _{A727}	L _{B2}
2648	L _{A728}	L _{B2}
2649	L _{A729}	L _{B2}
2650	L _{A730}	L _{B2}
2651	L _{A731}	L _{B2}
2652	L _{A732}	L _{B2}
2653	L _{A733}	L _{B2}

-continued

Compound Number	L _A	L _B
2654	L _{A734}	L _{B2}
2655	L _{A735}	L _{B2}
2656	L _{A736}	L _{B2}
2657	L _{A737}	L _{B2}
2658	L _{A738}	L _{B2}
2659	L _{A739}	L _{B2}
2660	L _{A740}	L _{B2}
2661	L _{A741}	L _{B2}
2662	L _{A742}	L _{B2}
2663	L _{A743}	L _{B2}
2664	L _{A744}	L _{B2}
2665	L _{A745}	L _{B2}
2666	L _{A746}	L _{B2}
2667	L _{A747}	L _{B2}
2668	L _{A748}	L _{B2}
2669	L _{A749}	L _{B2}
2670	L _{A750}	L _{B2}
2671	L _{A751}	L _{B2}
2672	L _{A752}	L _{B2}
2673	L _{A753}	L _{B2}
2674	L _{A754}	L _{B2}
2675	L _{A755}	L _{B2}
2676	L _{A756}	L _{B2}
2677	L _{A757}	L _{B2}
2678	L _{A758}	L _{B2}
2679	L _{A759}	L _{B2}
2680	L _{A760}	L _{B2}
2681	L _{A761}	L _{B2}
2682	L _{A762}	L _{B2}
2683	L _{A763}	L _{B2}
2684	L _{A764}	L _{B2}
2685	L _{A765}	L _{B2}
2686	L _{A766}	L _{B2}
2687	L _{A767}	L _{B2}
2688	L _{A768}	L _{B2}
2689	L _{A769}	L _{B2}
2690	L _{A770}	L _{B2}
2691	L _{A771}	L _{B2}
2692	L _{A772}	L _{B2}
2693	L _{A773}	L _{B2}
2694	L _{A774}	L _{B2}
2695	L _{A775}	L _{B2}
2696	L _{A776}	L _{B2}
2697	L _{A777}	L _{B2}
2698	L _{A778}	L _{B2}
2699	L _{A779}	L _{B2}
2700	L _{A780}	L _{B2}
2701	L _{A781}	L _{B2}
2702	L _{A782}	L _{B2}
2703	L _{A783}	L _{B2}
2704	L _{A784}	L _{B2}
2705	L _{A785}	L _{B2}
2706	L _{A786}	L _{B2}
2707	L _{A787}	L _{B2}
2708	L _{A788}	L _{B2}
2709	L _{A789}	L _{B2}
2710	L _{A790}	L _{B2}
2711	L _{A791}	L _{B2}
2712	L _{A792}	L _{B2}
2713	L _{A793}	L _{B2}
2714	L _{A794}	L _{B2}
2715	L _{A795}	L _{B2}
2716	L _{A796}	L _{B2}
2717	L _{A797}	L _{B2}
2718	L _{A798}	L _{B2}
2719	L _{A799}	L _{B2}
2720	L _{A800}	L _{B2}
2721	L _{A801}	L _{B2}
2722	L _{A802}	L _{B2}
2723	L _{A803}	L _{B2}
2724	L _{A804}	L _{B2}
2725	L _{A805}	L _{B2}
2726	L _{A806}	L _{B2}

-continued

Compound Number	L _A	L _B
2727	L _{A807}	L _{B2}
2728	L _{A808}	L _{B2}
2729	L _{A809}	L _{B2}
2730	L _{A810}	L _{B2}
2731	L _{A811}	L _{B2}
2732	L _{A812}	L _{B2}
2733	L _{A813}	L _{B2}
2734	L _{A814}	L _{B2}
2735	L _{A815}	L _{B2}
2736	L _{A816}	L _{B2}
2737	L _{A817}	L _{B2}
2738	L _{A818}	L _{B2}
2739	L _{A819}	L _{B2}
2740	L _{A820}	L _{B2}
2741	L _{A821}	L _{B2}
2742	L _{A822}	L _{B2}
2743	L _{A823}	L _{B2}
2744	L _{A824}	L _{B2}
2745	L _{A825}	L _{B2}
2746	L _{A826}	L _{B2}
2747	L _{A827}	L _{B2}
2748	L _{A828}	L _{B2}
2749	L _{A829}	L _{B2}
2750	L _{A830}	L _{B2}
2751	L _{A831}	L _{B2}
2752	L _{A832}	L _{B2}
2753	L _{A833}	L _{B2}
2754	L _{A834}	L _{B2}
2755	L _{A835}	L _{B2}
2756	L _{A836}	L _{B2}
2757	L _{A837}	L _{B2}
2758	L _{A838}	L _{B2}
2759	L _{A839}	L _{B2}
2760	L _{A840}	L _{B2}
2761	L _{A841}	L _{B2}
2762	L _{A842}	L _{B2}
2763	L _{A843}	L _{B2}
2764	L _{A844}	L _{B2}
2765	L _{A845}	L _{B2}
2766	L _{A846}	L _{B2}
2767	L _{A847}	L _{B2}
2768	L _{A848}	L _{B2}
2769	L _{A849}	L _{B2}
2770	L _{A850}	L _{B2}
2771	L _{A851}	L _{B2}
2772	L _{A852}	L _{B2}
2773	L _{A853}	L _{B2}
2774	L _{A854}	L _{B2}
2775	L _{A855}	L _{B2}
2776	L _{A856}	L _{B2}
2777	L _{A857}	L _{B2}
2778	L _{A858}	L _{B2}
2779	L _{A859}	L _{B2}
2780	L _{A860}	L _{B2}
2781	L _{A861}	L _{B2}
2782	L _{A862}	L _{B2}
2783	L _{A863}	L _{B2}
2784	L _{A864}	L _{B2}
2785	L _{A865}	L _{B2}
2786	L _{A866}	L _{B2}
2787	L _{A867}	L _{B2}
2788	L _{A868}	L _{B2}
2789	L _{A869}	L _{B2}
2790	L _{A870}	L _{B2}
2791	L _{A871}	L _{B2}
2792	L _{A872}	L _{B2}
2793	L _{A873}	L _{B2}
2794	L _{A874}	L _{B2}
2795	L _{A875}	L _{B2}
2796	L _{A876}	L _{B2}
2797	L _{A877}	L _{B2}
2798	L _{A878}	L _{B2}
2799	L _{A879}	L _{B2}

-continued

Compound Number	L _A	L _B
2800	L _{A880}	L _{B2}
2801	L _{A881}	L _{B2}
2802	L _{A882}	L _{B2}
2803	L _{A883}	L _{B2}
2804	L _{A884}	L _{B2}
2805	L _{A885}	L _{B2}
2806	L _{A886}	L _{B2}
2807	L _{A887}	L _{B2}
2808	L _{A888}	L _{B2}
2809	L _{A889}	L _{B2}
2810	L _{A890}	L _{B2}
2811	L _{A891}	L _{B2}
2812	L _{A892}	L _{B2}
2813	L _{A893}	L _{B2}
2814	L _{A894}	L _{B2}
2815	L _{A895}	L _{B2}
2816	L _{A896}	L _{B2}
2817	L _{A897}	L _{B2}
2818	L _{A898}	L _{B2}
2819	L _{A899}	L _{B2}
2820	L _{A900}	L _{B2}
2821	L _{A901}	L _{B2}
2822	L _{A902}	L _{B2}
2823	L _{A903}	L _{B2}
2824	L _{A904}	L _{B2}
2825	L _{A905}	L _{B2}
2826	L _{A906}	L _{B2}
2827	L _{A907}	L _{B2}
2828	L _{A908}	L _{B2}
2829	L _{A909}	L _{B2}
2830	L _{A910}	L _{B2}
2831	L _{A911}	L _{B2}
2832	L _{A912}	L _{B2}
2833	L _{A913}	L _{B2}
2834	L _{A914}	L _{B2}
2835	L _{A915}	L _{B2}
2836	L _{A916}	L _{B2}
2837	L _{A917}	L _{B2}
2838	L _{A918}	L _{B2}
2839	L _{A919}	L _{B2}
2840	L _{A920}	L _{B2}
2841	L _{A921}	L _{B2}
2842	L _{A922}	L _{B2}
2843	L _{A923}	L _{B2}
2844	L _{A924}	L _{B2}
2845	L _{A925}	L _{B2}
2846	L _{A926}	L _{B2}
2847	L _{A927}	L _{B2}
2848	L _{A928}	L _{B2}
2849	L _{A929}	L _{B2}
2850	L _{A930}	L _{B2}
2851	L _{A931}	L _{B2}
2852	L _{A932}	L _{B2}
2853	L _{A933}	L _{B2}
2854	L _{A934}	L _{B2}
2855	L _{A935}	L _{B2}
2856	L _{A936}	L _{B2}
2857	L _{A937}	L _{B2}
2858	L _{A938}	L _{B2}
2859	L _{A939}	L _{B2}
2860	L _{A940}	L _{B2}
2861	L _{A941}	L _{B2}
2862	L _{A942}	L _{B2}
2863	L _{A943}	L _{B2}
2864	L _{A944}	L _{B2}
2865	L _{A945}	L _{B2}
2866	L _{A946}	L _{B2}
2867	L _{A947}	L _{B2}
2868	L _{A948}	L _{B2}
2869	L _{A949}	L _{B2}
2870	L _{A950}	L _{B2}
2871	L _{A951}	L _{B2}
2872	L _{A952}	L _{B2}

-continued

Compound Number	L _A	L _B
2873	L _{A953}	L _{B2}
2874	L _{A954}	L _{B2}
2875	L _{A955}	L _{B2}
2876	L _{A956}	L _{B2}
2877	L _{A957}	L _{B2}
2878	L _{A958}	L _{B2}
2879	L _{A959}	L _{B2}
2880	L _{A960}	L _{B2}
2881	L _{A41}	L _{B5}
2882	L _{A42}	L _{B5}
2883	L _{A43}	L _{B5}
2884	L _{A44}	L _{B5}
2885	L _{A45}	L _{B5}
2886	L _{A46}	L _{B5}
2887	L _{A47}	L _{B5}
2888	L _{A48}	L _{B5}
2889	L _{A49}	L _{B5}
2890	L _{A410}	L _{B5}
2891	L _{A411}	L _{B5}
2892	L _{A412}	L _{B5}
2893	L _{A413}	L _{B5}
2894	L _{A414}	L _{B5}
2895	L _{A415}	L _{B5}
2896	L _{A416}	L _{B5}
2897	L _{A417}	L _{B5}
2898	L _{A418}	L _{B5}
2899	L _{A419}	L _{B5}
2900	L _{A420}	L _{B5}
2901	L _{A421}	L _{B5}
2902	L _{A422}	L _{B5}
2903	L _{A423}	L _{B5}
2904	L _{A424}	L _{B5}
2905	L _{A425}	L _{B5}
2906	L _{A426}	L _{B5}
2907	L _{A427}	L _{B5}
2908	L _{A428}	L _{B5}
2909	L _{A429}	L _{B5}
2910	L _{A430}	L _{B5}
2911	L _{A431}	L _{B5}
2912	L _{A432}	L _{B5}
2913	L _{A433}	L _{B5}
2914	L _{A434}	L _{B5}
2915	L _{A435}	L _{B5}
2916	L _{A436}	L _{B5}
2917	L _{A437}	L _{B5}
2918	L _{A438}	L _{B5}
2919	L _{A439}	L _{B5}
2920	L _{A440}	L _{B5}
2921	L _{A441}	L _{B5}
2922	L _{A442}	L _{B5}
2923	L _{A443}	L _{B5}
2924	L _{A444}	L _{B5}
2925	L _{A445}	L _{B5}
2926	L _{A446}	L _{B5}
2927	L _{A447}	L _{B5}
2928	L _{A448}	L _{B5}
2929	L _{A449}	L _{B5}
2930	L _{A450}	L _{B5}
2931	L _{A451}	L _{B5}
2932	L _{A452}	L _{B5}
2933	L _{A453}	L _{B5}
2934	L _{A454}	L _{B5}
2935	L _{A455}	L _{B5}
2936	L _{A456}	L _{B5}
2937	L _{A457}	L _{B5}
2938	L _{A458}	L _{B5}
2939	L _{A459}	L _{B5}
2940	L _{A460}	L _{B5}
2941	L _{A461}	L _{B5}
2942	L _{A462}	L _{B5}
2943	L _{A463}	L _{B5}
2944	L _{A464}	L _{B5}
2945	L _{A465}	L _{B5}

-continued

Compound Number	L _A	L _B
2946	L _{A66}	L _{B5}
2947	L _{A67}	L _{B5}
2948	L _{A68}	L _{B5}
2949	L _{A69}	L _{B5}
2950	L _{A70}	L _{B5}
2951	L _{A71}	L _{B5}
2952	L _{A72}	L _{B5}
2953	L _{A73}	L _{B5}
2954	L _{A74}	L _{B5}
2955	L _{A75}	L _{B5}
2956	L _{A76}	L _{B5}
2957	L _{A77}	L _{B5}
2958	L _{A78}	L _{B5}
2959	L _{A79}	L _{B5}
2960	L _{A80}	L _{B5}
2961	L _{A81}	L _{B5}
2962	L _{A82}	L _{B5}
2963	L _{A83}	L _{B5}
2964	L _{A84}	L _{B5}
2965	L _{A85}	L _{B5}
2966	L _{A86}	L _{B5}
2967	L _{A87}	L _{B5}
2968	L _{A88}	L _{B5}
2969	L _{A89}	L _{B5}
2970	L _{A90}	L _{B5}
2971	L _{A91}	L _{B5}
2972	L _{A92}	L _{B5}
2973	L _{A93}	L _{B5}
2974	L _{A94}	L _{B5}
2975	L _{A95}	L _{B5}
2976	L _{A96}	L _{B5}
2977	L _{A97}	L _{B5}
2978	L _{A98}	L _{B5}
2979	L _{A99}	L _{B5}
2980	L _{A100}	L _{B5}
2981	L _{A101}	L _{B5}
2982	L _{A102}	L _{B5}
2983	L _{A103}	L _{B5}
2984	L _{A104}	L _{B5}
2985	L _{A105}	L _{B5}
2986	L _{A106}	L _{B5}
2987	L _{A107}	L _{B5}
2988	L _{A108}	L _{B5}
2989	L _{A109}	L _{B5}
2990	L _{A110}	L _{B5}
2991	L _{A111}	L _{B5}
2992	L _{A112}	L _{B5}
2993	L _{A113}	L _{B5}
2994	L _{A114}	L _{B5}
2995	L _{A115}	L _{B5}
2996	L _{A116}	L _{B5}
2997	L _{A117}	L _{B5}
2998	L _{A118}	L _{B5}
2999	L _{A119}	L _{B5}
3000	L _{A120}	L _{B5}
3001	L _{A121}	L _{B5}
3002	L _{A122}	L _{B5}
3003	L _{A123}	L _{B5}
3004	L _{A124}	L _{B5}
3005	L _{A125}	L _{B5}
3006	L _{A126}	L _{B5}
3007	L _{A127}	L _{B5}
3008	L _{A128}	L _{B5}
3009	L _{A129}	L _{B5}
3010	L _{A130}	L _{B5}
3011	L _{A131}	L _{B5}
3012	L _{A132}	L _{B5}
3013	L _{A133}	L _{B5}
3014	L _{A134}	L _{B5}
3015	L _{A135}	L _{B5}
3016	L _{A136}	L _{B5}
3017	L _{A137}	L _{B5}
3018	L _{A138}	L _{B5}

-continued

Compound Number	L _A	L _B
3019	L _{A139}	L _{B5}
3020	L _{A140}	L _{B5}
3021	L _{A141}	L _{B5}
3022	L _{A142}	L _{B5}
3023	L _{A143}	L _{B5}
3024	L _{A144}	L _{B5}
3025	L _{A145}	L _{B5}
3026	L _{A146}	L _{B5}
3027	L _{A147}	L _{B5}
3028	L _{A148}	L _{B5}
3029	L _{A149}	L _{B5}
3030	L _{A150}	L _{B5}
3031	L _{A151}	L _{B5}
3032	L _{A152}	L _{B5}
3033	L _{A153}	L _{B5}
3034	L _{A154}	L _{B5}
3035	L _{A155}	L _{B5}
3036	L _{A156}	L _{B5}
3037	L _{A157}	L _{B5}
3038	L _{A158}	L _{B5}
3039	L _{A159}	L _{B5}
3040	L _{A160}	L _{B5}
3041	L _{A161}	L _{B5}
3042	L _{A162}	L _{B5}
3043	L _{A163}	L _{B5}
3044	L _{A164}	L _{B5}
3045	L _{A165}	L _{B5}
3046	L _{A166}	L _{B5}
3047	L _{A167}	L _{B5}
3048	L _{A168}	L _{B5}
3049	L _{A169}	L _{B5}
3050	L _{A170}	L _{B5}
3051	L _{A171}	L _{B5}
3052	L _{A172}	L _{B5}
3053	L _{A173}	L _{B5}
3054	L _{A174}	L _{B5}
3055	L _{A175}	L _{B5}
3056	L _{A176}	L _{B5}
3057	L _{A177}	L _{B5}
3058	L _{A178}	L _{B5}
3059	L _{A179}	L _{B5}
3060	L _{A180}	L _{B5}
3061	L _{A181}	L _{B5}
3062	L _{A182}	L _{B5}
3063	L _{A183}	L _{B5}
3064	L _{A184}	L _{B5}
3065	L _{A185}	L _{B5}
3066	L _{A186}	L _{B5}
3067	L _{A187}	L _{B5}
3068	L _{A188}	L _{B5}
3069	L _{A189}	L _{B5}
3070	L _{A190}	L _{B5}
3071	L _{A191}	L _{B5}
3072	L _{A192}	L _{B5}
3073	L _{A193}	L _{B5}
3074	L _{A194}	L _{B5}
3075	L _{A195}	L _{B5}
3076	L _{A196}	L _{B5}
3077	L _{A197}	L _{B5}
3078	L _{A198}	L _{B5}
3079	L _{A199}	L _{B5}
3080	L _{A200}	L _{B5}
3081	L _{A201}	L _{B5}
3082	L _{A202}	L _{B5}
3083	L _{A203}	L _{B5}
3084	L _{A204}	L _{B5}
3085	L _{A205}	L _{B5}
3086	L _{A206}	L _{B5}
3087	L _{A207}	L _{B5}
3088	L _{A208}	L _{B5}
3089	L _{A209}	L _{B5}
3090	L _{A210}	L _{B5}
3091	L _{A211}	L _{B5}

-continued

Compound Number	L _A	L _B
3092	L _{A212}	L _{B5}
3093	L _{A213}	L _{B5}
3094	L _{A214}	L _{B5}
3095	L _{A215}	L _{B5}
3096	L _{A216}	L _{B5}
3097	L _{A217}	L _{B5}
3098	L _{A218}	L _{B5}
3099	L _{A219}	L _{B5}
3100	L _{A220}	L _{B5}
3101	L _{A221}	L _{B5}
3102	L _{A222}	L _{B5}
3103	L _{A223}	L _{B5}
3104	L _{A224}	L _{B5}
3105	L _{A225}	L _{B5}
3106	L _{A226}	L _{B5}
3107	L _{A227}	L _{B5}
3108	L _{A228}	L _{B5}
3109	L _{A229}	L _{B5}
3110	L _{A230}	L _{B5}
3111	L _{A231}	L _{B5}
3112	L _{A232}	L _{B5}
3113	L _{A233}	L _{B5}
3114	L _{A234}	L _{B5}
3115	L _{A235}	L _{B5}
3116	L _{A236}	L _{B5}
3117	L _{A237}	L _{B5}
3118	L _{A238}	L _{B5}
3119	L _{A239}	L _{B5}
3120	L _{A240}	L _{B5}
3121	L _{A241}	L _{B5}
3122	L _{A242}	L _{B5}
3123	L _{A243}	L _{B5}
3124	L _{A244}	L _{B5}
3125	L _{A245}	L _{B5}
3126	L _{A246}	L _{B5}
3127	L _{A247}	L _{B5}
3128	L _{A248}	L _{B5}
3129	L _{A249}	L _{B5}
3130	L _{A250}	L _{B5}
3131	L _{A251}	L _{B5}
3132	L _{A252}	L _{B5}
3133	L _{A253}	L _{B5}
3134	L _{A254}	L _{B5}
3135	L _{A255}	L _{B5}
3136	L _{A256}	L _{B5}
3137	L _{A257}	L _{B5}
3138	L _{A258}	L _{B5}
3139	L _{A259}	L _{B5}
3140	L _{A260}	L _{B5}
3141	L _{A261}	L _{B5}
3142	L _{A262}	L _{B5}
3143	L _{A263}	L _{B5}
3144	L _{A264}	L _{B5}
3145	L _{A265}	L _{B5}
3146	L _{A266}	L _{B5}
3147	L _{A267}	L _{B5}
3148	L _{A268}	L _{B5}
3149	L _{A269}	L _{B5}
3150	L _{A270}	L _{B5}
3151	L _{A271}	L _{B5}
3152	L _{A272}	L _{B5}
3153	L _{A273}	L _{B5}
3154	L _{A274}	L _{B5}
3155	L _{A275}	L _{B5}
3156	L _{A276}	L _{B5}
3157	L _{A277}	L _{B5}
3158	L _{A278}	L _{B5}
3159	L _{A279}	L _{B5}
3160	L _{A280}	L _{B5}
3161	L _{A281}	L _{B5}
3162	L _{A282}	L _{B5}
3163	L _{A283}	L _{B5}
3164	L _{A284}	L _{B5}

-continued

Compound Number	L _A	L _B
3165	L _{A285}	L _{B5}
3166	L _{A286}	L _{B5}
3167	L _{A287}	L _{B5}
3168	L _{A288}	L _{B5}
3169	L _{A289}	L _{B5}
3170	L _{A290}	L _{B5}
3171	L _{A291}	L _{B5}
3172	L _{A292}	L _{B5}
3173	L _{A293}	L _{B5}
3174	L _{A294}	L _{B5}
3175	L _{A295}	L _{B5}
3176	L _{A296}	L _{B5}
3177	L _{A297}	L _{B5}
3178	L _{A298}	L _{B5}
3179	L _{A299}	L _{B5}
3180	L _{A300}	L _{B5}
3181	L _{A301}	L _{B5}
3182	L _{A302}	L _{B5}
3183	L _{A303}	L _{B5}
3184	L _{A304}	L _{B5}
3185	L _{A305}	L _{B5}
3186	L _{A306}	L _{B5}
3187	L _{A307}	L _{B5}
3188	L _{A308}	L _{B5}
3189	L _{A309}	L _{B5}
3190	L _{A310}	L _{B5}
3191	L _{A311}	L _{B5}
3192	L _{A312}	L _{B5}
3193	L _{A313}	L _{B5}
3194	L _{A314}	L _{B5}
3195	L _{A315}	L _{B5}
3196	L _{A316}	L _{B5}
3197	L _{A317}	L _{B5}
3198	L _{A318}	L _{B5}
3199	L _{A319}	L _{B5}
3200	L _{A320}	L _{B5}
3201	L _{A321}	L _{B5}
3202	L _{A322}	L _{B5}
3203	L _{A323}	L _{B5}
3204	L _{A324}	L _{B5}
3205	L _{A325}	L _{B5}
3206	L _{A326}	L _{B5}
3207	L _{A327}	L _{B5}
3208	L _{A328}	L _{B5}
3209	L _{A329}	L _{B5}
3210	L _{A330}	L _{B5}
3211	L _{A331}	L _{B5}
3212	L _{A332}	L _{B5}
3213	L _{A333}	L _{B5}
3214	L _{A334}	L _{B5}
3215	L _{A335}	L _{B5}
3216	L _{A336}	L _{B5}
3217	L _{A337}	L _{B5}
3218	L _{A338}	L _{B5}
3219	L _{A339}	L _{B5}
3220	L _{A340}	L _{B5}
3221	L _{A341}	L _{B5}
3222	L _{A342}	L _{B5}
3223	L _{A343}	L _{B5}
3224	L _{A344}	L _{B5}
3225	L _{A345}	L _{B5}
3226	L _{A346}	L _{B5}
3227	L _{A347}	L _{B5}
3228	L _{A348}	L _{B5}
3229	L _{A349}	L _{B5}
3230	L _{A350}	L _{B5}
3231	L _{A351}	L _{B5}
3232	L _{A352}	L _{B5}
3233	L _{A353}	L _{B5}
3234	L _{A354}	L _{B5}
3235	L _{A355}	L _{B5}
3236	L _{A356}	L _{B5}
3237	L _{A357}	L _{B5}

-continued

Compound Number	L _A	L _B
3238	L _{A358}	L _{B5}
3239	L _{A359}	L _{B5}
3240	L _{A360}	L _{B5}
3241	L _{A361}	L _{B5}
3242	L _{A362}	L _{B5}
3243	L _{A363}	L _{B5}
3244	L _{A364}	L _{B5}
3245	L _{A365}	L _{B5}
3246	L _{A366}	L _{B5}
3247	L _{A367}	L _{B5}
3248	L _{A368}	L _{B5}
3249	L _{A369}	L _{B5}
3250	L _{A370}	L _{B5}
3251	L _{A371}	L _{B5}
3252	L _{A372}	L _{B5}
3253	L _{A373}	L _{B5}
3254	L _{A374}	L _{B5}
3255	L _{A375}	L _{B5}
3256	L _{A376}	L _{B5}
3257	L _{A377}	L _{B5}
3258	L _{A378}	L _{B5}
3259	L _{A379}	L _{B5}
3260	L _{A380}	L _{B5}
3261	L _{A381}	L _{B5}
3262	L _{A382}	L _{B5}
3263	L _{A383}	L _{B5}
3264	L _{A384}	L _{B5}
3265	L _{A385}	L _{B5}
3266	L _{A386}	L _{B5}
3267	L _{A387}	L _{B5}
3268	L _{A388}	L _{B5}
3269	L _{A389}	L _{B5}
3270	L _{A390}	L _{B5}
3271	L _{A391}	L _{B5}
3272	L _{A392}	L _{B5}
3273	L _{A393}	L _{B5}
3274	L _{A394}	L _{B5}
3275	L _{A395}	L _{B5}
3276	L _{A396}	L _{B5}
3277	L _{A397}	L _{B5}
3278	L _{A398}	L _{B5}
3279	L _{A399}	L _{B5}
3280	L _{A400}	L _{B5}
3281	L _{A401}	L _{B5}
3282	L _{A402}	L _{B5}
3283	L _{A403}	L _{B5}
3284	L _{A404}	L _{B5}
3285	L _{A405}	L _{B5}
3286	L _{A406}	L _{B5}
3287	L _{A407}	L _{B5}
3288	L _{A408}	L _{B5}
3289	L _{A409}	L _{B5}
3290	L _{A410}	L _{B5}
3291	L _{A411}	L _{B5}
3292	L _{A412}	L _{B5}
3293	L _{A413}	L _{B5}
3294	L _{A414}	L _{B5}
3295	L _{A415}	L _{B5}
3296	L _{A416}	L _{B5}
3297	L _{A417}	L _{B5}
3298	L _{A418}	L _{B5}
3299	L _{A419}	L _{B5}
3300	L _{A420}	L _{B5}
3301	L _{A421}	L _{B5}
3302	L _{A422}	L _{B5}
3303	L _{A423}	L _{B5}
3304	L _{A424}	L _{B5}
3305	L _{A425}	L _{B5}
3306	L _{A426}	L _{B5}
3307	L _{A427}	L _{B5}
3308	L _{A428}	L _{B5}
3309	L _{A429}	L _{B5}
3310	L _{A430}	L _{B5}

-continued

Compound Number	L _A	L _B
3311	L _{A431}	L _{B5}
3312	L _{A432}	L _{B5}
3313	L _{A433}	L _{B5}
3314	L _{A434}	L _{B5}
3315	L _{A435}	L _{B5}
3316	L _{A436}	L _{B5}
3317	L _{A437}	L _{B5}
3318	L _{A438}	L _{B5}
3319	L _{A439}	L _{B5}
3320	L _{A440}	L _{B5}
3321	L _{A441}	L _{B5}
3322	L _{A442}	L _{B5}
3323	L _{A443}	L _{B5}
3324	L _{A444}	L _{B5}
3325	L _{A445}	L _{B5}
3326	L _{A446}	L _{B5}
3327	L _{A447}	L _{B5}
3328	L _{A448}	L _{B5}
3329	L _{A449}	L _{B5}
3330	L _{A450}	L _{B5}
3331	L _{A451}	L _{B5}
3332	L _{A452}	L _{B5}
3333	L _{A453}	L _{B5}
3334	L _{A454}	L _{B5}
3335	L _{A455}	L _{B5}
3336	L _{A456}	L _{B5}
3337	L _{A457}	L _{B5}
3338	L _{A458}	L _{B5}
3339	L _{A459}	L _{B5}
3340	L _{A460}	L _{B5}
3341	L _{A461}	L _{B5}
3342	L _{A462}	L _{B5}
3343	L _{A463}	L _{B5}
3344	L _{A464}	L _{B5}
3345	L _{A465}	L _{B5}
3346	L _{A466}	L _{B5}
3347	L _{A467}	L _{B5}
3348	L _{A468}	L _{B5}
3349	L _{A469}	L _{B5}
3350	L _{A470}	L _{B5}
3351	L _{A471}	L _{B5}
3352	L _{A472}	L _{B5}
3353	L _{A473}	L _{B5}
3354	L _{A474}	L _{B5}
3355	L _{A475}	L _{B5}
3356	L _{A476}	L _{B5}
3357	L _{A477}	L _{B5}
3358	L _{A478}	L _{B5}
3359	L _{A479}	L _{B5}
3360	L _{A480}	L _{B5}
3361	L _{A481}	L _{B5}
3362	L _{A482}	L _{B5}
3363	L _{A483}	L _{B5}
3364	L _{A484}	L _{B5}
3365	L _{A485}	L _{B5}
3366	L _{A486}	L _{B5}
3367	L _{A487}	L _{B5}
3368	L _{A488}	L _{B5}
3369	L _{A489}	L _{B5}
3370	L _{A490}	L _{B5}
3371	L _{A491}	L _{B5}
3372	L _{A492}	L _{B5}
3373	L _{A493}	L _{B5}
3374	L _{A494}	L _{B5}
3375	L _{A495}	L _{B5}
3376	L _{A496}	L _{B5}
3377	L _{A497}	L _{B5}
3378	L _{A498}	L _{B5}
3379	L _{A499}	L _{B5}
3380	L _{A500}	L _{B5}
3381	L _{A501}	L _{B5}
3382	L _{A502}	L _{B5}
3383	L _{A503}	L _{B5}

-continued

Compound Number	L _A	L _B
3384	L ₄₅₀₄	L _{B5}
3385	L ₄₅₀₅	L _{B5}
3386	L ₄₅₀₆	L _{B5}
3387	L ₄₅₀₇	L _{B5}
3388	L ₄₅₀₈	L _{B5}
3389	L ₄₅₀₉	L _{B5}
3390	L ₄₅₁₀	L _{B5}
3391	L ₄₅₁₁	L _{B5}
3392	L ₄₅₁₂	L _{B5}
3393	L ₄₅₁₃	L _{B5}
3394	L ₄₅₁₄	L _{B5}
3395	L ₄₅₁₅	L _{B5}
3396	L ₄₅₁₆	L _{B5}
3397	L ₄₅₁₇	L _{B5}
3398	L ₄₅₁₈	L _{B5}
3399	L ₄₅₁₉	L _{B5}
3400	L ₄₅₂₀	L _{B5}
3401	L ₄₅₂₁	L _{B5}
3402	L ₄₅₂₂	L _{B5}
3403	L ₄₅₂₃	L _{B5}
3404	L ₄₅₂₄	L _{B5}
3405	L ₄₅₂₅	L _{B5}
3406	L ₄₅₂₆	L _{B5}
3407	L ₄₅₂₇	L _{B5}
3408	L ₄₅₂₈	L _{B5}
3409	L ₄₅₂₉	L _{B5}
3410	L ₄₅₃₀	L _{B5}
3411	L ₄₅₃₁	L _{B5}
3412	L ₄₅₃₂	L _{B5}
3413	L ₄₅₃₃	L _{B5}
3414	L ₄₅₃₄	L _{B5}
3415	L ₄₅₃₅	L _{B5}
3416	L ₄₅₃₆	L _{B5}
3417	L ₄₅₃₇	L _{B5}
3418	L ₄₅₃₈	L _{B5}
3419	L ₄₅₃₉	L _{B5}
3420	L ₄₅₄₀	L _{B5}
3421	L ₄₅₄₁	L _{B5}
3422	L ₄₅₄₂	L _{B5}
3423	L ₄₅₄₃	L _{B5}
3424	L ₄₅₄₄	L _{B5}
3425	L ₄₅₄₅	L _{B5}
3426	L ₄₅₄₆	L _{B5}
3427	L ₄₅₄₇	L _{B5}
3428	L ₄₅₄₈	L _{B5}
3429	L ₄₅₄₉	L _{B5}
3430	L ₄₅₅₀	L _{B5}
3431	L ₄₅₅₁	L _{B5}
3432	L ₄₅₅₂	L _{B5}
3433	L ₄₅₅₃	L _{B5}
3434	L ₄₅₅₄	L _{B5}
3435	L ₄₅₅₅	L _{B5}
3436	L ₄₅₅₆	L _{B5}
3437	L ₄₅₅₇	L _{B5}
3438	L ₄₅₅₈	L _{B5}
3439	L ₄₅₅₉	L _{B5}
3440	L ₄₅₆₀	L _{B5}
3441	L ₄₅₆₁	L _{B5}
3442	L ₄₅₆₂	L _{B5}
3443	L ₄₅₆₃	L _{B5}
3444	L ₄₅₆₄	L _{B5}
3445	L ₄₅₆₅	L _{B5}
3446	L ₄₅₆₆	L _{B5}
3447	L ₄₅₆₇	L _{B5}
3448	L ₄₅₆₈	L _{B5}
3449	L ₄₅₆₉	L _{B5}
3450	L ₄₅₇₀	L _{B5}
3451	L ₄₅₇₁	L _{B5}
3452	L ₄₅₇₂	L _{B5}
3453	L ₄₅₇₃	L _{B5}
3454	L ₄₅₇₄	L _{B5}
3455	L ₄₅₇₅	L _{B5}
3456	L ₄₅₇₆	L _{B5}

-continued

Compound Number	L _A	L _B
3457	L ₄₅₇₇	L _{B5}
3458	L ₄₅₇₈	L _{B5}
3459	L ₄₅₇₉	L _{B5}
3460	L ₄₅₈₀	L _{B5}
3461	L ₄₅₈₁	L _{B5}
3462	L ₄₅₈₂	L _{B5}
3463	L ₄₅₈₃	L _{B5}
3464	L ₄₅₈₄	L _{B5}
3465	L ₄₅₈₅	L _{B5}
3466	L ₄₅₈₆	L _{B5}
3467	L ₄₅₈₇	L _{B5}
3468	L ₄₅₈₈	L _{B5}
3469	L ₄₅₈₉	L _{B5}
3470	L ₄₅₉₀	L _{B5}
3471	L ₄₅₉₁	L _{B5}
3472	L ₄₅₉₂	L _{B5}
3473	L ₄₅₉₃	L _{B5}
3474	L ₄₅₉₄	L _{B5}
3475	L ₄₅₉₅	L _{B5}
3476	L ₄₅₉₆	L _{B5}
3477	L ₄₅₉₇	L _{B5}
3478	L ₄₅₉₈	L _{B5}
3479	L ₄₅₉₉	L _{B5}
3480	L ₄₆₀₀	L _{B5}
3481	L ₄₆₀₁	L _{B5}
3482	L ₄₆₀₂	L _{B5}
3483	L ₄₆₀₃	L _{B5}
3484	L ₄₆₀₄	L _{B5}
3485	L ₄₆₀₅	L _{B5}
3486	L ₄₆₀₆	L _{B5}
3487	L ₄₆₀₇	L _{B5}
3488	L ₄₆₀₈	L _{B5}
3489	L ₄₆₀₉	L _{B5}
3490	L ₄₆₁₀	L _{B5}
3491	L ₄₆₁₁	L _{B5}
3492	L ₄₆₁₂	L _{B5}
3493	L ₄₆₁₃	L _{B5}
3494	L ₄₆₁₄	L _{B5}
3495	L ₄₆₁₅	L _{B5}
3496	L ₄₆₁₆	L _{B5}
3497	L ₄₆₁₇	L _{B5}
3498	L ₄₆₁₈	L _{B5}
3499	L ₄₆₁₉	L _{B5}
3500	L ₄₆₂₀	L _{B5}
3501	L ₄₆₂₁	L _{B5}
3502	L ₄₆₂₂	L _{B5}
3503	L ₄₆₂₃	L _{B5}
3504	L ₄₆₂₄	L _{B5}
3505	L ₄₆₂₅	L _{B5}
3506	L ₄₆₂₆	L _{B5}
3507	L ₄₆₂₇	L _{B5}
3508	L ₄₆₂₈	L _{B5}
3509	L ₄₆₂₉	L _{B5}
3510	L ₄₆₃₀	L _{B5}
3511	L ₄₆₃₁	L _{B5}
3512	L ₄₆₃₂	L _{B5}
3513	L ₄₆₃₃	L _{B5}
3514	L ₄₆₃₄	L _{B5}
3515	L ₄₆₃₅	L _{B5}
3516	L ₄₆₃₆	L _{B5}
3517	L ₄₆₃₇	L _{B5}
3518	L ₄₆₃₈	L _{B5}
3519	L ₄₆₃₉	L _{B5}
3520	L ₄₆₄₀	L _{B5}
3521	L ₄₆₄₁	L _{B5}
3522	L ₄₆₄₂	L _{B5}
3523	L ₄₆₄₃	L _{B5}
3524	L ₄₆₄₄	L _{B5}
3525	L ₄₆₄₅	L _{B5}
3526	L ₄₆₄₆	L _{B5}
3527	L ₄₆₄₇	L _{B5}
3528	L ₄₆₄₈	L _{B5}
3529	L ₄₆₄₉	L _{B5}

-continued

Compound Number	L _A	L _B
3530	L _{A650}	L _{B5}
3531	L _{A651}	L _{B5}
3532	L _{A652}	L _{B5}
3533	L _{A653}	L _{B5}
3534	L _{A654}	L _{B5}
3535	L _{A655}	L _{B5}
3536	L _{A656}	L _{B5}
3537	L _{A657}	L _{B5}
3538	L _{A658}	L _{B5}
3539	L _{A659}	L _{B5}
3540	L _{A660}	L _{B5}
3541	L _{A661}	L _{B5}
3542	L _{A662}	L _{B5}
3543	L _{A663}	L _{B5}
3544	L _{A664}	L _{B5}
3545	L _{A665}	L _{B5}
3546	L _{A666}	L _{B5}
3547	L _{A667}	L _{B5}
3548	L _{A668}	L _{B5}
3549	L _{A669}	L _{B5}
3550	L _{A670}	L _{B5}
3551	L _{A671}	L _{B5}
3552	L _{A672}	L _{B5}
3553	L _{A673}	L _{B5}
3554	L _{A674}	L _{B5}
3555	L _{A675}	L _{B5}
3556	L _{A676}	L _{B5}
3557	L _{A677}	L _{B5}
3558	L _{A678}	L _{B5}
3559	L _{A679}	L _{B5}
3560	L _{A680}	L _{B5}
3561	L _{A681}	L _{B5}
3562	L _{A682}	L _{B5}
3563	L _{A683}	L _{B5}
3564	L _{A684}	L _{B5}
3565	L _{A685}	L _{B5}
3566	L _{A686}	L _{B5}
3567	L _{A687}	L _{B5}
3568	L _{A688}	L _{B5}
3569	L _{A689}	L _{B5}
3570	L _{A690}	L _{B5}
3571	L _{A691}	L _{B5}
3572	L _{A692}	L _{B5}
3573	L _{A693}	L _{B5}
3574	L _{A694}	L _{B5}
3575	L _{A695}	L _{B5}
3576	L _{A696}	L _{B5}
3577	L _{A697}	L _{B5}
3578	L _{A698}	L _{B5}
3579	L _{A699}	L _{B5}
3580	L _{A700}	L _{B5}
3581	L _{A701}	L _{B5}
3582	L _{A702}	L _{B5}
3583	L _{A703}	L _{B5}
3584	L _{A704}	L _{B5}
3585	L _{A705}	L _{B5}
3586	L _{A706}	L _{B5}
3587	L _{A707}	L _{B5}
3588	L _{A708}	L _{B5}
3589	L _{A709}	L _{B5}
3590	L _{A710}	L _{B5}
3591	L _{A711}	L _{B5}
3592	L _{A712}	L _{B5}
3593	L _{A713}	L _{B5}
3594	L _{A714}	L _{B5}
3595	L _{A715}	L _{B5}
3596	L _{A716}	L _{B5}
3597	L _{A717}	L _{B5}
3598	L _{A718}	L _{B5}
3599	L _{A719}	L _{B5}
3600	L _{A720}	L _{B5}
3601	L _{A721}	L _{B5}
3602	L _{A722}	L _{B5}

-continued

Compound Number	L _A	L _B
3603	L _{A723}	L _{B5}
3604	L _{A724}	L _{B5}
3605	L _{A725}	L _{B5}
3606	L _{A726}	L _{B5}
3607	L _{A727}	L _{B5}
3608	L _{A728}	L _{B5}
3609	L _{A729}	L _{B5}
3610	L _{A730}	L _{B5}
3611	L _{A731}	L _{B5}
3612	L _{A732}	L _{B5}
3613	L _{A733}	L _{B5}
3614	L _{A734}	L _{B5}
3615	L _{A735}	L _{B5}
3616	L _{A736}	L _{B5}
3617	L _{A737}	L _{B5}
3618	L _{A738}	L _{B5}
3619	L _{A739}	L _{B5}
3620	L _{A740}	L _{B5}
3621	L _{A741}	L _{B5}
3622	L _{A742}	L _{B5}
3623	L _{A743}	L _{B5}
3624	L _{A744}	L _{B5}
3625	L _{A745}	L _{B5}
3626	L _{A746}	L _{B5}
3627	L _{A747}	L _{B5}
3628	L _{A748}	L _{B5}
3629	L _{A749}	L _{B5}
3630	L _{A750}	L _{B5}
3631	L _{A751}	L _{B5}
3632	L _{A752}	L _{B5}
3633	L _{A753}	L _{B5}
3634	L _{A754}	L _{B5}
3635	L _{A755}	L _{B5}
3636	L _{A756}	L _{B5}
3637	L _{A757}	L _{B5}
3638	L _{A758}	L _{B5}
3639	L _{A759}	L _{B5}
3640	L _{A760}	L _{B5}
3641	L _{A761}	L _{B5}
3642	L _{A762}	L _{B5}
3643	L _{A763}	L _{B5}
3644	L _{A764}	L _{B5}
3645	L _{A765}	L _{B5}
3646	L _{A766}	L _{B5}
3647	L _{A767}	L _{B5}
3648	L _{A768}	L _{B5}
3649	L _{A769}	L _{B5}
3650	L _{A770}	L _{B5}
3651	L _{A771}	L _{B5}
3652	L _{A772}	L _{B5}
3653	L _{A773}	L _{B5}
3654	L _{A774}	L _{B5}
3655	L _{A775}	L _{B5}
3656	L _{A776}	L _{B5}
3657	L _{A777}	L _{B5}
3658	L _{A778}	L _{B5}
3659	L _{A779}	L _{B5}
3660	L _{A780}	L _{B5}
3661	L _{A781}	L _{B5}
3662	L _{A782}	L _{B5}
3663	L _{A783}	L _{B5}
3664	L _{A784}	L _{B5}
3665	L _{A785}	L _{B5}
3666	L _{A786}	L _{B5}
3667	L _{A787}	L _{B5}
3668	L _{A788}	L _{B5}
3669	L _{A789}	L _{B5}
3670	L _{A790}	L _{B5}
3671	L _{A791}	L _{B5}
3672	L _{A792}	L _{B5}
3673	L _{A793}	L _{B5}
3674	L _{A794}	L _{B5}
3675	L _{A795}	L _{B5}

-continued

Compound Number	L _A	L _B
3676	L _{A796}	L _{B5}
3677	L _{A797}	L _{B5}
3678	L _{A798}	L _{B5}
3679	L _{A799}	L _{B5}
3680	L _{A800}	L _{B5}
3681	L _{A801}	L _{B5}
3682	L _{A802}	L _{B5}
3683	L _{A803}	L _{B5}
3684	L _{A804}	L _{B5}
3685	L _{A805}	L _{B5}
3686	L _{A806}	L _{B5}
3687	L _{A807}	L _{B5}
3688	L _{A808}	L _{B5}
3689	L _{A809}	L _{B5}
3690	L _{A810}	L _{B5}
3691	L _{A811}	L _{B5}
3692	L _{A812}	L _{B5}
3693	L _{A813}	L _{B5}
3694	L _{A814}	L _{B5}
3695	L _{A815}	L _{B5}
3696	L _{A816}	L _{B5}
3697	L _{A817}	L _{B5}
3698	L _{A818}	L _{B5}
3699	L _{A819}	L _{B5}
3700	L _{A820}	L _{B5}
3701	L _{A821}	L _{B5}
3702	L _{A822}	L _{B5}
3703	L _{A823}	L _{B5}
3704	L _{A824}	L _{B5}
3705	L _{A825}	L _{B5}
3706	L _{A826}	L _{B5}
3707	L _{A827}	L _{B5}
3708	L _{A828}	L _{B5}
3709	L _{A829}	L _{B5}
3710	L _{A830}	L _{B5}
3711	L _{A831}	L _{B5}
3712	L _{A832}	L _{B5}
3713	L _{A833}	L _{B5}
3714	L _{A834}	L _{B5}
3715	L _{A835}	L _{B5}
3716	L _{A836}	L _{B5}
3717	L _{A837}	L _{B5}
3718	L _{A838}	L _{B5}
3719	L _{A839}	L _{B5}
3720	L _{A840}	L _{B5}
3721	L _{A841}	L _{B5}
3722	L _{A842}	L _{B5}
3723	L _{A843}	L _{B5}
3724	L _{A844}	L _{B5}
3725	L _{A845}	L _{B5}
3726	L _{A846}	L _{B5}
3727	L _{A847}	L _{B5}
3728	L _{A848}	L _{B5}
3729	L _{A849}	L _{B5}
3730	L _{A850}	L _{B5}
3731	L _{A851}	L _{B5}
3732	L _{A852}	L _{B5}
3733	L _{A853}	L _{B5}
3734	L _{A854}	L _{B5}
3735	L _{A855}	L _{B5}
3736	L _{A856}	L _{B5}
3737	L _{A857}	L _{B5}
3738	L _{A858}	L _{B5}
3739	L _{A859}	L _{B5}
3740	L _{A860}	L _{B5}
3741	L _{A861}	L _{B5}
3742	L _{A862}	L _{B5}
3743	L _{A863}	L _{B5}
3744	L _{A864}	L _{B5}
3745	L _{A865}	L _{B5}
3746	L _{A866}	L _{B5}
3747	L _{A867}	L _{B5}
3748	L _{A868}	L _{B5}

-continued

Compound Number	L _A	L _B
3749	L _{A869}	L _{B5}
3750	L _{A870}	L _{B5}
3751	L _{A871}	L _{B5}
3752	L _{A872}	L _{B5}
3753	L _{A873}	L _{B5}
3754	L _{A874}	L _{B5}
3755	L _{A875}	L _{B5}
3756	L _{A876}	L _{B5}
3757	L _{A877}	L _{B5}
3758	L _{A878}	L _{B5}
3759	L _{A879}	L _{B5}
3760	L _{A880}	L _{B5}
3761	L _{A881}	L _{B5}
3762	L _{A882}	L _{B5}
3763	L _{A883}	L _{B5}
3764	L _{A884}	L _{B5}
3765	L _{A885}	L _{B5}
3766	L _{A886}	L _{B5}
3767	L _{A887}	L _{B5}
3768	L _{A888}	L _{B5}
3769	L _{A889}	L _{B5}
3770	L _{A890}	L _{B5}
3771	L _{A891}	L _{B5}
3772	L _{A892}	L _{B5}
3773	L _{A893}	L _{B5}
3774	L _{A894}	L _{B5}
3775	L _{A895}	L _{B5}
3776	L _{A896}	L _{B5}
3777	L _{A897}	L _{B5}
3778	L _{A898}	L _{B5}
3779	L _{A899}	L _{B5}
3780	L _{A900}	L _{B5}
3781	L _{A901}	L _{B5}
3782	L _{A902}	L _{B5}
3783	L _{A903}	L _{B5}
3784	L _{A904}	L _{B5}
3785	L _{A905}	L _{B5}
3786	L _{A906}	L _{B5}
3787	L _{A907}	L _{B5}
3788	L _{A908}	L _{B5}
3789	L _{A909}	L _{B5}
3790	L _{A910}	L _{B5}
3791	L _{A911}	L _{B5}
3792	L _{A912}	L _{B5}
3793	L _{A913}	L _{B5}
3794	L _{A914}	L _{B5}
3795	L _{A915}	L _{B5}
3796	L _{A916}	L _{B5}
3797	L _{A917}	L _{B5}
3798	L _{A918}	L _{B5}
3799	L _{A919}	L _{B5}
3800	L _{A920}	L _{B5}
3801	L _{A921}	L _{B5}
3802	L _{A922}	L _{B5}
3803	L _{A923}	L _{B5}
3804	L _{A924}	L _{B5}
3805	L _{A925}	L _{B5}
3806	L _{A926}	L _{B5}
3807	L _{A927}	L _{B5}
3808	L _{A928}	L _{B5}
3809	L _{A929}	L _{B5}
3810	L _{A930}	L _{B5}
3811	L _{A931}	L _{B5}
3812	L _{A932}	L _{B5}
3813	L _{A933}	L _{B5}
3814	L _{A934}	L _{B5}
3815	L _{A935}	L _{B5}
3816	L _{A936}	L _{B5}
3817	L _{A937}	L _{B5}
3818	L _{A938}	L _{B5}
3819	L _{A939}	L _{B5}
3820	L _{A940}	L _{B5}
3821	L _{A941}	L _{B5}

-continued

Compound Number	L _A	L _B
3822	L _{A942}	L _{B5}
3823	L _{A943}	L _{B5}
3824	L _{A944}	L _{B5}
3825	L _{A945}	L _{B5}
3826	L _{A946}	L _{B5}
3827	L _{A947}	L _{B5}
3828	L _{A948}	L _{B5}
3829	L _{A949}	L _{B5}
3830	L _{A950}	L _{B5}
3831	L _{A951}	L _{B5}
3832	L _{A952}	L _{B5}
3833	L _{A953}	L _{B5}
3834	L _{A954}	L _{B5}
3835	L _{A955}	L _{B5}
3836	L _{A956}	L _{B5}
3837	L _{A957}	L _{B5}
3838	L _{A958}	L _{B5}
3839	L _{A959}	L _{B5}
3840	L _{A960}	L _{B5}
3841	L _{A1}	L _{B10}
3842	L _{A2}	L _{B10}
3843	L _{A3}	L _{B10}
3844	L _{A4}	L _{B10}
3845	L _{A5}	L _{B10}
3846	L _{A6}	L _{B10}
3847	L _{A7}	L _{B10}
3848	L _{A8}	L _{B10}
3849	L _{A9}	L _{B10}
3850	L _{A10}	L _{B10}
3851	L _{A11}	L _{B10}
3852	L _{A12}	L _{B10}
3853	L _{A13}	L _{B10}
3854	L _{A14}	L _{B10}
3855	L _{A15}	L _{B10}
3856	L _{A16}	L _{B10}
3857	L _{A17}	L _{B10}
3858	L _{A18}	L _{B10}
3859	L _{A19}	L _{B10}
3860	L _{A20}	L _{B10}
3861	L _{A21}	L _{B10}
3862	L _{A22}	L _{B10}
3863	L _{A23}	L _{B10}
3864	L _{A24}	L _{B10}
3865	L _{A25}	L _{B10}
3866	L _{A26}	L _{B10}
3867	L _{A27}	L _{B10}
3868	L _{A28}	L _{B10}
3869	L _{A29}	L _{B10}
3870	L _{A30}	L _{B10}
3871	L _{A31}	L _{B10}
3872	L _{A32}	L _{B10}
3873	L _{A33}	L _{B10}
3874	L _{A34}	L _{B10}
3875	L _{A35}	L _{B10}
3876	L _{A36}	L _{B10}
3877	L _{A37}	L _{B10}
3878	L _{A38}	L _{B10}
3879	L _{A39}	L _{B10}
3880	L _{A40}	L _{B10}
3881	L _{A41}	L _{B10}
3882	L _{A42}	L _{B10}
3883	L _{A43}	L _{B10}
3884	L _{A44}	L _{B10}
3885	L _{A45}	L _{B10}
3886	L _{A46}	L _{B10}
3887	L _{A47}	L _{B10}
3888	L _{A48}	L _{B10}
3889	L _{A49}	L _{B10}
3890	L _{A50}	L _{B10}
3891	L _{A51}	L _{B10}
3892	L _{A52}	L _{B10}
3893	L _{A53}	L _{B10}
3894	L _{A54}	L _{B10}

-continued

Compound Number	L _A	L _B
3895	L _{A55}	L _{B10}
3896	L _{A56}	L _{B10}
3897	L _{A57}	L _{B10}
3898	L _{A58}	L _{B10}
3899	L _{A59}	L _{B10}
3900	L _{A60}	L _{B10}
3901	L _{A61}	L _{B10}
3902	L _{A62}	L _{B10}
3903	L _{A63}	L _{B10}
3904	L _{A64}	L _{B10}
3905	L _{A65}	L _{B10}
3906	L _{A66}	L _{B10}
3907	L _{A67}	L _{B10}
3908	L _{A68}	L _{B10}
3909	L _{A69}	L _{B10}
3910	L _{A70}	L _{B10}
3911	L _{A71}	L _{B10}
3912	L _{A72}	L _{B10}
3913	L _{A73}	L _{B10}
3914	L _{A74}	L _{B10}
3915	L _{A75}	L _{B10}
3916	L _{A76}	L _{B10}
3917	L _{A77}	L _{B10}
3918	L _{A78}	L _{B10}
3919	L _{A79}	L _{B10}
3920	L _{A80}	L _{B10}
3921	L _{A81}	L _{B10}
3922	L _{A82}	L _{B10}
3923	L _{A83}	L _{B10}
3924	L _{A84}	L _{B10}
3925	L _{A85}	L _{B10}
3926	L _{A86}	L _{B10}
3927	L _{A87}	L _{B10}
3928	L _{A88}	L _{B10}
3929	L _{A89}	L _{B10}
3930	L _{A90}	L _{B10}
3931	L _{A91}	L _{B10}
3932	L _{A92}	L _{B10}
3933	L _{A93}	L _{B10}
3934	L _{A94}	L _{B10}
3935	L _{A95}	L _{B10}
3936	L _{A96}	L _{B10}
3937	L _{A97}	L _{B10}
3938	L _{A98}	L _{B10}
3939	L _{A99}	L _{B10}
3940	L _{A100}	L _{B10}
3941	L _{A101}	L _{B10}
3942	L _{A102}	L _{B10}
3943	L _{A103}	L _{B10}
3944	L _{A104}	L _{B10}
3945	L _{A105}	L _{B10}
3946	L _{A106}	L _{B10}
3947	L _{A107}	L _{B10}
3948	L _{A108}	L _{B10}
3949	L _{A109}	L _{B10}
3950	L _{A110}	L _{B10}
3951	L _{A111}	L _{B10}
3952	L _{A112}	L _{B10}
3953	L _{A113}	L _{B10}
3954	L _{A114}	L _{B10}
3955	L _{A115}	L _{B10}
3956	L _{A116}	L _{B10}
3957	L _{A117}	L _{B10}
3958	L _{A118}	L _{B10}
3959	L _{A119}	L _{B10}
3960	L _{A120}	L _{B10}
3961	L _{A121}	L _{B10}
3962	L _{A122}	L _{B10}
3963	L _{A123}	L _{B10}
3964	L _{A124}	L _{B10}
3965	L _{A125}	L _{B10}
3966	L _{A126}	L _{B10}
3967	L _{A127}	L _{B10}

-continued

Compound Number	L _A	L _B
3968	L _{A128}	L _{B10}
3969	L _{A129}	L _{B10}
3970	L _{A130}	L _{B10}
3971	L _{A131}	L _{B10}
3972	L _{A132}	L _{B10}
3973	L _{A133}	L _{B10}
3974	L _{A134}	L _{B10}
3975	L _{A135}	L _{B10}
3976	L _{A136}	L _{B10}
3977	L _{A137}	L _{B10}
3978	L _{A138}	L _{B10}
3979	L _{A139}	L _{B10}
3980	L _{A140}	L _{B10}
3981	L _{A141}	L _{B10}
3982	L _{A142}	L _{B10}
3983	L _{A143}	L _{B10}
3984	L _{A144}	L _{B10}
3985	L _{A145}	L _{B10}
3986	L _{A146}	L _{B10}
3987	L _{A147}	L _{B10}
3988	L _{A148}	L _{B10}
3989	L _{A149}	L _{B10}
3990	L _{A150}	L _{B10}
3991	L _{A151}	L _{B10}
3992	L _{A152}	L _{B10}
3993	L _{A153}	L _{B10}
3994	L _{A154}	L _{B10}
3995	L _{A155}	L _{B10}
3996	L _{A156}	L _{B10}
3997	L _{A157}	L _{B10}
3998	L _{A158}	L _{B10}
3999	L _{A159}	L _{B10}
4000	L _{A160}	L _{B10}
4001	L _{A161}	L _{B10}
4002	L _{A162}	L _{B10}
4003	L _{A163}	L _{B10}
4004	L _{A164}	L _{B10}
4005	L _{A165}	L _{B10}
4006	L _{A166}	L _{B10}
4007	L _{A167}	L _{B10}
4008	L _{A168}	L _{B10}
4009	L _{A169}	L _{B10}
4010	L _{A170}	L _{B10}
4011	L _{A171}	L _{B10}
4012	L _{A172}	L _{B10}
4013	L _{A173}	L _{B10}
4014	L _{A174}	L _{B10}
4015	L _{A175}	L _{B10}
4016	L _{A176}	L _{B10}
4017	L _{A177}	L _{B10}
4018	L _{A178}	L _{B10}
4019	L _{A179}	L _{B10}
4020	L _{A180}	L _{B10}
4021	L _{A181}	L _{B10}
4022	L _{A182}	L _{B10}
4023	L _{A183}	L _{B10}
4024	L _{A184}	L _{B10}
4025	L _{A185}	L _{B10}
4026	L _{A186}	L _{B10}
4027	L _{A187}	L _{B10}
4028	L _{A188}	L _{B10}
4029	L _{A189}	L _{B10}
4030	L _{A190}	L _{B10}
4031	L _{A191}	L _{B10}
4032	L _{A192}	L _{B10}
4033	L _{A193}	L _{B10}
4034	L _{A194}	L _{B10}
4035	L _{A195}	L _{B10}
4036	L _{A196}	L _{B10}
4037	L _{A197}	L _{B10}
4038	L _{A198}	L _{B10}
4039	L _{A199}	L _{B10}
4040	L _{A200}	L _{B10}

-continued

Compound Number	L _A	L _B
4041	L _{A201}	L _{B10}
4042	L _{A202}	L _{B10}
4043	L _{A203}	L _{B10}
4044	L _{A204}	L _{B10}
4045	L _{A205}	L _{B10}
4046	L _{A206}	L _{B10}
4047	L _{A207}	L _{B10}
4048	L _{A208}	L _{B10}
4049	L _{A209}	L _{B10}
4050	L _{A210}	L _{B10}
4051	L _{A211}	L _{B10}
4052	L _{A212}	L _{B10}
4053	L _{A213}	L _{B10}
4054	L _{A214}	L _{B10}
4055	L _{A215}	L _{B10}
4056	L _{A216}	L _{B10}
4057	L _{A217}	L _{B10}
4058	L _{A218}	L _{B10}
4059	L _{A219}	L _{B10}
4060	L _{A220}	L _{B10}
4061	L _{A221}	L _{B10}
4062	L _{A222}	L _{B10}
4063	L _{A223}	L _{B10}
4064	L _{A224}	L _{B10}
4065	L _{A225}	L _{B10}
4066	L _{A226}	L _{B10}
4067	L _{A227}	L _{B10}
4068	L _{A228}	L _{B10}
4069	L _{A229}	L _{B10}
4070	L _{A230}	L _{B10}
4071	L _{A231}	L _{B10}
4072	L _{A232}	L _{B10}
4073	L _{A233}	L _{B10}
4074	L _{A234}	L _{B10}
4075	L _{A235}	L _{B10}
4076	L _{A236}	L _{B10}
4077	L _{A237}	L _{B10}
4078	L _{A238}	L _{B10}
4079	L _{A239}	L _{B10}
4080	L _{A240}	L _{B10}
4081	L _{A241}	L _{B10}
4082	L _{A242}	L _{B10}
4083	L _{A243}	L _{B10}
4084	L _{A244}	L _{B10}
4085	L _{A245}	L _{B10}
4086	L _{A246}	L _{B10}
4087	L _{A247}	L _{B10}
4088	L _{A248}	L _{B10}
4089	L _{A249}	L _{B10}
4090	L _{A250}	L _{B10}
4091	L _{A251}	L _{B10}
4092	L _{A252}	L _{B10}
4093	L _{A253}	L _{B10}
4094	L _{A254}	L _{B10}
4095	L _{A255}	L _{B10}
4096	L _{A256}	L _{B10}
4097	L _{A257}	L _{B10}
4098	L _{A258}	L _{B10}
4099	L _{A259}	L _{B10}
4100	L _{A260}	L _{B10}
4101	L _{A261}	L _{B10}
4102	L _{A262}	L _{B10}
4103	L _{A263}	L _{B10}
4104	L _{A264}	L _{B10}
4105	L _{A265}	L _{B10}
4106	L _{A266}	L _{B10}
4107	L _{A267}	L _{B10}
4108	L _{A268}	L _{B10}
4109	L _{A269}	L _{B10}
4110	L _{A270}	L _{B10}
4111	L _{A271}	L _{B10}
4112	L _{A272}	L _{B10}
4113	L _{A273}	L _{B10}

-continued

Compound Number	L _A	L _B
4114	L _{A274}	L _{B10}
4115	L _{A275}	L _{B10}
4116	L _{A276}	L _{B10}
4117	L _{A277}	L _{B10}
4118	L _{A278}	L _{B10}
4119	L _{A279}	L _{B10}
4120	L _{A280}	L _{B10}
4121	L _{A281}	L _{B10}
4122	L _{A282}	L _{B10}
4123	L _{A283}	L _{B10}
4124	L _{A284}	L _{B10}
4125	L _{A285}	L _{B10}
4126	L _{A286}	L _{B10}
4127	L _{A287}	L _{B10}
4128	L _{A288}	L _{B10}
4129	L _{A289}	L _{B10}
4130	L _{A290}	L _{B10}
4131	L _{A291}	L _{B10}
4132	L _{A292}	L _{B10}
4133	L _{A293}	L _{B10}
4134	L _{A294}	L _{B10}
4135	L _{A295}	L _{B10}
4136	L _{A296}	L _{B10}
4137	L _{A297}	L _{B10}
4138	L _{A298}	L _{B10}
4139	L _{A299}	L _{B10}
4140	L _{A300}	L _{B10}
4141	L _{A301}	L _{B10}
4142	L _{A302}	L _{B10}
4143	L _{A303}	L _{B10}
4144	L _{A304}	L _{B10}
4145	L _{A305}	L _{B10}
4146	L _{A306}	L _{B10}
4147	L _{A307}	L _{B10}
4148	L _{A308}	L _{B10}
4149	L _{A309}	L _{B10}
4150	L _{A310}	L _{B10}
4151	L _{A311}	L _{B10}
4152	L _{A312}	L _{B10}
4153	L _{A313}	L _{B10}
4154	L _{A314}	L _{B10}
4155	L _{A315}	L _{B10}
4156	L _{A316}	L _{B10}
4157	L _{A317}	L _{B10}
4158	L _{A318}	L _{B10}
4159	L _{A319}	L _{B10}
4160	L _{A320}	L _{B10}
4161	L _{A321}	L _{B10}
4162	L _{A322}	L _{B10}
4163	L _{A323}	L _{B10}
4164	L _{A324}	L _{B10}
4165	L _{A325}	L _{B10}
4166	L _{A326}	L _{B10}
4167	L _{A327}	L _{B10}
4168	L _{A328}	L _{B10}
4169	L _{A329}	L _{B10}
4170	L _{A330}	L _{B10}
4171	L _{A331}	L _{B10}
4172	L _{A332}	L _{B10}
4173	L _{A333}	L _{B10}
4174	L _{A334}	L _{B10}
4175	L _{A335}	L _{B10}
4176	L _{A336}	L _{B10}
4177	L _{A337}	L _{B10}
4178	L _{A338}	L _{B10}
4179	L _{A339}	L _{B10}
4180	L _{A340}	L _{B10}
4181	L _{A341}	L _{B10}
4182	L _{A342}	L _{B10}
4183	L _{A343}	L _{B10}
4184	L _{A344}	L _{B10}
4185	L _{A345}	L _{B10}
4186	L _{A346}	L _{B10}

-continued

Compound Number	L _A	L _B
4187	L _{A347}	L _{B10}
4188	L _{A348}	L _{B10}
4189	L _{A349}	L _{B10}
4190	L _{A350}	L _{B10}
4191	L _{A351}	L _{B10}
4192	L _{A352}	L _{B10}
4193	L _{A353}	L _{B10}
4194	L _{A354}	L _{B10}
4195	L _{A355}	L _{B10}
4196	L _{A356}	L _{B10}
4197	L _{A357}	L _{B10}
4198	L _{A358}	L _{B10}
4199	L _{A359}	L _{B10}
4200	L _{A360}	L _{B10}
4201	L _{A361}	L _{B10}
4202	L _{A362}	L _{B10}
4203	L _{A363}	L _{B10}
4204	L _{A364}	L _{B10}
4205	L _{A365}	L _{B10}
4206	L _{A366}	L _{B10}
4207	L _{A367}	L _{B10}
4208	L _{A368}	L _{B10}
4209	L _{A369}	L _{B10}
4210	L _{A370}	L _{B10}
4211	L _{A371}	L _{B10}
4212	L _{A372}	L _{B10}
4213	L _{A373}	L _{B10}
4214	L _{A374}	L _{B10}
4215	L _{A375}	L _{B10}
4216	L _{A376}	L _{B10}
4217	L _{A377}	L _{B10}
4218	L _{A378}	L _{B10}
4219	L _{A379}	L _{B10}
4220	L _{A380}	L _{B10}
4221	L _{A381}	L _{B10}
4222	L _{A382}	L _{B10}
4223	L _{A383}	L _{B10}
4224	L _{A384}	L _{B10}
4225	L _{A385}	L _{B10}
4226	L _{A386}	L _{B10}
4227	L _{A387}	L _{B10}
4228	L _{A388}	L _{B10}
4229	L _{A389}	L _{B10}
4230	L _{A390}	L _{B10}
4231	L _{A391}	L _{B10}
4232	L _{A392}	L _{B10}
4233	L _{A393}	L _{B10}
4234	L _{A394}	L _{B10}
4235	L _{A395}	L _{B10}
4236	L _{A396}	L _{B10}
4237	L _{A397}	L _{B10}
4238	L _{A398}	L _{B10}
4239	L _{A399}	L _{B10}
4240	L _{A400}	L _{B10}
4241	L _{A401}	L _{B10}
4242	L _{A402}	L _{B10}
4243	L _{A403}	L _{B10}
4244	L _{A404}	L _{B10}
4245	L _{A405}	L _{B10}
4246	L _{A406}	L _{B10}
4247	L _{A407}	L _{B10}
4248	L _{A408}	L _{B10}
4249	L _{A409}	L _{B10}
4250	L _{A410}	L _{B10}
4251	L _{A411}	L _{B10}
4252	L _{A412}	L _{B10}
4253	L _{A413}	L _{B10}
4254	L _{A414}	L _{B10}
4255	L _{A415}	L _{B10}
4256	L _{A416}	L _{B10}
4257	L _{A417}	L _{B10}
4258	L _{A418}	L _{B10}
4259	L _{A419}	L _{B10}

-continued

Compound Number	L _A	L _B
4260	L _{A420}	L _{B10}
4261	L _{A421}	L _{B10}
4262	L _{A422}	L _{B10}
4263	L _{A423}	L _{B10}
4264	L _{A424}	L _{B10}
4265	L _{A425}	L _{B10}
4266	L _{A426}	L _{B10}
4267	L _{A427}	L _{B10}
4268	L _{A428}	L _{B10}
4269	L _{A429}	L _{B10}
4270	L _{A430}	L _{B10}
4271	L _{A431}	L _{B10}
4272	L _{A432}	L _{B10}
4273	L _{A433}	L _{B10}
4274	L _{A434}	L _{B10}
4275	L _{A435}	L _{B10}
4276	L _{A436}	L _{B10}
4277	L _{A437}	L _{B10}
4278	L _{A438}	L _{B10}
4279	L _{A439}	L _{B10}
4280	L _{A440}	L _{B10}
4281	L _{A441}	L _{B10}
4282	L _{A442}	L _{B10}
4283	L _{A443}	L _{B10}
4284	L _{A444}	L _{B10}
4285	L _{A445}	L _{B10}
4286	L _{A446}	L _{B10}
4287	L _{A447}	L _{B10}
4288	L _{A448}	L _{B10}
4289	L _{A449}	L _{B10}
4290	L _{A450}	L _{B10}
4291	L _{A451}	L _{B10}
4292	L _{A452}	L _{B10}
4293	L _{A453}	L _{B10}
4294	L _{A454}	L _{B10}
4295	L _{A455}	L _{B10}
4296	L _{A456}	L _{B10}
4297	L _{A457}	L _{B10}
4298	L _{A458}	L _{B10}
4299	L _{A459}	L _{B10}
4300	L _{A460}	L _{B10}
4301	L _{A461}	L _{B10}
4302	L _{A462}	L _{B10}
4303	L _{A463}	L _{B10}
4304	L _{A464}	L _{B10}
4305	L _{A465}	L _{B10}
4306	L _{A466}	L _{B10}
4307	L _{A467}	L _{B10}
4308	L _{A468}	L _{B10}
4309	L _{A469}	L _{B10}
4310	L _{A470}	L _{B10}
4311	L _{A471}	L _{B10}
4312	L _{A472}	L _{B10}
4313	L _{A473}	L _{B10}
4314	L _{A474}	L _{B10}
4315	L _{A475}	L _{B10}
4316	L _{A476}	L _{B10}
4317	L _{A477}	L _{B10}
4318	L _{A478}	L _{B10}
4319	L _{A479}	L _{B10}
4320	L _{A480}	L _{B10}
4321	L _{A481}	L _{B10}
4322	L _{A482}	L _{B10}
4323	L _{A483}	L _{B10}
4324	L _{A484}	L _{B10}
4325	L _{A485}	L _{B10}
4326	L _{A486}	L _{B10}
4327	L _{A487}	L _{B10}
4328	L _{A488}	L _{B10}
4329	L _{A489}	L _{B10}
4330	L _{A490}	L _{B10}
4331	L _{A491}	L _{B10}
4332	L _{A492}	L _{B10}

-continued

Compound Number	L _A	L _B
4333	L _{A493}	L _{B10}
4334	L _{A494}	L _{B10}
4335	L _{A495}	L _{B10}
4336	L _{A496}	L _{B10}
4337	L _{A497}	L _{B10}
4338	L _{A498}	L _{B10}
4339	L _{A499}	L _{B10}
4340	L _{A500}	L _{B10}
4341	L _{A501}	L _{B10}
4342	L _{A502}	L _{B10}
4343	L _{A503}	L _{B10}
4344	L _{A504}	L _{B10}
4345	L _{A505}	L _{B10}
4346	L _{A506}	L _{B10}
4347	L _{A507}	L _{B10}
4348	L _{A508}	L _{B10}
4349	L _{A509}	L _{B10}
4350	L _{A510}	L _{B10}
4351	L _{A511}	L _{B10}
4352	L _{A512}	L _{B10}
4353	L _{A513}	L _{B10}
4354	L _{A514}	L _{B10}
4355	L _{A515}	L _{B10}
4356	L _{A516}	L _{B10}
4357	L _{A517}	L _{B10}
4358	L _{A518}	L _{B10}
4359	L _{A519}	L _{B10}
4360	L _{A520}	L _{B10}
4361	L _{A521}	L _{B10}
4362	L _{A522}	L _{B10}
4363	L _{A523}	L _{B10}
4364	L _{A524}	L _{B10}
4365	L _{A525}	L _{B10}
4366	L _{A526}	L _{B10}
4367	L _{A527}	L _{B10}
4368	L _{A528}	L _{B10}
4369	L _{A529}	L _{B10}
4370	L _{A530}	L _{B10}
4371	L _{A531}	L _{B10}
4372	L _{A532}	L _{B10}
4373	L _{A533}	L _{B10}
4374	L _{A534}	L _{B10}
4375	L _{A535}	L _{B10}
4376	L _{A536}	L _{B10}
4377	L _{A537}	L _{B10}
4378	L _{A538}	L _{B10}
4379	L _{A539}	L _{B10}
4380	L _{A540}	L _{B10}
4381	L _{A541}	L _{B10}
4382	L _{A542}	L _{B10}
4383	L _{A543}	L _{B10}
4384	L _{A544}	L _{B10}
4385	L _{A545}	L _{B10}
4386	L _{A546}	L _{B10}
4387	L _{A547}	L _{B10}
4388	L _{A548}	L _{B10}
4389	L _{A549}	L _{B10}
4390	L _{A550}	L _{B10}
4391	L _{A551}	L _{B10}
4392	L _{A552}	L _{B10}
4393	L _{A553}	L _{B10}
4394	L _{A554}	L _{B10}
4395	L _{A555}	L _{B10}
4396	L _{A556}	L _{B10}
4397	L _{A557}	L _{B10}
4398	L _{A558}	L _{B10}
4399	L _{A559}	L _{B10}
4400	L _{A560}	L _{B10}
4401	L _{A561}	L _{B10}
4402	L _{A562}	L _{B10}
4403	L _{A563}	L _{B10}
4404	L _{A564}	L _{B10}
4405	L _{A565}	L _{B10}

-continued

Compound Number	L _A	L _B
4406	L _{A566}	L _{B10}
4407	L _{A567}	L _{B10}
4408	L _{A568}	L _{B10}
4409	L _{A569}	L _{B10}
4410	L _{A570}	L _{B10}
4411	L _{A571}	L _{B10}
4412	L _{A572}	L _{B10}
4413	L _{A573}	L _{B10}
4414	L _{A574}	L _{B10}
4415	L _{A575}	L _{B10}
4416	L _{A576}	L _{B10}
4417	L _{A577}	L _{B10}
4418	L _{A578}	L _{B10}
4419	L _{A579}	L _{B10}
4420	L _{A580}	L _{B10}
4421	L _{A581}	L _{B10}
4422	L _{A582}	L _{B10}
4423	L _{A583}	L _{B10}
4424	L _{A584}	L _{B10}
4425	L _{A585}	L _{B10}
4426	L _{A586}	L _{B10}
4427	L _{A587}	L _{B10}
4428	L _{A588}	L _{B10}
4429	L _{A589}	L _{B10}
4430	L _{A590}	L _{B10}
4431	L _{A591}	L _{B10}
4432	L _{A592}	L _{B10}
4433	L _{A593}	L _{B10}
4434	L _{A594}	L _{B10}
4435	L _{A595}	L _{B10}
4436	L _{A596}	L _{B10}
4437	L _{A597}	L _{B10}
4438	L _{A598}	L _{B10}
4439	L _{A599}	L _{B10}
4440	L _{A600}	L _{B10}
4441	L _{A601}	L _{B10}
4442	L _{A602}	L _{B10}
4443	L _{A603}	L _{B10}
4444	L _{A604}	L _{B10}
4445	L _{A605}	L _{B10}
4446	L _{A606}	L _{B10}
4447	L _{A607}	L _{B10}
4448	L _{A608}	L _{B10}
4449	L _{A609}	L _{B10}
4450	L _{A610}	L _{B10}
4451	L _{A611}	L _{B10}
4452	L _{A612}	L _{B10}
4453	L _{A613}	L _{B10}
4454	L _{A614}	L _{B10}
4455	L _{A615}	L _{B10}
4456	L _{A616}	L _{B10}
4457	L _{A617}	L _{B10}
4458	L _{A618}	L _{B10}
4459	L _{A619}	L _{B10}
4460	L _{A620}	L _{B10}
4461	L _{A621}	L _{B10}
4462	L _{A622}	L _{B10}
4463	L _{A623}	L _{B10}
4464	L _{A624}	L _{B10}
4465	L _{A625}	L _{B10}
4466	L _{A626}	L _{B10}
4467	L _{A627}	L _{B10}
4468	L _{A628}	L _{B10}
4469	L _{A629}	L _{B10}
4470	L _{A630}	L _{B10}
4471	L _{A631}	L _{B10}
4472	L _{A632}	L _{B10}
4473	L _{A633}	L _{B10}
4474	L _{A634}	L _{B10}
4475	L _{A635}	L _{B10}
4476	L _{A636}	L _{B10}
4477	L _{A637}	L _{B10}
4478	L _{A638}	L _{B10}

-continued

Compound Number	L _A	L _B
4479	L _{A639}	L _{B10}
4480	L _{A640}	L _{B10}
4481	L _{A641}	L _{B10}
4482	L _{A642}	L _{B10}
4483	L _{A643}	L _{B10}
4484	L _{A644}	L _{B10}
4485	L _{A645}	L _{B10}
4486	L _{A646}	L _{B10}
4487	L _{A647}	L _{B10}
4488	L _{A648}	L _{B10}
4489	L _{A649}	L _{B10}
4490	L _{A650}	L _{B10}
4491	L _{A651}	L _{B10}
4492	L _{A652}	L _{B10}
4493	L _{A653}	L _{B10}
4494	L _{A654}	L _{B10}
4495	L _{A655}	L _{B10}
4496	L _{A656}	L _{B10}
4497	L _{A657}	L _{B10}
4498	L _{A658}	L _{B10}
4499	L _{A659}	L _{B10}
4500	L _{A660}	L _{B10}
4501	L _{A661}	L _{B10}
4502	L _{A662}	L _{B10}
4503	L _{A663}	L _{B10}
4504	L _{A664}	L _{B10}
4505	L _{A665}	L _{B10}
4506	L _{A666}	L _{B10}
4507	L _{A667}	L _{B10}
4508	L _{A668}	L _{B10}
4509	L _{A669}	L _{B10}
4510	L _{A670}	L _{B10}
4511	L _{A671}	L _{B10}
4512	L _{A672}	L _{B10}
4513	L _{A673}	L _{B10}
4514	L _{A674}	L _{B10}
4515	L _{A675}	L _{B10}
4516	L _{A676}	L _{B10}
4517	L _{A677}	L _{B10}
4518	L _{A678}	L _{B10}
4519	L _{A679}	L _{B10}
4520	L _{A680}	L _{B10}
4521	L _{A681}	L _{B10}
4522	L _{A682}	L _{B10}
4523	L _{A683}	L _{B10}
4524	L _{A684}	L _{B10}
4525	L _{A685}	L _{B10}
4526	L _{A686}	L _{B10}
4527	L _{A687}	L _{B10}
4528	L _{A688}	L _{B10}
4529	L _{A689}	L _{B10}
4530	L _{A690}	L _{B10}
4531	L _{A691}	L _{B10}
4532	L _{A692}	L _{B10}
4533	L _{A693}	L _{B10}
4534	L _{A694}	L _{B10}
4535	L _{A695}	L _{B10}
4536	L _{A696}	L _{B10}
4537	L _{A697}	L _{B10}
4538	L _{A698}	L _{B10}
4539	L _{A699}	L _{B10}
4540	L _{A700}	L _{B10}
4541	L _{A701}	L _{B10}
4542	L _{A702}	L _{B10}
4543	L _{A703}	L _{B10}
4544	L _{A704}	L _{B10}
4545	L _{A705}	L _{B10}
4546	L _{A706}	L _{B10}
4547	L _{A707}	L _{B10}
4548	L _{A708}	L _{B10}
4549	L _{A709}	L _{B10}
4550	L _{A710}	L _{B10}
4551	L _{A711}	L _{B10}

-continued

Compound Number	L _A	L _B
4552	L _{A712}	L _{B10}
4553	L _{A713}	L _{B10}
4554	L _{A714}	L _{B10}
4555	L _{A715}	L _{B10}
4556	L _{A716}	L _{B10}
4557	L _{A717}	L _{B10}
4558	L _{A718}	L _{B10}
4559	L _{A719}	L _{B10}
4560	L _{A720}	L _{B10}
4561	L _{A721}	L _{B10}
4562	L _{A722}	L _{B10}
4563	L _{A723}	L _{B10}
4564	L _{A724}	L _{B10}
4565	L _{A725}	L _{B10}
4566	L _{A726}	L _{B10}
4567	L _{A727}	L _{B10}
4568	L _{A728}	L _{B10}
4569	L _{A729}	L _{B10}
4570	L _{A730}	L _{B10}
4571	L _{A731}	L _{B10}
4572	L _{A732}	L _{B10}
4573	L _{A733}	L _{B10}
4574	L _{A734}	L _{B10}
4575	L _{A735}	L _{B10}
4576	L _{A736}	L _{B10}
4577	L _{A737}	L _{B10}
4578	L _{A738}	L _{B10}
4579	L _{A739}	L _{B10}
4580	L _{A740}	L _{B10}
4581	L _{A741}	L _{B10}
4582	L _{A742}	L _{B10}
4583	L _{A743}	L _{B10}
4584	L _{A744}	L _{B10}
4585	L _{A745}	L _{B10}
4586	L _{A746}	L _{B10}
4587	L _{A747}	L _{B10}
4588	L _{A748}	L _{B10}
4589	L _{A749}	L _{B10}
4590	L _{A750}	L _{B10}
4591	L _{A751}	L _{B10}
4592	L _{A752}	L _{B10}
4593	L _{A753}	L _{B10}
4594	L _{A754}	L _{B10}
4595	L _{A755}	L _{B10}
4596	L _{A756}	L _{B10}
4597	L _{A757}	L _{B10}
4598	L _{A758}	L _{B10}
4599	L _{A759}	L _{B10}
4600	L _{A760}	L _{B10}
4601	L _{A761}	L _{B10}
4602	L _{A762}	L _{B10}
4603	L _{A763}	L _{B10}
4604	L _{A764}	L _{B10}
4605	L _{A765}	L _{B10}
4606	L _{A766}	L _{B10}
4607	L _{A767}	L _{B10}
4608	L _{A768}	L _{B10}
4609	L _{A769}	L _{B10}
4610	L _{A770}	L _{B10}
4611	L _{A771}	L _{B10}
4612	L _{A772}	L _{B10}
4613	L _{A773}	L _{B10}
4614	L _{A774}	L _{B10}
4615	L _{A775}	L _{B10}
4616	L _{A776}	L _{B10}
4617	L _{A777}	L _{B10}
4618	L _{A778}	L _{B10}
4619	L _{A779}	L _{B10}
4620	L _{A780}	L _{B10}
4621	L _{A781}	L _{B10}
4622	L _{A782}	L _{B10}
4623	L _{A783}	L _{B10}
4624	L _{A784}	L _{B10}

-continued

Compound Number	L _A	L _B
4625	L _{A785}	L _{B10}
4626	L _{A786}	L _{B10}
4627	L _{A787}	L _{B10}
4628	L _{A788}	L _{B10}
4629	L _{A789}	L _{B10}
4630	L _{A790}	L _{B10}
4631	L _{A791}	L _{B10}
4632	L _{A792}	L _{B10}
4633	L _{A793}	L _{B10}
4634	L _{A794}	L _{B10}
4635	L _{A795}	L _{B10}
4636	L _{A796}	L _{B10}
4637	L _{A797}	L _{B10}
4638	L _{A798}	L _{B10}
4639	L _{A799}	L _{B10}
4640	L _{A800}	L _{B10}
4641	L _{A801}	L _{B10}
4642	L _{A802}	L _{B10}
4643	L _{A803}	L _{B10}
4644	L _{A804}	L _{B10}
4645	L _{A805}	L _{B10}
4646	L _{A806}	L _{B10}
4647	L _{A807}	L _{B10}
4648	L _{A808}	L _{B10}
4649	L _{A809}	L _{B10}
4650	L _{A810}	L _{B10}
4651	L _{A811}	L _{B10}
4652	L _{A812}	L _{B10}
4653	L _{A813}	L _{B10}
4654	L _{A814}	L _{B10}
4655	L _{A815}	L _{B10}
4656	L _{A816}	L _{B10}
4657	L _{A817}	L _{B10}
4658	L _{A818}	L _{B10}
4659	L _{A819}	L _{B10}
4660	L _{A820}	L _{B10}
4661	L _{A821}	L _{B10}
4662	L _{A822}	L _{B10}
4663	L _{A823}	L _{B10}
4664	L _{A824}	L _{B10}
4665	L _{A825}	L _{B10}
4666	L _{A826}	L _{B10}
4667	L _{A827}	L _{B10}
4668	L _{A828}	L _{B10}
4669	L _{A829}	L _{B10}
4670	L _{A830}	L _{B10}
4671	L _{A831}	L _{B10}
4672	L _{A832}	L _{B10}
4673	L _{A833}	L _{B10}
4674	L _{A834}	L _{B10}
4675	L _{A835}	L _{B10}
4676	L _{A836}	L _{B10}
4677	L _{A837}	L _{B10}
4678	L _{A838}	L _{B10}
4679	L _{A839}	L _{B10}
4680	L _{A840}	L _{B10}
4681	L _{A841}	L _{B10}
4682	L _{A842}	L _{B10}
4683	L _{A843}	L _{B10}
4684	L _{A844}	L _{B10}
4685	L _{A845}	L _{B10}
4686	L _{A846}	L _{B10}
4687	L _{A847}	L _{B10}
4688	L _{A848}	L _{B10}
4689	L _{A849}	L _{B10}
4690	L _{A850}	L _{B10}
4691	L _{A851}	L _{B10}
4692	L _{A852}	L _{B10}
4693	L _{A853}	L _{B10}
4694	L _{A854}	L _{B10}
4695	L _{A855}	L _{B10}
4696	L _{A856}	L _{B10}
4697	L _{A857}	L _{B10}

-continued

Compound Number	L _A	L _B
4698	L _{A858}	L _{B10}
4699	L _{A859}	L _{B10}
4700	L _{A860}	L _{B10}
4701	L _{A861}	L _{B10}
4702	L _{A862}	L _{B10}
4703	L _{A863}	L _{B10}
4704	L _{A864}	L _{B10}
4705	L _{A865}	L _{B10}
4706	L _{A866}	L _{B10}
4707	L _{A867}	L _{B10}
4708	L _{A868}	L _{B10}
4709	L _{A869}	L _{B10}
4710	L _{A870}	L _{B10}
4711	L _{A871}	L _{B10}
4712	L _{A872}	L _{B10}
4713	L _{A873}	L _{B10}
4714	L _{A874}	L _{B10}
4715	L _{A875}	L _{B10}
4716	L _{A876}	L _{B10}
4717	L _{A877}	L _{B10}
4718	L _{A878}	L _{B10}
4719	L _{A879}	L _{B10}
4720	L _{A880}	L _{B10}
4721	L _{A881}	L _{B10}
4722	L _{A882}	L _{B10}
4723	L _{A883}	L _{B10}
4724	L _{A884}	L _{B10}
4725	L _{A885}	L _{B10}
4726	L _{A886}	L _{B10}
4727	L _{A887}	L _{B10}
4728	L _{A888}	L _{B10}
4729	L _{A889}	L _{B10}
4730	L _{A890}	L _{B10}
4731	L _{A891}	L _{B10}
4732	L _{A892}	L _{B10}
4733	L _{A893}	L _{B10}
4734	L _{A894}	L _{B10}
4735	L _{A895}	L _{B10}
4736	L _{A896}	L _{B10}
4737	L _{A897}	L _{B10}
4738	L _{A898}	L _{B10}
4739	L _{A899}	L _{B10}
4740	L _{A900}	L _{B10}
4741	L _{A901}	L _{B10}
4742	L _{A902}	L _{B10}
4743	L _{A903}	L _{B10}
4744	L _{A904}	L _{B10}
4745	L _{A905}	L _{B10}
4746	L _{A906}	L _{B10}
4747	L _{A907}	L _{B10}
4748	L _{A908}	L _{B10}
4749	L _{A909}	L _{B10}
4750	L _{A910}	L _{B10}
4751	L _{A911}	L _{B10}
4752	L _{A912}	L _{B10}
4753	L _{A913}	L _{B10}
4754	L _{A914}	L _{B10}
4755	L _{A915}	L _{B10}
4756	L _{A916}	L _{B10}
4757	L _{A917}	L _{B10}
4758	L _{A918}	L _{B10}
4759	L _{A919}	L _{B10}
4760	L _{A920}	L _{B10}
4761	L _{A921}	L _{B10}
4762	L _{A922}	L _{B10}
4763	L _{A923}	L _{B10}
4764	L _{A924}	L _{B10}
4765	L _{A925}	L _{B10}
4766	L _{A926}	L _{B10}
4767	L _{A927}	L _{B10}
4768	L _{A928}	L _{B10}
4769	L _{A929}	L _{B10}
4770	L _{A930}	L _{B10}

-continued

Compound Number	L _A	L _B
4771	L _{A931}	L _{B10}
4772	L _{A932}	L _{B10}
4773	L _{A933}	L _{B10}
4774	L _{A934}	L _{B10}
4775	L _{A935}	L _{B10}
4776	L _{A936}	L _{B10}
4777	L _{A937}	L _{B10}
4778	L _{A938}	L _{B10}
4779	L _{A939}	L _{B10}
4780	L _{A940}	L _{B10}
4781	L _{A941}	L _{B10}
4782	L _{A942}	L _{B10}
4783	L _{A943}	L _{B10}
4784	L _{A944}	L _{B10}
4785	L _{A945}	L _{B10}
4786	L _{A946}	L _{B10}
4787	L _{A947}	L _{B10}
4788	L _{A948}	L _{B10}
4789	L _{A949}	L _{B10}
4790	L _{A950}	L _{B10}
4791	L _{A951}	L _{B10}
4792	L _{A952}	L _{B10}
4793	L _{A953}	L _{B10}
4794	L _{A954}	L _{B10}
4795	L _{A955}	L _{B10}
4796	L _{A956}	L _{B10}
4797	L _{A957}	L _{B10}
4798	L _{A958}	L _{B10}
4799	L _{A959}	L _{B10}
4800	L _{A960}	L _{B10}
4801	L _{A1}	L _{B12}
4802	L _{A2}	L _{B12}
4803	L _{A3}	L _{B12}
4804	L _{A4}	L _{B12}
4805	L _{A5}	L _{B12}
4806	L _{A6}	L _{B12}
4807	L _{A7}	L _{B12}
4808	L _{A8}	L _{B12}
4809	L _{A9}	L _{B12}
4810	L _{A10}	L _{B12}
4811	L _{A11}	L _{B12}
4812	L _{A12}	L _{B12}
4813	L _{A13}	L _{B12}
4814	L _{A14}	L _{B12}
4815	L _{A15}	L _{B12}
4816	L _{A16}	L _{B12}
4817	L _{A17}	L _{B12}
4818	L _{A18}	L _{B12}
4819	L _{A19}	L _{B12}
4820	L _{A20}	L _{B12}
4821	L _{A21}	L _{B12}
4822	L _{A22}	L _{B12}
4823	L _{A23}	L _{B12}
4824	L _{A24}	L _{B12}
4825	L _{A25}	L _{B12}
4826	L _{A26}	L _{B12}
4827	L _{A27}	L _{B12}
4828	L _{A28}	L _{B12}
4829	L _{A29}	L _{B12}
4830	L _{A30}	L _{B12}
4831	L _{A31}	L _{B12}
4832	L _{A32}	L _{B12}
4833	L _{A33}	L _{B12}
4834	L _{A34}	L _{B12}
4835	L _{A35}	L _{B12}
4836	L _{A36}	L _{B12}
4837	L _{A37}	L _{B12}
4838	L _{A38}	L _{B12}
4839	L _{A39}	L _{B12}
4840	L _{A40}	L _{B12}
4841	L _{A41}	L _{B12}
4842	L _{A42}	L _{B12}
4843	L _{A43}	L _{B12}

-continued

Compound Number	L _A	L _B
4844	L _{A44}	L _{B12}
4845	L _{A45}	L _{B12}
4846	L _{A46}	L _{B12}
4847	L _{A47}	L _{B12}
4848	L _{A48}	L _{B12}
4849	L _{A49}	L _{B12}
4850	L _{A50}	L _{B12}
4851	L _{A51}	L _{B12}
4852	L _{A52}	L _{B12}
4853	L _{A53}	L _{B12}
4854	L _{A54}	L _{B12}
4855	L _{A55}	L _{B12}
4856	L _{A56}	L _{B12}
4857	L _{A57}	L _{B12}
4858	L _{A58}	L _{B12}
4859	L _{A59}	L _{B12}
4860	L _{A60}	L _{B12}
4861	L _{A61}	L _{B12}
4862	L _{A62}	L _{B12}
4863	L _{A63}	L _{B12}
4864	L _{A64}	L _{B12}
4865	L _{A65}	L _{B12}
4866	L _{A66}	L _{B12}
4867	L _{A67}	L _{B12}
4868	L _{A68}	L _{B12}
4869	L _{A69}	L _{B12}
4870	L _{A70}	L _{B12}
4871	L _{A71}	L _{B12}
4872	L _{A72}	L _{B12}
4873	L _{A73}	L _{B12}
4874	L _{A74}	L _{B12}
4875	L _{A75}	L _{B12}
4876	L _{A76}	L _{B12}
4877	L _{A77}	L _{B12}
4878	L _{A78}	L _{B12}
4879	L _{A79}	L _{B12}
4880	L _{A80}	L _{B12}
4881	L _{A81}	L _{B12}
4882	L _{A82}	L _{B12}
4883	L _{A83}	L _{B12}
4884	L _{A84}	L _{B12}
4885	L _{A85}	L _{B12}
4886	L _{A86}	L _{B12}
4887	L _{A87}	L _{B12}
4888	L _{A88}	L _{B12}
4889	L _{A89}	L _{B12}
4890	L _{A90}	L _{B12}
4891	L _{A91}	L _{B12}
4892	L _{A92}	L _{B12}
4893	L _{A93}	L _{B12}
4894	L _{A94}	L _{B12}
4895	L _{A95}	L _{B12}
4896	L _{A96}	L _{B12}
4897	L _{A97}	L _{B12}
4898	L _{A98}	L _{B12}
4899	L _{A99}	L _{B12}
4900	L _{A100}	L _{B12}
4901	L _{A101}	L _{B12}
4902	L _{A102}	L _{B12}
4903	L _{A103}	L _{B12}
4904	L _{A104}	L _{B12}
4905	L _{A105}	L _{B12}
4906	L _{A106}	L _{B12}
4907	L _{A107}	L _{B12}
4908	L _{A108}	L _{B12}
4909	L _{A109}	L _{B12}
4910	L _{A110}	L _{B12}
4911	L _{A111}	L _{B12}
4912	L _{A112}	L _{B12}
4913	L _{A113}	L _{B12}
4914	L _{A114}	L _{B12}
4915	L _{A115}	L _{B12}
4916	L _{A116}	L _{B12}

-continued

Compound Number	L _A	L _B
4917	L _{A117}	L _{B12}
4918	L _{A118}	L _{B12}
4919	L _{A119}	L _{B12}
4920	L _{A120}	L _{B12}
4921	L _{A121}	L _{B12}
4922	L _{A122}	L _{B12}
4923	L _{A123}	L _{B12}
4924	L _{A124}	L _{B12}
4925	L _{A125}	L _{B12}
4926	L _{A126}	L _{B12}
4927	L _{A127}	L _{B12}
4928	L _{A128}	L _{B12}
4929	L _{A129}	L _{B12}
4930	L _{A130}	L _{B12}
4931	L _{A131}	L _{B12}
4932	L _{A132}	L _{B12}
4933	L _{A133}	L _{B12}
4934	L _{A134}	L _{B12}
4935	L _{A135}	L _{B12}
4936	L _{A136}	L _{B12}
4937	L _{A137}	L _{B12}
4938	L _{A138}	L _{B12}
4939	L _{A139}	L _{B12}
4940	L _{A140}	L _{B12}
4941	L _{A141}	L _{B12}
4942	L _{A142}	L _{B12}
4943	L _{A143}	L _{B12}
4944	L _{A144}	L _{B12}
4945	L _{A145}	L _{B12}
4946	L _{A146}	L _{B12}
4947	L _{A147}	L _{B12}
4948	L _{A148}	L _{B12}
4949	L _{A149}	L _{B12}
4950	L _{A150}	L _{B12}
4951	L _{A151}	L _{B12}
4952	L _{A152}	L _{B12}
4953	L _{A153}	L _{B12}
4954	L _{A154}	L _{B12}
4955	L _{A155}	L _{B12}
4956	L _{A156}	L _{B12}
4957	L _{A157}	L _{B12}
4958	L _{A158}	L _{B12}
4959	L _{A159}	L _{B12}
4960	L _{A160}	L _{B12}
4961	L _{A161}	L _{B12}
4962	L _{A162}	L _{B12}
4963	L _{A163}	L _{B12}
4964	L _{A164}	L _{B12}
4965	L _{A165}	L _{B12}
4966	L _{A166}	L _{B12}
4967	L _{A167}	L _{B12}
4968	L _{A168}	L _{B12}
4969	L _{A169}	L _{B12}
4970	L _{A170}	L _{B12}
4971	L _{A171}	L _{B12}
4972	L _{A172}	L _{B12}
4973	L _{A173}	L _{B12}
4974	L _{A174}	L _{B12}
4975	L _{A175}	L _{B12}
4976	L _{A176}	L _{B12}
4977	L _{A177}	L _{B12}
4978	L _{A178}	L _{B12}
4979	L _{A179}	L _{B12}
4980	L _{A180}	L _{B12}
4981	L _{A181}	L _{B12}
4982	L _{A182}	L _{B12}
4983	L _{A183}	L _{B12}
4984	L _{A184}	L _{B12}
4985	L _{A185}	L _{B12}
4986	L _{A186}	L _{B12}
4987	L _{A187}	L _{B12}
4988	L _{A188}	L _{B12}
4989	L _{A189}	L _{B12}

-continued

Compound Number	L _A	L _B
4990	L _{A190}	L _{B12}
4991	L _{A191}	L _{B12}
4992	L _{A192}	L _{B12}
4993	L _{A193}	L _{B12}
4994	L _{A194}	L _{B12}
4995	L _{A195}	L _{B12}
4996	L _{A196}	L _{B12}
4997	L _{A197}	L _{B12}
4998	L _{A198}	L _{B12}
4999	L _{A199}	L _{B12}
5000	L _{A200}	L _{B12}
5001	L _{A201}	L _{B12}
5002	L _{A202}	L _{B12}
5003	L _{A203}	L _{B12}
5004	L _{A204}	L _{B12}
5005	L _{A205}	L _{B12}
5006	L _{A206}	L _{B12}
5007	L _{A207}	L _{B12}
5008	L _{A208}	L _{B12}
5009	L _{A209}	L _{B12}
5010	L _{A210}	L _{B12}
5011	L _{A211}	L _{B12}
5012	L _{A212}	L _{B12}
5013	L _{A213}	L _{B12}
5014	L _{A214}	L _{B12}
5015	L _{A215}	L _{B12}
5016	L _{A216}	L _{B12}
5017	L _{A217}	L _{B12}
5018	L _{A218}	L _{B12}
5019	L _{A219}	L _{B12}
5020	L _{A220}	L _{B12}
5021	L _{A221}	L _{B12}
5022	L _{A222}	L _{B12}
5023	L _{A223}	L _{B12}
5024	L _{A224}	L _{B12}
5025	L _{A225}	L _{B12}
5026	L _{A226}	L _{B12}
5027	L _{A227}	L _{B12}
5028	L _{A228}	L _{B12}
5029	L _{A229}	L _{B12}
5030	L _{A230}	L _{B12}
5031	L _{A231}	L _{B12}
5032	L _{A232}	L _{B12}
5033	L _{A233}	L _{B12}
5034	L _{A234}	L _{B12}
5035	L _{A235}	L _{B12}
5036	L _{A236}	L _{B12}
5037	L _{A237}	L _{B12}
5038	L _{A238}	L _{B12}
5039	L _{A239}	L _{B12}
5040	L _{A240}	L _{B12}
5041	L _{A241}	L _{B12}
5042	L _{A242}	L _{B12}
5043	L _{A243}	L _{B12}
5044	L _{A244}	L _{B12}
5045	L _{A245}	L _{B12}
5046	L _{A246}	L _{B12}
5047	L _{A247}	L _{B12}
5048	L _{A248}	L _{B12}
5049	L _{A249}	L _{B12}
5050	L _{A250}	L _{B12}
5051	L _{A251}	L _{B12}
5052	L _{A252}	L _{B12}
5053	L _{A253}	L _{B12}
5054	L _{A254}	L _{B12}
5055	L _{A255}	L _{B12}
5056	L _{A256}	L _{B12}
5057	L _{A257}	L _{B12}
5058	L _{A258}	L _{B12}
5059	L _{A259}	L _{B12}
5060	L _{A260}	L _{B12}
5061	L _{A261}	L _{B12}
5062	L _{A262}	L _{B12}

-continued

Compound Number	L _A	L _B
5063	L _{A263}	L _{B12}
5064	L _{A264}	L _{B12}
5065	L _{A265}	L _{B12}
5066	L _{A266}	L _{B12}
5067	L _{A267}	L _{B12}
5068	L _{A268}	L _{B12}
5069	L _{A269}	L _{B12}
5070	L _{A270}	L _{B12}
5071	L _{A271}	L _{B12}
5072	L _{A272}	L _{B12}
5073	L _{A273}	L _{B12}
5074	L _{A274}	L _{B12}
5075	L _{A275}	L _{B12}
5076	L _{A276}	L _{B12}
5077	L _{A277}	L _{B12}
5078	L _{A278}	L _{B12}
5079	L _{A279}	L _{B12}
5080	L _{A280}	L _{B12}
5081	L _{A281}	L _{B12}
5082	L _{A282}	L _{B12}
5083	L _{A283}	L _{B12}
5084	L _{A284}	L _{B12}
5085	L _{A285}	L _{B12}
5086	L _{A286}	L _{B12}
5087	L _{A287}	L _{B12}
5088	L _{A288}	L _{B12}
5089	L _{A289}	L _{B12}
5090	L _{A290}	L _{B12}
5091	L _{A291}	L _{B12}
5092	L _{A292}	L _{B12}
5093	L _{A293}	L _{B12}
5094	L _{A294}	L _{B12}
5095	L _{A295}	L _{B12}
5096	L _{A296}	L _{B12}
5097	L _{A297}	L _{B12}
5098	L _{A298}	L _{B12}
5099	L _{A299}	L _{B12}
5100	L _{A300}	L _{B12}
5101	L _{A301}	L _{B12}
5102	L _{A302}	L _{B12}
5103	L _{A303}	L _{B12}
5104	L _{A304}	L _{B12}
5105	L _{A305}	L _{B12}
5106	L _{A306}	L _{B12}
5107	L _{A307}	L _{B12}
5108	L _{A308}	L _{B12}
5109	L _{A309}	L _{B12}
5110	L _{A310}	L _{B12}
5111	L _{A311}	L _{B12}
5112	L _{A312}	L _{B12}
5113	L _{A313}	L _{B12}
5114	L _{A314}	L _{B12}
5115	L _{A315}	L _{B12}
5116	L _{A316}	L _{B12}
5117	L _{A317}	L _{B12}
5118	L _{A318}	L _{B12}
5119	L _{A319}	L _{B12}
5120	L _{A320}	L _{B12}
5121	L _{A321}	L _{B12}
5122	L _{A322}	L _{B12}
5123	L _{A323}	L _{B12}
5124	L _{A324}	L _{B12}
5125	L _{A325}	L _{B12}
5126	L _{A326}	L _{B12}
5127	L _{A327}	L _{B12}
5128	L _{A328}	L _{B12}
5129	L _{A329}	L _{B12}
5130	L _{A330}	L _{B12}
5131	L _{A331}	L _{B12}
5132	L _{A332}	L _{B12}
5133	L _{A333}	L _{B12}
5134	L _{A334}	L _{B12}
5135	L _{A335}	L _{B12}

-continued

Compound Number	L _A	L _B
5136	L _{A336}	L _{B12}
5137	L _{A337}	L _{B12}
5138	L _{A338}	L _{B12}
5139	L _{A339}	L _{B12}
5140	L _{A340}	L _{B12}
5141	L _{A341}	L _{B12}
5142	L _{A342}	L _{B12}
5143	L _{A343}	L _{B12}
5144	L _{A344}	L _{B12}
5145	L _{A345}	L _{B12}
5146	L _{A346}	L _{B12}
5147	L _{A347}	L _{B12}
5148	L _{A348}	L _{B12}
5149	L _{A349}	L _{B12}
5150	L _{A350}	L _{B12}
5151	L _{A351}	L _{B12}
5152	L _{A352}	L _{B12}
5153	L _{A353}	L _{B12}
5154	L _{A354}	L _{B12}
5155	L _{A355}	L _{B12}
5156	L _{A356}	L _{B12}
5157	L _{A357}	L _{B12}
5158	L _{A358}	L _{B12}
5159	L _{A359}	L _{B12}
5160	L _{A360}	L _{B12}
5161	L _{A361}	L _{B12}
5162	L _{A362}	L _{B12}
5163	L _{A363}	L _{B12}
5164	L _{A364}	L _{B12}
5165	L _{A365}	L _{B12}
5166	L _{A366}	L _{B12}
5167	L _{A367}	L _{B12}
5168	L _{A368}	L _{B12}
5169	L _{A369}	L _{B12}
5170	L _{A370}	L _{B12}
5171	L _{A371}	L _{B12}
5172	L _{A372}	L _{B12}
5173	L _{A373}	L _{B12}
5174	L _{A374}	L _{B12}
5175	L _{A375}	L _{B12}
5176	L _{A376}	L _{B12}
5177	L _{A377}	L _{B12}
5178	L _{A378}	L _{B12}
5179	L _{A379}	L _{B12}
5180	L _{A380}	L _{B12}
5181	L _{A381}	L _{B12}
5182	L _{A382}	L _{B12}
5183	L _{A383}	L _{B12}
5184	L _{A384}	L _{B12}
5185	L _{A385}	L _{B12}
5186	L _{A386}	L _{B12}
5187	L _{A387}	L _{B12}
5188	L _{A388}	L _{B12}
5189	L _{A389}	L _{B12}
5190	L _{A390}	L _{B12}
5191	L _{A391}	L _{B12}
5192	L _{A392}	L _{B12}
5193	L _{A393}	L _{B12}
5194	L _{A394}	L _{B12}
5195	L _{A395}	L _{B12}
5196	L _{A396}	L _{B12}
5197	L _{A397}	L _{B12}
5198	L _{A398}	L _{B12}
5199	L _{A399}	L _{B12}
5200	L _{A400}	L _{B12}
5201	L _{A401}	L _{B12}
5202	L _{A402}	L _{B12}
5203	L _{A403}	L _{B12}
5204	L _{A404}	L _{B12}
5205	L _{A405}	L _{B12}
5206	L _{A406}	L _{B12}
5207	L _{A407}	L _{B12}
5208	L _{A408}	L _{B12}

-continued

Compound Number	L _A	L _B
5209	L _{A409}	L _{B12}
5210	L _{A410}	L _{B12}
5211	L _{A411}	L _{B12}
5212	L _{A412}	L _{B12}
5213	L _{A413}	L _{B12}
5214	L _{A414}	L _{B12}
5215	L _{A415}	L _{B12}
5216	L _{A416}	L _{B12}
5217	L _{A417}	L _{B12}
5218	L _{A418}	L _{B12}
5219	L _{A419}	L _{B12}
5220	L _{A420}	L _{B12}
5221	L _{A421}	L _{B12}
5222	L _{A422}	L _{B12}
5223	L _{A423}	L _{B12}
5224	L _{A424}	L _{B12}
5225	L _{A425}	L _{B12}
5226	L _{A426}	L _{B12}
5227	L _{A427}	L _{B12}
5228	L _{A428}	L _{B12}
5229	L _{A429}	L _{B12}
5230	L _{A430}	L _{B12}
5231	L _{A431}	L _{B12}
5232	L _{A432}	L _{B12}
5233	L _{A433}	L _{B12}
5234	L _{A434}	L _{B12}
5235	L _{A435}	L _{B12}
5236	L _{A436}	L _{B12}
5237	L _{A437}	L _{B12}
5238	L _{A438}	L _{B12}
5239	L _{A439}	L _{B12}
5240	L _{A440}	L _{B12}
5241	L _{A441}	L _{B12}
5242	L _{A442}	L _{B12}
5243	L _{A443}	L _{B12}
5244	L _{A444}	L _{B12}
5245	L _{A445}	L _{B12}
5246	L _{A446}	L _{B12}
5247	L _{A447}	L _{B12}
5248	L _{A448}	L _{B12}
5249	L _{A449}	L _{B12}
5250	L _{A450}	L _{B12}
5251	L _{A451}	L _{B12}
5252	L _{A452}	L _{B12}
5253	L _{A453}	L _{B12}
5254	L _{A454}	L _{B12}
5255	L _{A455}	L _{B12}
5256	L _{A456}	L _{B12}
5257	L _{A457}	L _{B12}
5258	L _{A458}	L _{B12}
5259	L _{A459}	L _{B12}
5260	L _{A460}	L _{B12}
5261	L _{A461}	L _{B12}
5262	L _{A462}	L _{B12}
5263	L _{A463}	L _{B12}
5264	L _{A464}	L _{B12}
5265	L _{A465}	L _{B12}
5266	L _{A466}	L _{B12}
5267	L _{A467}	L _{B12}
5268	L _{A468}	L _{B12}
5269	L _{A469}	L _{B12}
5270	L _{A470}	L _{B12}
5271	L _{A471}	L _{B12}
5272	L _{A472}	L _{B12}
5273	L _{A473}	L _{B12}
5274	L _{A474}	L _{B12}
5275	L _{A475}	L _{B12}
5276	L _{A476}	L _{B12}
5277	L _{A477}	L _{B12}
5278	L _{A478}	L _{B12}
5279	L _{A479}	L _{B12}
5280	L _{A480}	L _{B12}
5281	L _{A481}	L _{B12}

-continued

Compound Number	L _A	L _B
5282	L ₄₄₈₂	L _{B12}
5283	L ₄₄₈₃	L _{B12}
5284	L ₄₄₈₄	L _{B12}
5285	L ₄₄₈₅	L _{B12}
5286	L ₄₄₈₆	L _{B12}
5287	L ₄₄₈₇	L _{B12}
5288	L ₄₄₈₈	L _{B12}
5289	L ₄₄₈₉	L _{B12}
5290	L ₄₄₉₀	L _{B12}
5291	L ₄₄₉₁	L _{B12}
5292	L ₄₄₉₂	L _{B12}
5293	L ₄₄₉₃	L _{B12}
5294	L ₄₄₉₄	L _{B12}
5295	L ₄₄₉₅	L _{B12}
5296	L ₄₄₉₆	L _{B12}
5297	L ₄₄₉₇	L _{B12}
5298	L ₄₄₉₈	L _{B12}
5299	L ₄₄₉₉	L _{B12}
5300	L ₄₅₀₀	L _{B12}
5301	L ₄₅₀₁	L _{B12}
5302	L ₄₅₀₂	L _{B12}
5303	L ₄₅₀₃	L _{B12}
5304	L ₄₅₀₄	L _{B12}
5305	L ₄₅₀₅	L _{B12}
5306	L ₄₅₀₆	L _{B12}
5307	L ₄₅₀₇	L _{B12}
5308	L ₄₅₀₈	L _{B12}
5309	L ₄₅₀₉	L _{B12}
5310	L ₄₅₁₀	L _{B12}
5311	L ₄₅₁₁	L _{B12}
5312	L ₄₅₁₂	L _{B12}
5313	L ₄₅₁₃	L _{B12}
5314	L ₄₅₁₄	L _{B12}
5315	L ₄₅₁₅	L _{B12}
5316	L ₄₅₁₆	L _{B12}
5317	L ₄₅₁₇	L _{B12}
5318	L ₄₅₁₈	L _{B12}
5319	L ₄₅₁₉	L _{B12}
5320	L ₄₅₂₀	L _{B12}
5321	L ₄₅₂₁	L _{B12}
5322	L ₄₅₂₂	L _{B12}
5323	L ₄₅₂₃	L _{B12}
5324	L ₄₅₂₄	L _{B12}
5325	L ₄₅₂₅	L _{B12}
5326	L ₄₅₂₆	L _{B12}
5327	L ₄₅₂₇	L _{B12}
5328	L ₄₅₂₈	L _{B12}
5329	L ₄₅₂₉	L _{B12}
5330	L ₄₅₃₀	L _{B12}
5331	L ₄₅₃₁	L _{B12}
5332	L ₄₅₃₂	L _{B12}
5333	L ₄₅₃₃	L _{B12}
5334	L ₄₅₃₄	L _{B12}
5335	L ₄₅₃₅	L _{B12}
5336	L ₄₅₃₆	L _{B12}
5337	L ₄₅₃₇	L _{B12}
5338	L ₄₅₃₈	L _{B12}
5339	L ₄₅₃₉	L _{B12}
5340	L ₄₅₄₀	L _{B12}
5341	L ₄₅₄₁	L _{B12}
5342	L ₄₅₄₂	L _{B12}
5343	L ₄₅₄₃	L _{B12}
5344	L ₄₅₄₄	L _{B12}
5345	L ₄₅₄₅	L _{B12}
5346	L ₄₅₄₆	L _{B12}
5347	L ₄₅₄₇	L _{B12}
5348	L ₄₅₄₈	L _{B12}
5349	L ₄₅₄₉	L _{B12}
5350	L ₄₅₅₀	L _{B12}
5351	L ₄₅₅₁	L _{B12}
5352	L ₄₅₅₂	L _{B12}
5353	L ₄₅₅₃	L _{B12}
5354	L ₄₅₅₄	L _{B12}

-continued

Compound Number	L _A	L _B
5355	L ₄₅₅₅	L _{B12}
5356	L ₄₅₅₆	L _{B12}
5357	L ₄₅₅₇	L _{B12}
5358	L ₄₅₅₈	L _{B12}
5359	L ₄₅₅₉	L _{B12}
5360	L ₄₅₆₀	L _{B12}
5361	L ₄₅₆₁	L _{B12}
5362	L ₄₅₆₂	L _{B12}
5363	L ₄₅₆₃	L _{B12}
5364	L ₄₅₆₄	L _{B12}
5365	L ₄₅₆₅	L _{B12}
5366	L ₄₅₆₆	L _{B12}
5367	L ₄₅₆₇	L _{B12}
5368	L ₄₅₆₈	L _{B12}
5369	L ₄₅₆₉	L _{B12}
5370	L ₄₅₇₀	L _{B12}
5371	L ₄₅₇₁	L _{B12}
5372	L ₄₅₇₂	L _{B12}
5373	L ₄₅₇₃	L _{B12}
5374	L ₄₅₇₄	L _{B12}
5375	L ₄₅₇₅	L _{B12}
5376	L ₄₅₇₆	L _{B12}
5377	L ₄₅₇₇	L _{B12}
5378	L ₄₅₇₈	L _{B12}
5379	L ₄₅₇₉	L _{B12}
5380	L ₄₅₈₀	L _{B12}
5381	L ₄₅₈₁	L _{B12}
5382	L ₄₅₈₂	L _{B12}
5383	L ₄₅₈₃	L _{B12}
5384	L ₄₅₈₄	L _{B12}
5385	L ₄₅₈₅	L _{B12}
5386	L ₄₅₈₆	L _{B12}
5387	L ₄₅₈₇	L _{B12}
5388	L ₄₅₈₈	L _{B12}
5389	L ₄₅₈₉	L _{B12}
5390	L ₄₅₉₀	L _{B12}
5391	L ₄₅₉₁	L _{B12}
5392	L ₄₅₉₂	L _{B12}
5393	L ₄₅₉₃	L _{B12}
5394	L ₄₅₉₄	L _{B12}
5395	L ₄₅₉₅	L _{B12}
5396	L ₄₅₉₆	L _{B12}
5397	L ₄₅₉₇	L _{B12}
5398	L ₄₅₉₈	L _{B12}
5399	L ₄₅₉₉	L _{B12}
5400	L ₄₆₀₀	L _{B12}
5401	L ₄₆₀₁	L _{B12}
5402	L ₄₆₀₂	L _{B12}
5403	L ₄₆₀₃	L _{B12}
5404	L ₄₆₀₄	L _{B12}
5405	L ₄₆₀₅	L _{B12}
5406	L ₄₆₀₆	L _{B12}
5407	L ₄₆₀₇	L _{B12}
5408	L ₄₆₀₈	L _{B12}
5409	L ₄₆₀₉	L _{B12}
5410	L ₄₆₁₀	L _{B12}
5411	L ₄₆₁₁	L _{B12}
5412	L ₄₆₁₂	L _{B12}
5413	L ₄₆₁₃	L _{B12}
5414	L ₄₆₁₄	L _{B12}
5415	L ₄₆₁₅	L _{B12}
5416	L ₄₆₁₆	L _{B12}
5417	L ₄₆₁₇	L _{B12}
5418	L ₄₆₁₈	L _{B12}
5419	L ₄₆₁₉	L _{B12}
5420	L ₄₆₂₀	L _{B12}
5421	L ₄₆₂₁	L _{B12}
5422	L ₄₆₂₂	L _{B12}
5423	L ₄₆₂₃	L _{B12}
5424	L ₄₆₂₄	L _{B12}
5425	L ₄₆₂₅	L _{B12}
5426	L ₄₆₂₆	L _{B12}
5427	L ₄₆₂₇	L _{B12}

-continued

Compound Number	L _A	L _B
5428	L _{A628}	L _{B12}
5429	L _{A629}	L _{B12}
5430	L _{A630}	L _{B12}
5431	L _{A631}	L _{B12}
5432	L _{A632}	L _{B12}
5433	L _{A633}	L _{B12}
5434	L _{A634}	L _{B12}
5435	L _{A635}	L _{B12}
5436	L _{A636}	L _{B12}
5437	L _{A637}	L _{B12}
5438	L _{A638}	L _{B12}
5439	L _{A639}	L _{B12}
5440	L _{A640}	L _{B12}
5441	L _{A641}	L _{B12}
5442	L _{A642}	L _{B12}
5443	L _{A643}	L _{B12}
5444	L _{A644}	L _{B12}
5445	L _{A645}	L _{B12}
5446	L _{A646}	L _{B12}
5447	L _{A647}	L _{B12}
5448	L _{A648}	L _{B12}
5449	L _{A649}	L _{B12}
5450	L _{A650}	L _{B12}
5451	L _{A651}	L _{B12}
5452	L _{A652}	L _{B12}
5453	L _{A653}	L _{B12}
5454	L _{A654}	L _{B12}
5455	L _{A655}	L _{B12}
5456	L _{A656}	L _{B12}
5457	L _{A657}	L _{B12}
5458	L _{A658}	L _{B12}
5459	L _{A659}	L _{B12}
5460	L _{A660}	L _{B12}
5461	L _{A661}	L _{B12}
5462	L _{A662}	L _{B12}
5463	L _{A663}	L _{B12}
5464	L _{A664}	L _{B12}
5465	L _{A665}	L _{B12}
5466	L _{A666}	L _{B12}
5467	L _{A667}	L _{B12}
5468	L _{A668}	L _{B12}
5469	L _{A669}	L _{B12}
5470	L _{A670}	L _{B12}
5471	L _{A671}	L _{B12}
5472	L _{A672}	L _{B12}
5473	L _{A673}	L _{B12}
5474	L _{A674}	L _{B12}
5475	L _{A675}	L _{B12}
5476	L _{A676}	L _{B12}
5477	L _{A677}	L _{B12}
5478	L _{A678}	L _{B12}
5479	L _{A679}	L _{B12}
5480	L _{A680}	L _{B12}
5481	L _{A681}	L _{B12}
5482	L _{A682}	L _{B12}
5483	L _{A683}	L _{B12}
5484	L _{A684}	L _{B12}
5485	L _{A685}	L _{B12}
5486	L _{A686}	L _{B12}
5487	L _{A687}	L _{B12}
5488	L _{A688}	L _{B12}
5489	L _{A689}	L _{B12}
5490	L _{A690}	L _{B12}
5491	L _{A691}	L _{B12}
5492	L _{A692}	L _{B12}
5493	L _{A693}	L _{B12}
5494	L _{A694}	L _{B12}
5495	L _{A695}	L _{B12}
5496	L _{A696}	L _{B12}
5497	L _{A697}	L _{B12}
5498	L _{A698}	L _{B12}
5499	L _{A699}	L _{B12}
5500	L _{A700}	L _{B12}

-continued

Compound Number	L _A	L _B
5501	L _{A701}	L _{B12}
5502	L _{A702}	L _{B12}
5503	L _{A703}	L _{B12}
5504	L _{A704}	L _{B12}
5505	L _{A705}	L _{B12}
5506	L _{A706}	L _{B12}
5507	L _{A707}	L _{B12}
5508	L _{A708}	L _{B12}
5509	L _{A709}	L _{B12}
5510	L _{A710}	L _{B12}
5511	L _{A711}	L _{B12}
5512	L _{A712}	L _{B12}
5513	L _{A713}	L _{B12}
5514	L _{A714}	L _{B12}
5515	L _{A715}	L _{B12}
5516	L _{A716}	L _{B12}
5517	L _{A717}	L _{B12}
5518	L _{A718}	L _{B12}
5519	L _{A719}	L _{B12}
5520	L _{A720}	L _{B12}
5521	L _{A721}	L _{B12}
5522	L _{A722}	L _{B12}
5523	L _{A723}	L _{B12}
5524	L _{A724}	L _{B12}
5525	L _{A725}	L _{B12}
5526	L _{A726}	L _{B12}
5527	L _{A727}	L _{B12}
5528	L _{A728}	L _{B12}
5529	L _{A729}	L _{B12}
5530	L _{A730}	L _{B12}
5531	L _{A731}	L _{B12}
5532	L _{A732}	L _{B12}
5533	L _{A733}	L _{B12}
5534	L _{A734}	L _{B12}
5535	L _{A735}	L _{B12}
5536	L _{A736}	L _{B12}
5537	L _{A737}	L _{B12}
5538	L _{A738}	L _{B12}
5539	L _{A739}	L _{B12}
5540	L _{A740}	L _{B12}
5541	L _{A741}	L _{B12}
5542	L _{A742}	L _{B12}
5543	L _{A743}	L _{B12}
5544	L _{A744}	L _{B12}
5545	L _{A745}	L _{B12}
5546	L _{A746}	L _{B12}
5547	L _{A747}	L _{B12}
5548	L _{A748}	L _{B12}
5549	L _{A749}	L _{B12}
5550	L _{A750}	L _{B12}
5551	L _{A751}	L _{B12}
5552	L _{A752}	L _{B12}
5553	L _{A753}	L _{B12}
5554	L _{A754}	L _{B12}
5555	L _{A755}	L _{B12}
5556	L _{A756}	L _{B12}
5557	L _{A757}	L _{B12}
5558	L _{A758}	L _{B12}
5559	L _{A759}	L _{B12}
5560	L _{A760}	L _{B12}
5561	L _{A761}	L _{B12}
5562	L _{A762}	L _{B12}
5563	L _{A763}	L _{B12}
5564	L _{A764}	L _{B12}
5565	L _{A765}	L _{B12}
5566	L _{A766}	L _{B12}
5567	L _{A767}	L _{B12}
5568	L _{A768}	L _{B12}
5569	L _{A769}	L _{B12}
5570	L _{A770}	L _{B12}
5571	L _{A771}	L _{B12}
5572	L _{A772}	L _{B12}
5573	L _{A773}	L _{B12}

-continued

Compound Number	L _A	L _B
5574	L _{A774}	L _{B12}
5575	L _{A775}	L _{B12}
5576	L _{A776}	L _{B12}
5577	L _{A777}	L _{B12}
5578	L _{A778}	L _{B12}
5579	L _{A779}	L _{B12}
5580	L _{A780}	L _{B12}
5581	L _{A781}	L _{B12}
5582	L _{A782}	L _{B12}
5583	L _{A783}	L _{B12}
5584	L _{A784}	L _{B12}
5585	L _{A785}	L _{B12}
5586	L _{A786}	L _{B12}
5587	L _{A787}	L _{B12}
5588	L _{A788}	L _{B12}
5589	L _{A789}	L _{B12}
5590	L _{A790}	L _{B12}
5591	L _{A791}	L _{B12}
5592	L _{A792}	L _{B12}
5593	L _{A793}	L _{B12}
5594	L _{A794}	L _{B12}
5595	L _{A795}	L _{B12}
5596	L _{A796}	L _{B12}
5597	L _{A797}	L _{B12}
5598	L _{A798}	L _{B12}
5599	L _{A799}	L _{B12}
5600	L _{A800}	L _{B12}
5601	L _{A801}	L _{B12}
5602	L _{A802}	L _{B12}
5603	L _{A803}	L _{B12}
5604	L _{A804}	L _{B12}
5605	L _{A805}	L _{B12}
5606	L _{A806}	L _{B12}
5607	L _{A807}	L _{B12}
5608	L _{A808}	L _{B12}
5609	L _{A809}	L _{B12}
5610	L _{A810}	L _{B12}
5611	L _{A811}	L _{B12}
5612	L _{A812}	L _{B12}
5613	L _{A813}	L _{B12}
5614	L _{A814}	L _{B12}
5615	L _{A815}	L _{B12}
5616	L _{A816}	L _{B12}
5617	L _{A817}	L _{B12}
5618	L _{A818}	L _{B12}
5619	L _{A819}	L _{B12}
5620	L _{A820}	L _{B12}
5621	L _{A821}	L _{B12}
5622	L _{A822}	L _{B12}
5623	L _{A823}	L _{B12}
5624	L _{A824}	L _{B12}
5625	L _{A825}	L _{B12}
5626	L _{A826}	L _{B12}
5627	L _{A827}	L _{B12}
5628	L _{A828}	L _{B12}
5629	L _{A829}	L _{B12}
5630	L _{A830}	L _{B12}
5631	L _{A831}	L _{B12}
5632	L _{A832}	L _{B12}
5633	L _{A833}	L _{B12}
5634	L _{A834}	L _{B12}
5635	L _{A835}	L _{B12}
5636	L _{A836}	L _{B12}
5637	L _{A837}	L _{B12}
5638	L _{A838}	L _{B12}
5639	L _{A839}	L _{B12}
5640	L _{A840}	L _{B12}
5641	L _{A841}	L _{B12}
5642	L _{A842}	L _{B12}
5643	L _{A843}	L _{B12}
5644	L _{A844}	L _{B12}
5645	L _{A845}	L _{B12}
5646	L _{A846}	L _{B12}

-continued

Compound Number	L _A	L _B
5647	L _{A847}	L _{B12}
5648	L _{A848}	L _{B12}
5649	L _{A849}	L _{B12}
5650	L _{A850}	L _{B12}
5651	L _{A851}	L _{B12}
5652	L _{A852}	L _{B12}
5653	L _{A853}	L _{B12}
5654	L _{A854}	L _{B12}
5655	L _{A855}	L _{B12}
5656	L _{A856}	L _{B12}
5657	L _{A857}	L _{B12}
5658	L _{A858}	L _{B12}
5659	L _{A859}	L _{B12}
5660	L _{A860}	L _{B12}
5661	L _{A861}	L _{B12}
5662	L _{A862}	L _{B12}
5663	L _{A863}	L _{B12}
5664	L _{A864}	L _{B12}
5665	L _{A865}	L _{B12}
5666	L _{A866}	L _{B12}
5667	L _{A867}	L _{B12}
5668	L _{A868}	L _{B12}
5669	L _{A869}	L _{B12}
5670	L _{A870}	L _{B12}
5671	L _{A871}	L _{B12}
5672	L _{A872}	L _{B12}
5673	L _{A873}	L _{B12}
5674	L _{A874}	L _{B12}
5675	L _{A875}	L _{B12}
5676	L _{A876}	L _{B12}
5677	L _{A877}	L _{B12}
5678	L _{A878}	L _{B12}
5679	L _{A879}	L _{B12}
5680	L _{A880}	L _{B12}
5681	L _{A881}	L _{B12}
5682	L _{A882}	L _{B12}
5683	L _{A883}	L _{B12}
5684	L _{A884}	L _{B12}
5685	L _{A885}	L _{B12}
5686	L _{A886}	L _{B12}
5687	L _{A887}	L _{B12}
5688	L _{A888}	L _{B12}
5689	L _{A889}	L _{B12}
5690	L _{A890}	L _{B12}
5691	L _{A891}	L _{B12}
5692	L _{A892}	L _{B12}
5693	L _{A893}	L _{B12}
5694	L _{A894}	L _{B12}
5695	L _{A895}	L _{B12}
5696	L _{A896}	L _{B12}
5697	L _{A897}	L _{B12}
5698	L _{A898}	L _{B12}
5699	L _{A899}	L _{B12}
5700	L _{A900}	L _{B12}
5701	L _{A901}	L _{B12}
5702	L _{A902}	L _{B12}
5703	L _{A903}	L _{B12}
5704	L _{A904}	L _{B12}
5705	L _{A905}	L _{B12}
5706	L _{A906}	L _{B12}
5707	L _{A907}	L _{B12}
5708	L _{A908}	L _{B12}
5709	L _{A909}	L _{B12}
5710	L _{A910}	L _{B12}
5711	L _{A911}	L _{B12}
5712	L _{A912}	L _{B12}
5713	L _{A913}	L _{B12}
5714	L _{A914}	L _{B12}
5715	L _{A915}	L _{B12}
5716	L _{A916}	L _{B12}
5717	L _{A917}	L _{B12}
5718	L _{A918}	L _{B12}
5719	L _{A919}	L _{B12}

-continued

Compound Number	L _A	L _B
5720	L _{A920}	L _{B12}
5721	L _{A921}	L _{B12}
5722	L _{A922}	L _{B12}
5723	L _{A923}	L _{B12}
5724	L _{A924}	L _{B12}
5725	L _{A925}	L _{B12}
5726	L _{A926}	L _{B12}
5727	L _{A927}	L _{B12}
5728	L _{A928}	L _{B12}
5729	L _{A929}	L _{B12}
5730	L _{A930}	L _{B12}
5731	L _{A931}	L _{B12}
5732	L _{A932}	L _{B12}
5733	L _{A933}	L _{B12}
5734	L _{A934}	L _{B12}
5735	L _{A935}	L _{B12}
5736	L _{A936}	L _{B12}
5737	L _{A937}	L _{B12}
5738	L _{A938}	L _{B12}
5739	L _{A939}	L _{B12}
5740	L _{A940}	L _{B12}
5741	L _{A941}	L _{B12}
5742	L _{A942}	L _{B12}
5743	L _{A943}	L _{B12}
5744	L _{A944}	L _{B12}
5745	L _{A945}	L _{B12}
5746	L _{A946}	L _{B12}
5747	L _{A947}	L _{B12}
5748	L _{A948}	L _{B12}
5749	L _{A949}	L _{B12}
5750	L _{A950}	L _{B12}
5751	L _{A951}	L _{B12}
5752	L _{A952}	L _{B12}
5753	L _{A953}	L _{B12}
5754	L _{A954}	L _{B12}
5755	L _{A955}	L _{B12}
5756	L _{A956}	L _{B12}
5757	L _{A957}	L _{B12}
5758	L _{A958}	L _{B12}
5759	L _{A959}	L _{B12}
5760	L _{A960}	L _{B12}

19. The compound of claim 16, wherein the compound has formula VI:



and is selected from the group consisting of compound 5761 to compound 7680 listed in the table below:

Compound Number	L _A	L _B
5761	L _{A1}	L _{B42}
5762	L _{A2}	L _{B42}
5763	L _{A3}	L _{B42}
5764	L _{A4}	L _{B42}
5765	L _{A5}	L _{B42}
5766	L _{A6}	L _{B42}
5767	L _{A7}	L _{B42}
5768	L _{A8}	L _{B42}
5769	L _{A9}	L _{B42}
5770	L _{A10}	L _{B42}
5771	L _{A11}	L _{B42}
5772	L _{A12}	L _{B42}
5773	L _{A13}	L _{B42}
5774	L _{A14}	L _{B42}
5775	L _{A15}	L _{B42}
5776	L _{A16}	L _{B42}
5777	L _{A17}	L _{B42}
5778	L _{A18}	L _{B42}

-continued

Compound Number	L _A	L _B
5779	L _{A19}	L _{B42}
5780	L _{A20}	L _{B42}
5781	L _{A21}	L _{B42}
5782	L _{A22}	L _{B42}
5783	L _{A23}	L _{B42}
5784	L _{A24}	L _{B42}
5785	L _{A25}	L _{B42}
5786	L _{A26}	L _{B42}
5787	L _{A27}	L _{B42}
5788	L _{A28}	L _{B42}
5789	L _{A29}	L _{B42}
5790	L _{A30}	L _{B42}
5791	L _{A31}	L _{B42}
5792	L _{A32}	L _{B42}
5793	L _{A33}	L _{B42}
5794	L _{A34}	L _{B42}
5795	L _{A35}	L _{B42}
5796	L _{A36}	L _{B42}
5797	L _{A37}	L _{B42}
5798	L _{A38}	L _{B42}
5799	L _{A39}	L _{B42}
5800	L _{A40}	L _{B42}
5801	L _{A41}	L _{B42}
5802	L _{A42}	L _{B42}
5803	L _{A43}	L _{B42}
5804	L _{A44}	L _{B42}
5805	L _{A45}	L _{B42}
5806	L _{A46}	L _{B42}
5807	L _{A47}	L _{B42}
5808	L _{A48}	L _{B42}
5809	L _{A49}	L _{B42}
5810	L _{A50}	L _{B42}
5811	L _{A51}	L _{B42}
5812	L _{A52}	L _{B42}
5813	L _{A53}	L _{B42}
5814	L _{A54}	L _{B42}
5815	L _{A55}	L _{B42}
5816	L _{A56}	L _{B42}
5817	L _{A57}	L _{B42}
5818	L _{A58}	L _{B42}
5819	L _{A59}	L _{B42}
5820	L _{A60}	L _{B42}
5821	L _{A61}	L _{B42}
5822	L _{A62}	L _{B42}
5823	L _{A63}	L _{B42}
5824	L _{A64}	L _{B42}
5825	L _{A65}	L _{B42}
5826	L _{A66}	L _{B42}
5827	L _{A67}	L _{B42}
5828	L _{A68}	L _{B42}
5829	L _{A69}	L _{B42}
5830	L _{A70}	L _{B42}
5831	L _{A71}	L _{B42}
5832	L _{A72}	L _{B42}
5833	L _{A73}	L _{B42}
5834	L _{A74}	L _{B42}
5835	L _{A75}	L _{B42}
5836	L _{A76}	L _{B42}
5837	L _{A77}	L _{B42}
5838	L _{A78}	L _{B42}
5839	L _{A79}	L _{B42}
5840	L _{A80}	L _{B42}
5841	L _{A81}	L _{B42}
5842	L _{A82}	L _{B42}
5843	L _{A83}	L _{B42}
5844	L _{A84}	L _{B42}
5845	L _{A85}	L _{B42}
5846	L _{A86}	L _{B42}
5847	L _{A87}	L _{B42}
5848	L _{A88}	L _{B42}
5849	L _{A89}	L _{B42}
5850	L _{A90}	L _{B42}
5851	L _{A91}	L _{B42}

-continued

Compound Number	L _A	L _B
5852	L _{A92}	L _{B42}
5853	L _{A93}	L _{B42}
5854	L _{A94}	L _{B42}
5855	L _{A95}	L _{B42}
5856	L _{A96}	L _{B42}
5857	L _{A97}	L _{B42}
5858	L _{A98}	L _{B42}
5859	L _{A99}	L _{B42}
5860	L _{A100}	L _{B42}
5861	L _{A101}	L _{B42}
5862	L _{A102}	L _{B42}
5863	L _{A103}	L _{B42}
5864	L _{A104}	L _{B42}
5865	L _{A105}	L _{B42}
5866	L _{A106}	L _{B42}
5867	L _{A107}	L _{B42}
5868	L _{A108}	L _{B42}
5869	L _{A109}	L _{B42}
5870	L _{A110}	L _{B42}
5871	L _{A111}	L _{B42}
5872	L _{A112}	L _{B42}
5873	L _{A113}	L _{B42}
5874	L _{A114}	L _{B42}
5875	L _{A115}	L _{B42}
5876	L _{A116}	L _{B42}
5877	L _{A117}	L _{B42}
5878	L _{A118}	L _{B42}
5879	L _{A119}	L _{B42}
5880	L _{A120}	L _{B42}
5881	L _{A121}	L _{B42}
5882	L _{A122}	L _{B42}
5883	L _{A123}	L _{B42}
5884	L _{A124}	L _{B42}
5885	L _{A125}	L _{B42}
5886	L _{A126}	L _{B42}
5887	L _{A127}	L _{B42}
5888	L _{A128}	L _{B42}
5889	L _{A129}	L _{B42}
5890	L _{A130}	L _{B42}
5891	L _{A131}	L _{B42}
5892	L _{A132}	L _{B42}
5893	L _{A133}	L _{B42}
5894	L _{A134}	L _{B42}
5895	L _{A135}	L _{B42}
5896	L _{A136}	L _{B42}
5897	L _{A137}	L _{B42}
5898	L _{A138}	L _{B42}
5899	L _{A139}	L _{B42}
5900	L _{A140}	L _{B42}
5901	L _{A141}	L _{B42}
5902	L _{A142}	L _{B42}
5903	L _{A143}	L _{B42}
5904	L _{A144}	L _{B42}
5905	L _{A145}	L _{B42}
5906	L _{A146}	L _{B42}
5907	L _{A147}	L _{B42}
5908	L _{A148}	L _{B42}
5909	L _{A149}	L _{B42}
5910	L _{A150}	L _{B42}
5911	L _{A151}	L _{B42}
5912	L _{A152}	L _{B42}
5913	L _{A153}	L _{B42}
5914	L _{A154}	L _{B42}
5915	L _{A155}	L _{B42}
5916	L _{A156}	L _{B42}
5917	L _{A157}	L _{B42}
5918	L _{A158}	L _{B42}
5919	L _{A159}	L _{B42}
5920	L _{A160}	L _{B42}
5921	L _{A161}	L _{B42}
5922	L _{A162}	L _{B42}
5923	L _{A163}	L _{B42}
5924	L _{A164}	L _{B42}

-continued

Compound Number	L _A	L _B
5925	L _{A165}	L _{B42}
5926	L _{A166}	L _{B42}
5927	L _{A167}	L _{B42}
5928	L _{A168}	L _{B42}
5929	L _{A169}	L _{B42}
5930	L _{A170}	L _{B42}
5931	L _{A171}	L _{B42}
5932	L _{A172}	L _{B42}
5933	L _{A173}	L _{B42}
5934	L _{A174}	L _{B42}
5935	L _{A175}	L _{B42}
5936	L _{A176}	L _{B42}
5937	L _{A177}	L _{B42}
5938	L _{A178}	L _{B42}
5939	L _{A179}	L _{B42}
5940	L _{A180}	L _{B42}
5941	L _{A181}	L _{B42}
5942	L _{A182}	L _{B42}
5943	L _{A183}	L _{B42}
5944	L _{A184}	L _{B42}
5945	L _{A185}	L _{B42}
5946	L _{A186}	L _{B42}
5947	L _{A187}	L _{B42}
5948	L _{A188}	L _{B42}
5949	L _{A189}	L _{B42}
5950	L _{A190}	L _{B42}
5951	L _{A191}	L _{B42}
5952	L _{A192}	L _{B42}
5953	L _{A193}	L _{B42}
5954	L _{A194}	L _{B42}
5955	L _{A195}	L _{B42}
5956	L _{A196}	L _{B42}
5957	L _{A197}	L _{B42}
5958	L _{A198}	L _{B42}
5959	L _{A199}	L _{B42}
5960	L _{A200}	L _{B42}
5961	L _{A201}	L _{B42}
5962	L _{A202}	L _{B42}
5963	L _{A203}	L _{B42}
5964	L _{A204}	L _{B42}
5965	L _{A205}	L _{B42}
5966	L _{A206}	L _{B42}
5967	L _{A207}	L _{B42}
5968	L _{A208}	L _{B42}
5969	L _{A209}	L _{B42}
5970	L _{A210}	L _{B42}
5971	L _{A211}	L _{B42}
5972	L _{A212}	L _{B42}
5973	L _{A213}	L _{B42}
5974	L _{A214}	L _{B42}
5975	L _{A215}	L _{B42}
5976	L _{A216}	L _{B42}
5977	L _{A217}	L _{B42}
5978	L _{A218}	L _{B42}
5979	L _{A219}	L _{B42}
5980	L _{A220}	L _{B42}
5981	L _{A221}	L _{B42}
5982	L _{A222}	L _{B42}
5983	L _{A223}	L _{B42}
5984	L _{A224}	L _{B42}
5985	L _{A225}	L _{B42}
5986	L _{A226}	L _{B42}
5987	L _{A227}	L _{B42}
5988	L _{A228}	L _{B42}
5989	L _{A229}	L _{B42}
5990	L _{A230}	L _{B42}
5991	L _{A231}	L _{B42}
5992	L _{A232}	L _{B42}
5993	L _{A233}	L _{B42}
5994	L _{A234}	L _{B42}
5995	L _{A235}	L _{B42}
5996	L _{A236}	L _{B42}
5997	L _{A237}	L _{B42}

-continued

Compound Number	L _A	L _B
5998	L _{A238}	L _{B42}
5999	L _{A239}	L _{B42}
6000	L _{A240}	L _{B42}
6001	L _{A241}	L _{B42}
6002	L _{A242}	L _{B42}
6003	L _{A243}	L _{B42}
6004	L _{A244}	L _{B42}
6005	L _{A245}	L _{B42}
6006	L _{A246}	L _{B42}
6007	L _{A247}	L _{B42}
6008	L _{A248}	L _{B42}
6009	L _{A249}	L _{B42}
6010	L _{A250}	L _{B42}
6011	L _{A251}	L _{B42}
6012	L _{A252}	L _{B42}
6013	L _{A253}	L _{B42}
6014	L _{A254}	L _{B42}
6015	L _{A255}	L _{B42}
6016	L _{A256}	L _{B42}
6017	L _{A257}	L _{B42}
6018	L _{A258}	L _{B42}
6019	L _{A259}	L _{B42}
6020	L _{A260}	L _{B42}
6021	L _{A261}	L _{B42}
6022	L _{A262}	L _{B42}
6023	L _{A263}	L _{B42}
6024	L _{A264}	L _{B42}
6025	L _{A265}	L _{B42}
6026	L _{A266}	L _{B42}
6027	L _{A267}	L _{B42}
6028	L _{A268}	L _{B42}
6029	L _{A269}	L _{B42}
6030	L _{A270}	L _{B42}
6031	L _{A271}	L _{B42}
6032	L _{A272}	L _{B42}
6033	L _{A273}	L _{B42}
6034	L _{A274}	L _{B42}
6035	L _{A275}	L _{B42}
6036	L _{A276}	L _{B42}
6037	L _{A277}	L _{B42}
6038	L _{A278}	L _{B42}
6039	L _{A279}	L _{B42}
6040	L _{A280}	L _{B42}
6041	L _{A281}	L _{B42}
6042	L _{A282}	L _{B42}
6043	L _{A283}	L _{B42}
6044	L _{A284}	L _{B42}
6045	L _{A285}	L _{B42}
6046	L _{A286}	L _{B42}
6047	L _{A287}	L _{B42}
6048	L _{A288}	L _{B42}
6049	L _{A289}	L _{B42}
6050	L _{A290}	L _{B42}
6051	L _{A291}	L _{B42}
6052	L _{A292}	L _{B42}
6053	L _{A293}	L _{B42}
6054	L _{A294}	L _{B42}
6055	L _{A295}	L _{B42}
6056	L _{A296}	L _{B42}
6057	L _{A297}	L _{B42}
6058	L _{A298}	L _{B42}
6059	L _{A299}	L _{B42}
6060	L _{A300}	L _{B42}
6061	L _{A301}	L _{B42}
6062	L _{A302}	L _{B42}
6063	L _{A303}	L _{B42}
6064	L _{A304}	L _{B42}
6065	L _{A305}	L _{B42}
6066	L _{A306}	L _{B42}
6067	L _{A307}	L _{B42}
6068	L _{A308}	L _{B42}
6069	L _{A309}	L _{B42}
6070	L _{A310}	L _{B42}

-continued

Compound Number	L _A	L _B
6071	L _{A311}	L _{B42}
6072	L _{A312}	L _{B42}
6073	L _{A313}	L _{B42}
6074	L _{A314}	L _{B42}
6075	L _{A315}	L _{B42}
6076	L _{A316}	L _{B42}
6077	L _{A317}	L _{B42}
6078	L _{A318}	L _{B42}
6079	L _{A319}	L _{B42}
6080	L _{A320}	L _{B42}
6081	L _{A321}	L _{B42}
6082	L _{A322}	L _{B42}
6083	L _{A323}	L _{B42}
6084	L _{A324}	L _{B42}
6085	L _{A325}	L _{B42}
6086	L _{A326}	L _{B42}
6087	L _{A327}	L _{B42}
6088	L _{A328}	L _{B42}
6089	L _{A329}	L _{B42}
6090	L _{A330}	L _{B42}
6091	L _{A331}	L _{B42}
6092	L _{A332}	L _{B42}
6093	L _{A333}	L _{B42}
6094	L _{A334}	L _{B42}
6095	L _{A335}	L _{B42}
6096	L _{A336}	L _{B42}
6097	L _{A337}	L _{B42}
6098	L _{A338}	L _{B42}
6099	L _{A339}	L _{B42}
6100	L _{A340}	L _{B42}
6101	L _{A341}	L _{B42}
6102	L _{A342}	L _{B42}
6103	L _{A343}	L _{B42}
6104	L _{A344}	L _{B42}
6105	L _{A345}	L _{B42}
6106	L _{A346}	L _{B42}
6107	L _{A347}	L _{B42}
6108	L _{A348}	L _{B42}
6109	L _{A349}	L _{B42}
6110	L _{A350}	L _{B42}
6111	L _{A351}	L _{B42}
6112	L _{A352}	L _{B42}
6113	L _{A353}	L _{B42}
6114	L _{A354}	L _{B42}
6115	L _{A355}	L _{B42}
6116	L _{A356}	L _{B42}
6117	L _{A357}	L _{B42}
6118	L _{A358}	L _{B42}
6119	L _{A359}	L _{B42}
6120	L _{A360}	L _{B42}
6121	L _{A361}	L _{B42}
6122	L _{A362}	L _{B42}
6123	L _{A363}	L _{B42}
6124	L _{A364}	L _{B42}
6125	L _{A365}	L _{B42}
6126	L _{A366}	L _{B42}
6127	L _{A367}	L _{B42}
6128	L _{A368}	L _{B42}
6129	L _{A369}	L _{B42}
6130	L _{A370}	L _{B42}
6131	L _{A371}	L _{B42}
6132	L _{A372}	L _{B42}
6133	L _{A373}	L _{B42}
6134	L _{A374}	L _{B42}
6135	L _{A375}	L _{B42}
6136	L _{A376}	L _{B42}
6137	L _{A377}	L _{B42}
6138	L _{A378}	L _{B42}
6139	L _{A379}	L _{B42}
6140	L _{A380}	L _{B42}
6141	L _{A381}	L _{B42}
6142	L _{A382}	L _{B42}
6143	L _{A383}	L _{B42}

-continued

Compound Number	L _A	L _B
6144	L _{A384}	L _{B42}
6145	L _{A385}	L _{B42}
6146	L _{A386}	L _{B42}
6147	L _{A387}	L _{B42}
6148	L _{A388}	L _{B42}
6149	L _{A389}	L _{B42}
6150	L _{A390}	L _{B42}
6151	L _{A391}	L _{B42}
6152	L _{A392}	L _{B42}
6153	L _{A393}	L _{B42}
6154	L _{A394}	L _{B42}
6155	L _{A395}	L _{B42}
6156	L _{A396}	L _{B42}
6157	L _{A397}	L _{B42}
6158	L _{A398}	L _{B42}
6159	L _{A399}	L _{B42}
6160	L _{A400}	L _{B42}
6161	L _{A401}	L _{B42}
6162	L _{A402}	L _{B42}
6163	L _{A403}	L _{B42}
6164	L _{A404}	L _{B42}
6165	L _{A405}	L _{B42}
6166	L _{A406}	L _{B42}
6167	L _{A407}	L _{B42}
6168	L _{A408}	L _{B42}
6169	L _{A409}	L _{B42}
6170	L _{A410}	L _{B42}
6171	L _{A411}	L _{B42}
6172	L _{A412}	L _{B42}
6173	L _{A413}	L _{B42}
6174	L _{A414}	L _{B42}
6175	L _{A415}	L _{B42}
6176	L _{A416}	L _{B42}
6177	L _{A417}	L _{B42}
6178	L _{A418}	L _{B42}
6179	L _{A419}	L _{B42}
6180	L _{A420}	L _{B42}
6181	L _{A421}	L _{B42}
6182	L _{A422}	L _{B42}
6183	L _{A423}	L _{B42}
6184	L _{A424}	L _{B42}
6185	L _{A425}	L _{B42}
6186	L _{A426}	L _{B42}
6187	L _{A427}	L _{B42}
6188	L _{A428}	L _{B42}
6189	L _{A429}	L _{B42}
6190	L _{A430}	L _{B42}
6191	L _{A431}	L _{B42}
6192	L _{A432}	L _{B42}
6193	L _{A433}	L _{B42}
6194	L _{A434}	L _{B42}
6195	L _{A435}	L _{B42}
6196	L _{A436}	L _{B42}
6197	L _{A437}	L _{B42}
6198	L _{A438}	L _{B42}
6199	L _{A439}	L _{B42}
6200	L _{A440}	L _{B42}
6201	L _{A441}	L _{B42}
6202	L _{A442}	L _{B42}
6203	L _{A443}	L _{B42}
6204	L _{A444}	L _{B42}
6205	L _{A445}	L _{B42}
6206	L _{A446}	L _{B42}
6207	L _{A447}	L _{B42}
6208	L _{A448}	L _{B42}
6209	L _{A449}	L _{B42}
6210	L _{A450}	L _{B42}
6211	L _{A451}	L _{B42}
6212	L _{A452}	L _{B42}
6213	L _{A453}	L _{B42}
6214	L _{A454}	L _{B42}
6215	L _{A455}	L _{B42}
6216	L _{A456}	L _{B42}

-continued

Compound Number	L _A	L _B
6217	L _{A457}	L _{B42}
6218	L _{A458}	L _{B42}
6219	L _{A459}	L _{B42}
6220	L _{A460}	L _{B42}
6221	L _{A461}	L _{B42}
6222	L _{A462}	L _{B42}
6223	L _{A463}	L _{B42}
6224	L _{A464}	L _{B42}
6225	L _{A465}	L _{B42}
6226	L _{A466}	L _{B42}
6227	L _{A467}	L _{B42}
6228	L _{A468}	L _{B42}
6229	L _{A469}	L _{B42}
6230	L _{A470}	L _{B42}
6231	L _{A471}	L _{B42}
6232	L _{A472}	L _{B42}
6233	L _{A473}	L _{B42}
6234	L _{A474}	L _{B42}
6235	L _{A475}	L _{B42}
6236	L _{A476}	L _{B42}
6237	L _{A477}	L _{B42}
6238	L _{A478}	L _{B42}
6239	L _{A479}	L _{B42}
6240	L _{A480}	L _{B42}
6241	L _{A481}	L _{B42}
6242	L _{A482}	L _{B42}
6243	L _{A483}	L _{B42}
6244	L _{A484}	L _{B42}
6245	L _{A485}	L _{B42}
6246	L _{A486}	L _{B42}
6247	L _{A487}	L _{B42}
6248	L _{A488}	L _{B42}
6249	L _{A489}	L _{B42}
6250	L _{A490}	L _{B42}
6251	L _{A491}	L _{B42}
6252	L _{A492}	L _{B42}
6253	L _{A493}	L _{B42}
6254	L _{A494}	L _{B42}
6255	L _{A495}	L _{B42}
6256	L _{A496}	L _{B42}
6257	L _{A497}	L _{B42}
6258	L _{A498}	L _{B42}
6259	L _{A499}	L _{B42}
6260	L _{A500}	L _{B42}
6261	L _{A501}	L _{B42}
6262	L _{A502}	L _{B42}
6263	L _{A503}	L _{B42}
6264	L _{A504}	L _{B42}
6265	L _{A505}	L _{B42}
6266	L _{A506}	L _{B42}
6267	L _{A507}	L _{B42}
6268	L _{A508}	L _{B42}
6269	L _{A509}	L _{B42}
6270	L _{A510}	L _{B42}
6271	L _{A511}	L _{B42}
6272	L _{A512}	L _{B42}
6273	L _{A513}	L _{B42}
6274	L _{A514}	L _{B42}
6275	L _{A515}	L _{B42}
6276	L _{A516}	L _{B42}
6277	L _{A517}	L _{B42}
6278	L _{A518}	L _{B42}
6279	L _{A519}	L _{B42}
6280	L _{A520}	L _{B42}
6281	L _{A521}	L _{B42}
6282	L _{A522}	L _{B42}
6283	L _{A523}	L _{B42}
6284	L _{A524}	L _{B42}
6285	L _{A525}	L _{B42}
6286	L _{A526}	L _{B42}
6287	L _{A527}	L _{B42}
6288	L _{A528}	L _{B42}
6289	L _{A529}	L _{B42}

-continued

Compound Number	L _A	L _B
6290	L _{A530}	L _{B42}
6291	L _{A531}	L _{B42}
6292	L _{A532}	L _{B42}
6293	L _{A533}	L _{B42}
6294	L _{A534}	L _{B42}
6295	L _{A535}	L _{B42}
6296	L _{A536}	L _{B42}
6297	L _{A537}	L _{B42}
6298	L _{A538}	L _{B42}
6299	L _{A539}	L _{B42}
6300	L _{A540}	L _{B42}
6301	L _{A541}	L _{B42}
6302	L _{A542}	L _{B42}
6303	L _{A543}	L _{B42}
6304	L _{A544}	L _{B42}
6305	L _{A545}	L _{B42}
6306	L _{A546}	L _{B42}
6307	L _{A547}	L _{B42}
6308	L _{A548}	L _{B42}
6309	L _{A549}	L _{B42}
6310	L _{A550}	L _{B42}
6311	L _{A551}	L _{B42}
6312	L _{A552}	L _{B42}
6313	L _{A553}	L _{B42}
6314	L _{A554}	L _{B42}
6315	L _{A555}	L _{B42}
6316	L _{A556}	L _{B42}
6317	L _{A557}	L _{B42}
6318	L _{A558}	L _{B42}
6319	L _{A559}	L _{B42}
6320	L _{A560}	L _{B42}
6321	L _{A561}	L _{B42}
6322	L _{A562}	L _{B42}
6323	L _{A563}	L _{B42}
6324	L _{A564}	L _{B42}
6325	L _{A565}	L _{B42}
6326	L _{A566}	L _{B42}
6327	L _{A567}	L _{B42}
6328	L _{A568}	L _{B42}
6329	L _{A569}	L _{B42}
6330	L _{A570}	L _{B42}
6331	L _{A571}	L _{B42}
6332	L _{A572}	L _{B42}
6333	L _{A573}	L _{B42}
6334	L _{A574}	L _{B42}
6335	L _{A575}	L _{B42}
6336	L _{A576}	L _{B42}
6337	L _{A577}	L _{B42}
6338	L _{A578}	L _{B42}
6339	L _{A579}	L _{B42}
6340	L _{A580}	L _{B42}
6341	L _{A581}	L _{B42}
6342	L _{A582}	L _{B42}
6343	L _{A583}	L _{B42}
6344	L _{A584}	L _{B42}
6345	L _{A585}	L _{B42}
6346	L _{A586}	L _{B42}
6347	L _{A587}	L _{B42}
6348	L _{A588}	L _{B42}
6349	L _{A589}	L _{B42}
6350	L _{A590}	L _{B42}
6351	L _{A591}	L _{B42}
6352	L _{A592}	L _{B42}
6353	L _{A593}	L _{B42}
6354	L _{A594}	L _{B42}
6355	L _{A595}	L _{B42}
6356	L _{A596}	L _{B42}
6357	L _{A597}	L _{B42}
6358	L _{A598}	L _{B42}
6359	L _{A599}	L _{B42}
6360	L _{A600}	L _{B42}
6361	L _{A601}	L _{B42}
6362	L _{A602}	L _{B42}

-continued

Compound Number	L _A	L _B
6363	L _{A603}	L _{B42}
6364	L _{A604}	L _{B42}
6365	L _{A605}	L _{B42}
6366	L _{A606}	L _{B42}
6367	L _{A607}	L _{B42}
6368	L _{A608}	L _{B42}
6369	L _{A609}	L _{B42}
6370	L _{A610}	L _{B42}
6371	L _{A611}	L _{B42}
6372	L _{A612}	L _{B42}
6373	L _{A613}	L _{B42}
6374	L _{A614}	L _{B42}
6375	L _{A615}	L _{B42}
6376	L _{A616}	L _{B42}
6377	L _{A617}	L _{B42}
6378	L _{A618}	L _{B42}
6379	L _{A619}	L _{B42}
6380	L _{A620}	L _{B42}
6381	L _{A621}	L _{B42}
6382	L _{A622}	L _{B42}
6383	L _{A623}	L _{B42}
6384	L _{A624}	L _{B42}
6385	L _{A625}	L _{B42}
6386	L _{A626}	L _{B42}
6387	L _{A627}	L _{B42}
6388	L _{A628}	L _{B42}
6389	L _{A629}	L _{B42}
6390	L _{A630}	L _{B42}
6391	L _{A631}	L _{B42}
6392	L _{A632}	L _{B42}
6393	L _{A633}	L _{B42}
6394	L _{A634}	L _{B42}
6395	L _{A635}	L _{B42}
6396	L _{A636}	L _{B42}
6397	L _{A637}	L _{B42}
6398	L _{A638}	L _{B42}
6399	L _{A639}	L _{B42}
6400	L _{A640}	L _{B42}
6401	L _{A641}	L _{B42}
6402	L _{A642}	L _{B42}
6403	L _{A643}	L _{B42}
6404	L _{A644}	L _{B42}
6405	L _{A645}	L _{B42}
6406	L _{A646}	L _{B42}
6407	L _{A647}	L _{B42}
6408	L _{A648}	L _{B42}
6409	L _{A649}	L _{B42}
6410	L _{A650}	L _{B42}
6411	L _{A651}	L _{B42}
6412	L _{A652}	L _{B42}
6413	L _{A653}	L _{B42}
6414	L _{A654}	L _{B42}
6415	L _{A655}	L _{B42}
6416	L _{A656}	L _{B42}
6417	L _{A657}	L _{B42}
6418	L _{A658}	L _{B42}
6419	L _{A659}	L _{B42}
6420	L _{A660}	L _{B42}
6421	L _{A661}	L _{B42}
6422	L _{A662}	L _{B42}
6423	L _{A663}	L _{B42}
6424	L _{A664}	L _{B42}
6425	L _{A665}	L _{B42}
6426	L _{A666}	L _{B42}
6427	L _{A667}	L _{B42}
6428	L _{A668}	L _{B42}
6429	L _{A669}	L _{B42}
6430	L _{A670}	L _{B42}
6431	L _{A671}	L _{B42}
6432	L _{A672}	L _{B42}
6433	L _{A673}	L _{B42}
6434	L _{A674}	L _{B42}
6435	L _{A675}	L _{B42}

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Compound Number	L _A	L _B
6436	L _{A676}	L _{B42}
6437	L _{A677}	L _{B42}
6438	L _{A678}	L _{B42}
6439	L _{A679}	L _{B42}
6440	L _{A680}	L _{B42}
6441	L _{A681}	L _{B42}
6442	L _{A682}	L _{B42}
6443	L _{A683}	L _{B42}
6444	L _{A684}	L _{B42}
6445	L _{A685}	L _{B42}
6446	L _{A686}	L _{B42}
6447	L _{A687}	L _{B42}
6448	L _{A688}	L _{B42}
6449	L _{A689}	L _{B42}
6450	L _{A690}	L _{B42}
6451	L _{A691}	L _{B42}
6452	L _{A692}	L _{B42}
6453	L _{A693}	L _{B42}
6454	L _{A694}	L _{B42}
6455	L _{A695}	L _{B42}
6456	L _{A696}	L _{B42}
6457	L _{A697}	L _{B42}
6458	L _{A698}	L _{B42}
6459	L _{A699}	L _{B42}
6460	L _{A700}	L _{B42}
6461	L _{A701}	L _{B42}
6462	L _{A702}	L _{B42}
6463	L _{A703}	L _{B42}
6464	L _{A704}	L _{B42}
6465	L _{A705}	L _{B42}
6466	L _{A706}	L _{B42}
6467	L _{A707}	L _{B42}
6468	L _{A708}	L _{B42}
6469	L _{A709}	L _{B42}
6470	L _{A710}	L _{B42}
6471	L _{A711}	L _{B42}
6472	L _{A712}	L _{B42}
6473	L _{A713}	L _{B42}
6474	L _{A714}	L _{B42}
6475	L _{A715}	L _{B42}
6476	L _{A716}	L _{B42}
6477	L _{A717}	L _{B42}
6478	L _{A718}	L _{B42}
6479	L _{A719}	L _{B42}
6480	L _{A720}	L _{B42}
6481	L _{A721}	L _{B42}
6482	L _{A722}	L _{B42}
6483	L _{A723}	L _{B42}
6484	L _{A724}	L _{B42}
6485	L _{A725}	L _{B42}
6486	L _{A726}	L _{B42}
6487	L _{A727}	L _{B42}
6488	L _{A728}	L _{B42}
6489	L _{A729}	L _{B42}
6490	L _{A730}	L _{B42}
6491	L _{A731}	L _{B42}
6492	L _{A732}	L _{B42}
6493	L _{A733}	L _{B42}
6494	L _{A734}	L _{B42}
6495	L _{A735}	L _{B42}
6496	L _{A736}	L _{B42}
6497	L _{A737}	L _{B42}
6498	L _{A738}	L _{B42}
6499	L _{A739}	L _{B42}
6500	L _{A740}	L _{B42}
6501	L _{A741}	L _{B42}
6502	L _{A742}	L _{B42}
6503	L _{A743}	L _{B42}
6504	L _{A744}	L _{B42}
6505	L _{A745}	L _{B42}
6506	L _{A746}	L _{B42}
6507	L _{A747}	L _{B42}
6508	L _{A748}	L _{B42}

-continued

Compound Number	L _A	L _B
6509	L _{A749}	L _{B42}
6510	L _{A750}	L _{B42}
6511	L _{A751}	L _{B42}
6512	L _{A752}	L _{B42}
6513	L _{A753}	L _{B42}
6514	L _{A754}	L _{B42}
6515	L _{A755}	L _{B42}
6516	L _{A756}	L _{B42}
6517	L _{A757}	L _{B42}
6518	L _{A758}	L _{B42}
6519	L _{A759}	L _{B42}
6520	L _{A760}	L _{B42}
6521	L _{A761}	L _{B42}
6522	L _{A762}	L _{B42}
6523	L _{A763}	L _{B42}
6524	L _{A764}	L _{B42}
6525	L _{A765}	L _{B42}
6526	L _{A766}	L _{B42}
6527	L _{A767}	L _{B42}
6528	L _{A768}	L _{B42}
6529	L _{A769}	L _{B42}
6530	L _{A770}	L _{B42}
6531	L _{A771}	L _{B42}
6532	L _{A772}	L _{B42}
6533	L _{A773}	L _{B42}
6534	L _{A774}	L _{B42}
6535	L _{A775}	L _{B42}
6536	L _{A776}	L _{B42}
6537	L _{A777}	L _{B42}
6538	L _{A778}	L _{B42}
6539	L _{A779}	L _{B42}
6540	L _{A780}	L _{B42}
6541	L _{A781}	L _{B42}
6542	L _{A782}	L _{B42}
6543	L _{A783}	L _{B42}
6544	L _{A784}	L _{B42}
6545	L _{A785}	L _{B42}
6546	L _{A786}	L _{B42}
6547	L _{A787}	L _{B42}
6548	L _{A788}	L _{B42}
6549	L _{A789}	L _{B42}
6550	L _{A790}	L _{B42}
6551	L _{A791}	L _{B42}
6552	L _{A792}	L _{B42}
6553	L _{A793}	L _{B42}
6554	L _{A794}	L _{B42}
6555	L _{A795}	L _{B42}
6556	L _{A796}	L _{B42}
6557	L _{A797}	L _{B42}
6558	L _{A798}	L _{B42}
6559	L _{A799}	L _{B42}
6560	L _{A800}	L _{B42}
6561	L _{A801}	L _{B42}
6562	L _{A802}	L _{B42}
6563	L _{A803}	L _{B42}
6564	L _{A804}	L _{B42}
6565	L _{A805}	L _{B42}
6566	L _{A806}	L _{B42}
6567	L _{A807}	L _{B42}
6568	L _{A808}	L _{B42}
6569	L _{A809}	L _{B42}
6570	L _{A810}	L _{B42}
6571	L _{A811}	L _{B42}
6572	L _{A812}	L _{B42}
6573	L _{A813}	L _{B42}
6574	L _{A814}	L _{B42}
6575	L _{A815}	L _{B42}
6576	L _{A816}	L _{B42}
6577	L _{A817}	L _{B42}
6578	L _{A818}	L _{B42}
6579	L _{A819}	L _{B42}
6580	L _{A820}	L _{B42}
6581	L _{A821}	L _{B42}

-continued

Compound Number	L _A	L _B
6582	L _{A822}	L _{B42}
6583	L _{A823}	L _{B42}
6584	L _{A824}	L _{B42}
6585	L _{A825}	L _{B42}
6586	L _{A826}	L _{B42}
6587	L _{A827}	L _{B42}
6588	L _{A828}	L _{B42}
6589	L _{A829}	L _{B42}
6590	L _{A830}	L _{B42}
6591	L _{A831}	L _{B42}
6592	L _{A832}	L _{B42}
6593	L _{A833}	L _{B42}
6594	L _{A834}	L _{B42}
6595	L _{A835}	L _{B42}
6596	L _{A836}	L _{B42}
6597	L _{A837}	L _{B42}
6598	L _{A838}	L _{B42}
6599	L _{A839}	L _{B42}
6600	L _{A840}	L _{B42}
6601	L _{A841}	L _{B42}
6602	L _{A842}	L _{B42}
6603	L _{A843}	L _{B42}
6604	L _{A844}	L _{B42}
6605	L _{A845}	L _{B42}
6606	L _{A846}	L _{B42}
6607	L _{A847}	L _{B42}
6608	L _{A848}	L _{B42}
6609	L _{A849}	L _{B42}
6610	L _{A850}	L _{B42}
6611	L _{A851}	L _{B42}
6612	L _{A852}	L _{B42}
6613	L _{A853}	L _{B42}
6614	L _{A854}	L _{B42}
6615	L _{A855}	L _{B42}
6616	L _{A856}	L _{B42}
6617	L _{A857}	L _{B42}
6618	L _{A858}	L _{B42}
6619	L _{A859}	L _{B42}
6620	L _{A860}	L _{B42}
6621	L _{A861}	L _{B42}
6622	L _{A862}	L _{B42}
6623	L _{A863}	L _{B42}
6624	L _{A864}	L _{B42}
6625	L _{A865}	L _{B42}
6626	L _{A866}	L _{B42}
6627	L _{A867}	L _{B42}
6628	L _{A868}	L _{B42}
6629	L _{A869}	L _{B42}
6630	L _{A870}	L _{B42}
6631	L _{A871}	L _{B42}
6632	L _{A872}	L _{B42}
6633	L _{A873}	L _{B42}
6634	L _{A874}	L _{B42}
6635	L _{A875}	L _{B42}
6636	L _{A876}	L _{B42}
6637	L _{A877}	L _{B42}
6638	L _{A878}	L _{B42}
6639	L _{A879}	L _{B42}
6640	L _{A880}	L _{B42}
6641	L _{A881}	L _{B42}
6642	L _{A882}	L _{B42}
6643	L _{A883}	L _{B42}
6644	L _{A884}	L _{B42}
6645	L _{A885}	L _{B42}
6646	L _{A886}	L _{B42}
6647	L _{A887}	L _{B42}
6648	L _{A888}	L _{B42}
6649	L _{A889}	L _{B42}
6650	L _{A890}	L _{B42}
6651	L _{A891}	L _{B42}
6652	L _{A892}	L _{B42}
6653	L _{A893}	L _{B42}
6654	L _{A894}	L _{B42}

-continued

Compound Number	L _A	L _B
6655	L _{A895}	L _{B42}
6656	L _{A896}	L _{B42}
6657	L _{A897}	L _{B42}
6658	L _{A898}	L _{B42}
6659	L _{A899}	L _{B42}
6660	L _{A900}	L _{B42}
6661	L _{A901}	L _{B42}
6662	L _{A902}	L _{B42}
6663	L _{A903}	L _{B42}
6664	L _{A904}	L _{B42}
6665	L _{A905}	L _{B42}
6666	L _{A906}	L _{B42}
6667	L _{A907}	L _{B42}
6668	L _{A908}	L _{B42}
6669	L _{A909}	L _{B42}
6670	L _{A910}	L _{B42}
6671	L _{A911}	L _{B42}
6672	L _{A912}	L _{B42}
6673	L _{A913}	L _{B42}
6674	L _{A914}	L _{B42}
6675	L _{A915}	L _{B42}
6676	L _{A916}	L _{B42}
6677	L _{A917}	L _{B42}
6678	L _{A918}	L _{B42}
6679	L _{A919}	L _{B42}
6680	L _{A920}	L _{B42}
6681	L _{A921}	L _{B42}
6682	L _{A922}	L _{B42}
6683	L _{A923}	L _{B42}
6684	L _{A924}	L _{B42}
6685	L _{A925}	L _{B42}
6686	L _{A926}	L _{B42}
6687	L _{A927}	L _{B42}
6688	L _{A928}	L _{B42}
6689	L _{A929}	L _{B42}
6690	L _{A930}	L _{B42}
6691	L _{A931}	L _{B42}
6692	L _{A932}	L _{B42}
6693	L _{A933}	L _{B42}
6694	L _{A934}	L _{B42}
6695	L _{A935}	L _{B42}
6696	L _{A936}	L _{B42}
6697	L _{A937}	L _{B42}
6698	L _{A938}	L _{B42}
6699	L _{A939}	L _{B42}
6700	L _{A940}	L _{B42}
6701	L _{A941}	L _{B42}
6702	L _{A942}	L _{B42}
6703	L _{A943}	L _{B42}
6704	L _{A944}	L _{B42}
6705	L _{A945}	L _{B42}
6706	L _{A946}	L _{B42}
6707	L _{A947}	L _{B42}
6708	L _{A948}	L _{B42}
6709	L _{A949}	L _{B42}
6710	L _{A950}	L _{B42}
6711	L _{A951}	L _{B42}
6712	L _{A952}	L _{B42}
6713	L _{A953}	L _{B42}
6714	L _{A954}	L _{B42}
6715	L _{A955}	L _{B42}
6716	L _{A956}	L _{B42}
6717	L _{A957}	L _{B42}
6718	L _{A958}	L _{B42}
6719	L _{A959}	L _{B42}
6720	L _{A960}	L _{B42}
6721	L _{A1}	L _{B43}
6722	L _{A2}	L _{B43}
6723	L _{A3}	L _{B43}
6724	L _{A4}	L _{B43}
6725	L _{A5}	L _{B43}
6726	L _{A6}	L _{B43}
6727	L _{A7}	L _{B43}

-continued

Compound Number	L _A	L _B
6728	L _{A8}	L _{B43}
6729	L _{A9}	L _{B43}
6730	L _{A10}	L _{B43}
6731	L _{A11}	L _{B43}
6732	L _{A12}	L _{B43}
6733	L _{A13}	L _{B43}
6734	L _{A14}	L _{B43}
6735	L _{A15}	L _{B43}
6736	L _{A16}	L _{B43}
6737	L _{A17}	L _{B43}
6738	L _{A18}	L _{B43}
6739	L _{A19}	L _{B43}
6740	L _{A20}	L _{B43}
6741	L _{A21}	L _{B43}
6742	L _{A22}	L _{B43}
6743	L _{A23}	L _{B43}
6744	L _{A24}	L _{B43}
6745	L _{A25}	L _{B43}
6746	L _{A26}	L _{B43}
6747	L _{A27}	L _{B43}
6748	L _{A28}	L _{B43}
6749	L _{A29}	L _{B43}
6750	L _{A30}	L _{B43}
6751	L _{A31}	L _{B43}
6752	L _{A32}	L _{B43}
6753	L _{A33}	L _{B43}
6754	L _{A34}	L _{B43}
6755	L _{A35}	L _{B43}
6756	L _{A36}	L _{B43}
6757	L _{A37}	L _{B43}
6758	L _{A38}	L _{B43}
6759	L _{A39}	L _{B43}
6760	L _{A40}	L _{B43}
6761	L _{A41}	L _{B43}
6762	L _{A42}	L _{B43}
6763	L _{A43}	L _{B43}
6764	L _{A44}	L _{B43}
6765	L _{A45}	L _{B43}
6766	L _{A46}	L _{B43}
6767	L _{A47}	L _{B43}
6768	L _{A48}	L _{B43}
6769	L _{A49}	L _{B43}
6770	L _{A50}	L _{B43}
6771	L _{A51}	L _{B43}
6772	L _{A52}	L _{B43}
6773	L _{A53}	L _{B43}
6774	L _{A54}	L _{B43}
6775	L _{A55}	L _{B43}
6776	L _{A56}	L _{B43}
6777	L _{A57}	L _{B43}
6778	L _{A58}	L _{B43}
6779	L _{A59}	L _{B43}
6780	L _{A60}	L _{B43}
6781	L _{A61}	L _{B43}
6782	L _{A62}	L _{B43}
6783	L _{A63}	L _{B43}
6784	L _{A64}	L _{B43}
6785	L _{A65}	L _{B43}
6786	L _{A66}	L _{B43}
6787	L _{A67}	L _{B43}
6788	L _{A68}	L _{B43}
6789	L _{A69}	L _{B43}
6790	L _{A70}	L _{B43}
6791	L _{A71}	L _{B43}
6792	L _{A72}	L _{B43}
6793	L _{A73}	L _{B43}
6794	L _{A74}	L _{B43}
6795	L _{A75}	L _{B43}
6796	L _{A76}	L _{B43}
6797	L _{A77}	L _{B43}
6798	L _{A78}	L _{B43}
6799	L _{A79}	L _{B43}
6800	L _{A80}	L _{B43}

-continued

Compound Number	L _A	L _B
6801	L _{A81}	L _{B43}
6802	L _{A82}	L _{B43}
6803	L _{A83}	L _{B43}
6804	L _{A84}	L _{B43}
6805	L _{A85}	L _{B43}
6806	L _{A86}	L _{B43}
6807	L _{A87}	L _{B43}
6808	L _{A88}	L _{B43}
6809	L _{A89}	L _{B43}
6810	L _{A90}	L _{B43}
6811	L _{A91}	L _{B43}
6812	L _{A92}	L _{B43}
6813	L _{A93}	L _{B43}
6814	L _{A94}	L _{B43}
6815	L _{A95}	L _{B43}
6816	L _{A96}	L _{B43}
6817	L _{A97}	L _{B43}
6818	L _{A98}	L _{B43}
6819	L _{A99}	L _{B43}
6820	L _{A100}	L _{B43}
6821	L _{A101}	L _{B43}
6822	L _{A102}	L _{B43}
6823	L _{A103}	L _{B43}
6824	L _{A104}	L _{B43}
6825	L _{A105}	L _{B43}
6826	L _{A106}	L _{B43}
6827	L _{A107}	L _{B43}
6828	L _{A108}	L _{B43}
6829	L _{A109}	L _{B43}
6830	L _{A110}	L _{B43}
6831	L _{A111}	L _{B43}
6832	L _{A112}	L _{B43}
6833	L _{A113}	L _{B43}
6834	L _{A114}	L _{B43}
6835	L _{A115}	L _{B43}
6836	L _{A116}	L _{B43}
6837	L _{A117}	L _{B43}
6838	L _{A118}	L _{B43}
6839	L _{A119}	L _{B43}
6840	L _{A120}	L _{B43}
6841	L _{A121}	L _{B43}
6842	L _{A122}	L _{B43}
6843	L _{A123}	L _{B43}
6844	L _{A124}	L _{B43}
6845	L _{A125}	L _{B43}
6846	L _{A126}	L _{B43}
6847	L _{A127}	L _{B43}
6848	L _{A128}	L _{B43}
6849	L _{A129}	L _{B43}
6850	L _{A130}	L _{B43}
6851	L _{A131}	L _{B43}
6852	L _{A132}	L _{B43}
6853	L _{A133}	L _{B43}
6854	L _{A134}	L _{B43}
6855	L _{A135}	L _{B43}
6856	L _{A136}	L _{B43}
6857	L _{A137}	L _{B43}
6858	L _{A138}	L _{B43}
6859	L _{A139}	L _{B43}
6860	L _{A140}	L _{B43}
6861	L _{A141}	L _{B43}
6862	L _{A142}	L _{B43}
6863	L _{A143}	L _{B43}
6864	L _{A144}	L _{B43}
6865	L _{A145}	L _{B43}
6866	L _{A146}	L _{B43}
6867	L _{A147}	L _{B43}
6868	L _{A148}	L _{B43}
6869	L _{A149}	L _{B43}
6870	L _{A150}	L _{B43}
6871	L _{A151}	L _{B43}
6872	L _{A152}	L _{B43}
6873	L _{A153}	L _{B43}

-continued

Compound Number	L _A	L _B
6874	L _{A154}	L _{B43}
6875	L _{A155}	L _{B43}
6876	L _{A156}	L _{B43}
6877	L _{A157}	L _{B43}
6878	L _{A158}	L _{B43}
6879	L _{A159}	L _{B43}
6880	L _{A160}	L _{B43}
6881	L _{A161}	L _{B43}
6882	L _{A162}	L _{B43}
6883	L _{A163}	L _{B43}
6884	L _{A164}	L _{B43}
6885	L _{A165}	L _{B43}
6886	L _{A166}	L _{B43}
6887	L _{A167}	L _{B43}
6888	L _{A168}	L _{B43}
6889	L _{A169}	L _{B43}
6890	L _{A170}	L _{B43}
6891	L _{A171}	L _{B43}
6892	L _{A172}	L _{B43}
6893	L _{A173}	L _{B43}
6894	L _{A174}	L _{B43}
6895	L _{A175}	L _{B43}
6896	L _{A176}	L _{B43}
6897	L _{A177}	L _{B43}
6898	L _{A178}	L _{B43}
6899	L _{A179}	L _{B43}
6900	L _{A180}	L _{B43}
6901	L _{A181}	L _{B43}
6902	L _{A182}	L _{B43}
6903	L _{A183}	L _{B43}
6904	L _{A184}	L _{B43}
6905	L _{A185}	L _{B43}
6906	L _{A186}	L _{B43}
6907	L _{A187}	L _{B43}
6908	L _{A188}	L _{B43}
6909	L _{A189}	L _{B43}
6910	L _{A190}	L _{B43}
6911	L _{A191}	L _{B43}
6912	L _{A192}	L _{B43}
6913	L _{A193}	L _{B43}
6914	L _{A194}	L _{B43}
6915	L _{A195}	L _{B43}
6916	L _{A196}	L _{B43}
6917	L _{A197}	L _{B43}
6918	L _{A198}	L _{B43}
6919	L _{A199}	L _{B43}
6920	L _{A200}	L _{B43}
6921	L _{A201}	L _{B43}
6922	L _{A202}	L _{B43}
6923	L _{A203}	L _{B43}
6924	L _{A204}	L _{B43}
6925	L _{A205}	L _{B43}
6926	L _{A206}	L _{B43}
6927	L _{A207}	L _{B43}
6928	L _{A208}	L _{B43}
6929	L _{A209}	L _{B43}
6930	L _{A210}	L _{B43}
6931	L _{A211}	L _{B43}
6932	L _{A212}	L _{B43}
6933	L _{A213}	L _{B43}
6934	L _{A214}	L _{B43}
6935	L _{A215}	L _{B43}
6936	L _{A216}	L _{B43}
6937	L _{A217}	L _{B43}
6938	L _{A218}	L _{B43}
6939	L _{A219}	L _{B43}
6940	L _{A220}	L _{B43}
6941	L _{A221}	L _{B43}
6942	L _{A222}	L _{B43}
6943	L _{A223}	L _{B43}
6944	L _{A224}	L _{B43}
6945	L _{A225}	L _{B43}
6946	L _{A226}	L _{B43}

-continued

Compound Number	L _A	L _B
6947	L _{A227}	L _{B43}
6948	L _{A228}	L _{B43}
6949	L _{A229}	L _{B43}
6950	L _{A230}	L _{B43}
6951	L _{A231}	L _{B43}
6952	L _{A232}	L _{B43}
6953	L _{A233}	L _{B43}
6954	L _{A234}	L _{B43}
6955	L _{A235}	L _{B43}
6956	L _{A236}	L _{B43}
6957	L _{A237}	L _{B43}
6958	L _{A238}	L _{B43}
6959	L _{A239}	L _{B43}
6960	L _{A240}	L _{B43}
6961	L _{A241}	L _{B43}
6962	L _{A242}	L _{B43}
6963	L _{A243}	L _{B43}
6964	L _{A244}	L _{B43}
6965	L _{A245}	L _{B43}
6966	L _{A246}	L _{B43}
6967	L _{A247}	L _{B43}
6968	L _{A248}	L _{B43}
6969	L _{A249}	L _{B43}
6970	L _{A250}	L _{B43}
6971	L _{A251}	L _{B43}
6972	L _{A252}	L _{B43}
6973	L _{A253}	L _{B43}
6974	L _{A254}	L _{B43}
6975	L _{A255}	L _{B43}
6976	L _{A256}	L _{B43}
6977	L _{A257}	L _{B43}
6978	L _{A258}	L _{B43}
6979	L _{A259}	L _{B43}
6980	L _{A260}	L _{B43}
6981	L _{A261}	L _{B43}
6982	L _{A262}	L _{B43}
6983	L _{A263}	L _{B43}
6984	L _{A264}	L _{B43}
6985	L _{A265}	L _{B43}
6986	L _{A266}	L _{B43}
6987	L _{A267}	L _{B43}
6988	L _{A268}	L _{B43}
6989	L _{A269}	L _{B43}
6990	L _{A270}	L _{B43}
6991	L _{A271}	L _{B43}
6992	L _{A272}	L _{B43}
6993	L _{A273}	L _{B43}
6994	L _{A274}	L _{B43}
6995	L _{A275}	L _{B43}
6996	L _{A276}	L _{B43}
6997	L _{A277}	L _{B43}
6998	L _{A278}	L _{B43}
6999	L _{A279}	L _{B43}
7000	L _{A280}	L _{B43}
7001	L _{A281}	L _{B43}
7002	L _{A282}	L _{B43}
7003	L _{A283}	L _{B43}
7004	L _{A284}	L _{B43}
7005	L _{A285}	L _{B43}
7006	L _{A286}	L _{B43}
7007	L _{A287}	L _{B43}
7008	L _{A288}	L _{B43}
7009	L _{A289}	L _{B43}
7010	L _{A290}	L _{B43}
7011	L _{A291}	L _{B43}
7012	L _{A292}	L _{B43}
7013	L _{A293}	L _{B43}
7014	L _{A294}	L _{B43}
7015	L _{A295}	L _{B43}
7016	L _{A296}	L _{B43}
7017	L _{A297}	L _{B43}
7018	L _{A298}	L _{B43}
7019	L _{A299}	L _{B43}

-continued

Compound Number	L _A	L _B
7020	L _{A300}	L _{B43}
7021	L _{A301}	L _{B43}
7022	L _{A302}	L _{B43}
7023	L _{A303}	L _{B43}
7024	L _{A304}	L _{B43}
7025	L _{A305}	L _{B43}
7026	L _{A306}	L _{B43}
7027	L _{A307}	L _{B43}
7028	L _{A308}	L _{B43}
7029	L _{A309}	L _{B43}
7030	L _{A310}	L _{B43}
7031	L _{A311}	L _{B43}
7032	L _{A312}	L _{B43}
7033	L _{A313}	L _{B43}
7034	L _{A314}	L _{B43}
7035	L _{A315}	L _{B43}
7036	L _{A316}	L _{B43}
7037	L _{A317}	L _{B43}
7038	L _{A318}	L _{B43}
7039	L _{A319}	L _{B43}
7040	L _{A320}	L _{B43}
7041	L _{A321}	L _{B43}
7042	L _{A322}	L _{B43}
7043	L _{A323}	L _{B43}
7044	L _{A324}	L _{B43}
7045	L _{A325}	L _{B43}
7046	L _{A326}	L _{B43}
7047	L _{A327}	L _{B43}
7048	L _{A328}	L _{B43}
7049	L _{A329}	L _{B43}
7050	L _{A330}	L _{B43}
7051	L _{A331}	L _{B43}
7052	L _{A332}	L _{B43}
7053	L _{A333}	L _{B43}
7054	L _{A334}	L _{B43}
7055	L _{A335}	L _{B43}
7056	L _{A336}	L _{B43}
7057	L _{A337}	L _{B43}
7058	L _{A338}	L _{B43}
7059	L _{A339}	L _{B43}
7060	L _{A340}	L _{B43}
7061	L _{A341}	L _{B43}
7062	L _{A342}	L _{B43}
7063	L _{A343}	L _{B43}
7064	L _{A344}	L _{B43}
7065	L _{A345}	L _{B43}
7066	L _{A346}	L _{B43}
7067	L _{A347}	L _{B43}
7068	L _{A348}	L _{B43}
7069	L _{A349}	L _{B43}
7070	L _{A350}	L _{B43}
7071	L _{A351}	L _{B43}
7072	L _{A352}	L _{B43}
7073	L _{A353}	L _{B43}
7074	L _{A354}	L _{B43}
7075	L _{A355}	L _{B43}
7076	L _{A356}	L _{B43}
7077	L _{A357}	L _{B43}
7078	L _{A358}	L _{B43}
7079	L _{A359}	L _{B43}
7080	L _{A360}	L _{B43}
7081	L _{A361}	L _{B43}
7082	L _{A362}	L _{B43}
7083	L _{A363}	L _{B43}
7084	L _{A364}	L _{B43}
7085	L _{A365}	L _{B43}
7086	L _{A366}	L _{B43}
7087	L _{A367}	L _{B43}
7088	L _{A368}	L _{B43}
7089	L _{A369}	L _{B43}
7090	L _{A370}	L _{B43}
7091	L _{A371}	L _{B43}
7092	L _{A372}	L _{B43}

-continued

Compound Number	L _A	L _B
7093	L _{A373}	L _{B43}
7094	L _{A374}	L _{B43}
7095	L _{A375}	L _{B43}
7096	L _{A376}	L _{B43}
7097	L _{A377}	L _{B43}
7098	L _{A378}	L _{B43}
7099	L _{A379}	L _{B43}
7100	L _{A380}	L _{B43}
7101	L _{A381}	L _{B43}
7102	L _{A382}	L _{B43}
7103	L _{A383}	L _{B43}
7104	L _{A384}	L _{B43}
7105	L _{A385}	L _{B43}
7106	L _{A386}	L _{B43}
7107	L _{A387}	L _{B43}
7108	L _{A388}	L _{B43}
7109	L _{A389}	L _{B43}
7110	L _{A390}	L _{B43}
7111	L _{A391}	L _{B43}
7112	L _{A392}	L _{B43}
7113	L _{A393}	L _{B43}
7114	L _{A394}	L _{B43}
7115	L _{A395}	L _{B43}
7116	L _{A396}	L _{B43}
7117	L _{A397}	L _{B43}
7118	L _{A398}	L _{B43}
7119	L _{A399}	L _{B43}
7120	L _{A400}	L _{B43}
7121	L _{A401}	L _{B43}
7122	L _{A402}	L _{B43}
7123	L _{A403}	L _{B43}
7124	L _{A404}	L _{B43}
7125	L _{A405}	L _{B43}
7126	L _{A406}	L _{B43}
7127	L _{A407}	L _{B43}
7128	L _{A408}	L _{B43}
7129	L _{A409}	L _{B43}
7130	L _{A410}	L _{B43}
7131	L _{A411}	L _{B43}
7132	L _{A412}	L _{B43}
7133	L _{A413}	L _{B43}
7134	L _{A414}	L _{B43}
7135	L _{A415}	L _{B43}
7136	L _{A416}	L _{B43}
7137	L _{A417}	L _{B43}
7138	L _{A418}	L _{B43}
7139	L _{A419}	L _{B43}
7140	L _{A420}	L _{B43}
7141	L _{A421}	L _{B43}
7142	L _{A422}	L _{B43}
7143	L _{A423}	L _{B43}
7144	L _{A424}	L _{B43}
7145	L _{A425}	L _{B43}
7146	L _{A426}	L _{B43}
7147	L _{A427}	L _{B43}
7148	L _{A428}	L _{B43}
7149	L _{A429}	L _{B43}
7150	L _{A430}	L _{B43}
7151	L _{A431}	L _{B43}
7152	L _{A432}	L _{B43}
7153	L _{A433}	L _{B43}
7154	L _{A434}	L _{B43}
7155	L _{A435}	L _{B43}
7156	L _{A436}	L _{B43}
7157	L _{A437}	L _{B43}
7158	L _{A438}	L _{B43}
7159	L _{A439}	L _{B43}
7160	L _{A440}	L _{B43}
7161	L _{A441}	L _{B43}
7162	L _{A442}	L _{B43}
7163	L _{A443}	L _{B43}
7164	L _{A444}	L _{B43}
7165	L _{A445}	L _{B43}

-continued

Compound Number	L _A	L _B
7166	L _{A446}	L _{B43}
7167	L _{A447}	L _{B43}
7168	L _{A448}	L _{B43}
7169	L _{A449}	L _{B43}
7170	L _{A450}	L _{B43}
7171	L _{A451}	L _{B43}
7172	L _{A452}	L _{B43}
7173	L _{A453}	L _{B43}
7174	L _{A454}	L _{B43}
7175	L _{A455}	L _{B43}
7176	L _{A456}	L _{B43}
7177	L _{A457}	L _{B43}
7178	L _{A458}	L _{B43}
7179	L _{A459}	L _{B43}
7180	L _{A460}	L _{B43}
7181	L _{A461}	L _{B43}
7182	L _{A462}	L _{B43}
7183	L _{A463}	L _{B43}
7184	L _{A464}	L _{B43}
7185	L _{A465}	L _{B43}
7186	L _{A466}	L _{B43}
7187	L _{A467}	L _{B43}
7188	L _{A468}	L _{B43}
7189	L _{A469}	L _{B43}
7190	L _{A470}	L _{B43}
7191	L _{A471}	L _{B43}
7192	L _{A472}	L _{B43}
7193	L _{A473}	L _{B43}
7194	L _{A474}	L _{B43}
7195	L _{A475}	L _{B43}
7196	L _{A476}	L _{B43}
7197	L _{A477}	L _{B43}
7198	L _{A478}	L _{B43}
7199	L _{A479}	L _{B43}
7200	L _{A480}	L _{B43}
7201	L _{A481}	L _{B43}
7202	L _{A482}	L _{B43}
7203	L _{A483}	L _{B43}
7204	L _{A484}	L _{B43}
7205	L _{A485}	L _{B43}
7206	L _{A486}	L _{B43}
7207	L _{A487}	L _{B43}
7208	L _{A488}	L _{B43}
7209	L _{A489}	L _{B43}
7210	L _{A490}	L _{B43}
7211	L _{A491}	L _{B43}
7212	L _{A492}	L _{B43}
7213	L _{A493}	L _{B43}
7214	L _{A494}	L _{B43}
7215	L _{A495}	L _{B43}
7216	L _{A496}	L _{B43}
7217	L _{A497}	L _{B43}
7218	L _{A498}	L _{B43}
7219	L _{A499}	L _{B43}
7220	L _{A500}	L _{B43}
7221	L _{A501}	L _{B43}
7222	L _{A502}	L _{B43}
7223	L _{A503}	L _{B43}
7224	L _{A504}	L _{B43}
7225	L _{A505}	L _{B43}
7226	L _{A506}	L _{B43}
7227	L _{A507}	L _{B43}
7228	L _{A508}	L _{B43}
7229	L _{A509}	L _{B43}
7230	L _{A510}	L _{B43}
7231	L _{A511}	L _{B43}
7232	L _{A512}	L _{B43}
7233	L _{A513}	L _{B43}
7234	L _{A514}	L _{B43}
7235	L _{A515}	L _{B43}
7236	L _{A516}	L _{B43}
7237	L _{A517}	L _{B43}
7238	L _{A518}	L _{B43}

-continued

Compound Number	L _A	L _B
7239	L _{A519}	L _{B43}
7240	L _{A520}	L _{B43}
7241	L _{A521}	L _{B43}
7242	L _{A522}	L _{B43}
7243	L _{A523}	L _{B43}
7244	L _{A524}	L _{B43}
7245	L _{A525}	L _{B43}
7246	L _{A526}	L _{B43}
7247	L _{A527}	L _{B43}
7248	L _{A528}	L _{B43}
7249	L _{A529}	L _{B43}
7250	L _{A530}	L _{B43}
7251	L _{A531}	L _{B43}
7252	L _{A532}	L _{B43}
7253	L _{A533}	L _{B43}
7254	L _{A534}	L _{B43}
7255	L _{A535}	L _{B43}
7256	L _{A536}	L _{B43}
7257	L _{A537}	L _{B43}
7258	L _{A538}	L _{B43}
7259	L _{A539}	L _{B43}
7260	L _{A540}	L _{B43}
7261	L _{A541}	L _{B43}
7262	L _{A542}	L _{B43}
7263	L _{A543}	L _{B43}
7264	L _{A544}	L _{B43}
7265	L _{A545}	L _{B43}
7266	L _{A546}	L _{B43}
7267	L _{A547}	L _{B43}
7268	L _{A548}	L _{B43}
7269	L _{A549}	L _{B43}
7270	L _{A550}	L _{B43}
7271	L _{A551}	L _{B43}
7272	L _{A552}	L _{B43}
7273	L _{A553}	L _{B43}
7274	L _{A554}	L _{B43}
7275	L _{A555}	L _{B43}
7276	L _{A556}	L _{B43}
7277	L _{A557}	L _{B43}
7278	L _{A558}	L _{B43}
7279	L _{A559}	L _{B43}
7280	L _{A560}	L _{B43}
7281	L _{A561}	L _{B43}
7282	L _{A562}	L _{B43}
7283	L _{A563}	L _{B43}
7284	L _{A564}	L _{B43}
7285	L _{A565}	L _{B43}
7286	L _{A566}	L _{B43}
7287	L _{A567}	L _{B43}
7288	L _{A568}	L _{B43}
7289	L _{A569}	L _{B43}
7290	L _{A570}	L _{B43}
7291	L _{A571}	L _{B43}
7292	L _{A572}	L _{B43}
7293	L _{A573}	L _{B43}
7294	L _{A574}	L _{B43}
7295	L _{A575}	L _{B43}
7296	L _{A576}	L _{B43}
7297	L _{A577}	L _{B43}
7298	L _{A578}	L _{B43}
7299	L _{A579}	L _{B43}
7300	L _{A580}	L _{B43}
7301	L _{A581}	L _{B43}
7302	L _{A582}	L _{B43}
7303	L _{A583}	L _{B43}
7304	L _{A584}	L _{B43}
7305	L _{A585}	L _{B43}
7306	L _{A586}	L _{B43}
7307	L _{A587}	L _{B43}
7308	L _{A588}	L _{B43}
7309	L _{A589}	L _{B43}
7310	L _{A590}	L _{B43}
7311	L _{A591}	L _{B43}

-continued

Compound Number	L _A	L _B
7312	L _{A592}	L _{B43}
7313	L _{A593}	L _{B43}
7314	L _{A594}	L _{B43}
7315	L _{A595}	L _{B43}
7316	L _{A596}	L _{B43}
7317	L _{A597}	L _{B43}
7318	L _{A598}	L _{B43}
7319	L _{A599}	L _{B43}
7320	L _{A600}	L _{B43}
7321	L _{A601}	L _{B43}
7322	L _{A602}	L _{B43}
7323	L _{A603}	L _{B43}
7324	L _{A604}	L _{B43}
7325	L _{A605}	L _{B43}
7326	L _{A606}	L _{B43}
7327	L _{A607}	L _{B43}
7328	L _{A608}	L _{B43}
7329	L _{A609}	L _{B43}
7330	L _{A610}	L _{B43}
7331	L _{A611}	L _{B43}
7332	L _{A612}	L _{B43}
7333	L _{A613}	L _{B43}
7334	L _{A614}	L _{B43}
7335	L _{A615}	L _{B43}
7336	L _{A616}	L _{B43}
7337	L _{A617}	L _{B43}
7338	L _{A618}	L _{B43}
7339	L _{A619}	L _{B43}
7340	L _{A620}	L _{B43}
7341	L _{A621}	L _{B43}
7342	L _{A622}	L _{B43}
7343	L _{A623}	L _{B43}
7344	L _{A624}	L _{B43}
7345	L _{A625}	L _{B43}
7346	L _{A626}	L _{B43}
7347	L _{A627}	L _{B43}
7348	L _{A628}	L _{B43}
7349	L _{A629}	L _{B43}
7350	L _{A630}	L _{B43}
7351	L _{A631}	L _{B43}
7352	L _{A632}	L _{B43}
7353	L _{A633}	L _{B43}
7354	L _{A634}	L _{B43}
7355	L _{A635}	L _{B43}
7356	L _{A636}	L _{B43}
7357	L _{A637}	L _{B43}
7358	L _{A638}	L _{B43}
7359	L _{A639}	L _{B43}
7360	L _{A640}	L _{B43}
7361	L _{A641}	L _{B43}
7362	L _{A642}	L _{B43}
7363	L _{A643}	L _{B43}
7364	L _{A644}	L _{B43}
7365	L _{A645}	L _{B43}
7366	L _{A646}	L _{B43}
7367	L _{A647}	L _{B43}
7368	L _{A648}	L _{B43}
7369	L _{A649}	L _{B43}
7370	L _{A650}	L _{B43}
7371	L _{A651}	L _{B43}
7372	L _{A652}	L _{B43}
7373	L _{A653}	L _{B43}
7374	L _{A654}	L _{B43}
7375	L _{A655}	L _{B43}
7376	L _{A656}	L _{B43}
7377	L _{A657}	L _{B43}
7378	L _{A658}	L _{B43}
7379	L _{A659}	L _{B43}
7380	L _{A660}	L _{B43}
7381	L _{A661}	L _{B43}
7382	L _{A662}	L _{B43}
7383	L _{A663}	L _{B43}
7384	L _{A664}	L _{B43}

-continued

Compound Number	L _A	L _B
7385	L _{A665}	L _{B43}
7386	L _{A666}	L _{B43}
7387	L _{A667}	L _{B43}
7388	L _{A668}	L _{B43}
7389	L _{A669}	L _{B43}
7390	L _{A670}	L _{B43}
7391	L _{A671}	L _{B43}
7392	L _{A672}	L _{B43}
7393	L _{A673}	L _{B43}
7394	L _{A674}	L _{B43}
7395	L _{A675}	L _{B43}
7396	L _{A676}	L _{B43}
7397	L _{A677}	L _{B43}
7398	L _{A678}	L _{B43}
7399	L _{A679}	L _{B43}
7400	L _{A680}	L _{B43}
7401	L _{A681}	L _{B43}
7402	L _{A682}	L _{B43}
7403	L _{A683}	L _{B43}
7404	L _{A684}	L _{B43}
7405	L _{A685}	L _{B43}
7406	L _{A686}	L _{B43}
7407	L _{A687}	L _{B43}
7408	L _{A688}	L _{B43}
7409	L _{A689}	L _{B43}
7410	L _{A690}	L _{B43}
7411	L _{A691}	L _{B43}
7412	L _{A692}	L _{B43}
7413	L _{A693}	L _{B43}
7414	L _{A694}	L _{B43}
7415	L _{A695}	L _{B43}
7416	L _{A696}	L _{B43}
7417	L _{A697}	L _{B43}
7418	L _{A698}	L _{B43}
7419	L _{A699}	L _{B43}
7420	L _{A700}	L _{B43}
7421	L _{A701}	L _{B43}
7422	L _{A702}	L _{B43}
7423	L _{A703}	L _{B43}
7424	L _{A704}	L _{B43}
7425	L _{A705}	L _{B43}
7426	L _{A706}	L _{B43}
7427	L _{A707}	L _{B43}
7428	L _{A708}	L _{B43}
7429	L _{A709}	L _{B43}
7430	L _{A710}	L _{B43}
7431	L _{A711}	L _{B43}
7432	L _{A712}	L _{B43}
7433	L _{A713}	L _{B43}
7434	L _{A714}	L _{B43}
7435	L _{A715}	L _{B43}
7436	L _{A716}	L _{B43}
7437	L _{A717}	L _{B43}
7438	L _{A718}	L _{B43}
7439	L _{A719}	L _{B43}
7440	L _{A720}	L _{B43}
7441	L _{A721}	L _{B43}
7442	L _{A722}	L _{B43}
7443	L _{A723}	L _{B43}
7444	L _{A724}	L _{B43}
7445	L _{A725}	L _{B43}
7446	L _{A726}	L _{B43}
7447	L _{A727}	L _{B43}
7448	L _{A728}	L _{B43}
7449	L _{A729}	L _{B43}
7450	L _{A730}	L _{B43}
7451	L _{A731}	L _{B43}
7452	L _{A732}	L _{B43}
7453	L _{A733}	L _{B43}
7454	L _{A734}	L _{B43}
7455	L _{A735}	L _{B43}
7456	L _{A736}	L _{B43}
7457	L _{A737}	L _{B43}

-continued

Compound Number	L _A	L _B
7458	L _{A738}	L _{B43}
7459	L _{A739}	L _{B43}
7460	L _{A740}	L _{B43}
7461	L _{A741}	L _{B43}
7462	L _{A742}	L _{B43}
7463	L _{A743}	L _{B43}
7464	L _{A744}	L _{B43}
7465	L _{A745}	L _{B43}
7466	L _{A746}	L _{B43}
7467	L _{A747}	L _{B43}
7468	L _{A748}	L _{B43}
7469	L _{A749}	L _{B43}
7470	L _{A750}	L _{B43}
7471	L _{A751}	L _{B43}
7472	L _{A752}	L _{B43}
7473	L _{A753}	L _{B43}
7474	L _{A754}	L _{B43}
7475	L _{A755}	L _{B43}
7476	L _{A756}	L _{B43}
7477	L _{A757}	L _{B43}
7478	L _{A758}	L _{B43}
7479	L _{A759}	L _{B43}
7480	L _{A760}	L _{B43}
7481	L _{A761}	L _{B43}
7482	L _{A762}	L _{B43}
7483	L _{A763}	L _{B43}
7484	L _{A764}	L _{B43}
7485	L _{A765}	L _{B43}
7486	L _{A766}	L _{B43}
7487	L _{A767}	L _{B43}
7488	L _{A768}	L _{B43}
7489	L _{A769}	L _{B43}
7490	L _{A770}	L _{B43}
7491	L _{A771}	L _{B43}
7492	L _{A772}	L _{B43}
7493	L _{A773}	L _{B43}
7494	L _{A774}	L _{B43}
7495	L _{A775}	L _{B43}
7496	L _{A776}	L _{B43}
7497	L _{A777}	L _{B43}
7498	L _{A778}	L _{B43}
7499	L _{A779}	L _{B43}
7500	L _{A780}	L _{B43}
7501	L _{A781}	L _{B43}
7502	L _{A782}	L _{B43}
7503	L _{A783}	L _{B43}
7504	L _{A784}	L _{B43}
7505	L _{A785}	L _{B43}
7506	L _{A786}	L _{B43}
7507	L _{A787}	L _{B43}
7508	L _{A788}	L _{B43}
7509	L _{A789}	L _{B43}
7510	L _{A790}	L _{B43}
7511	L _{A791}	L _{B43}
7512	L _{A792}	L _{B43}
7513	L _{A793}	L _{B43}
7514	L _{A794}	L _{B43}
7515	L _{A795}	L _{B43}
7516	L _{A796}	L _{B43}
7517	L _{A797}	L _{B43}
7518	L _{A798}	L _{B43}
7519	L _{A799}	L _{B43}
7520	L _{A800}	L _{B43}
7521	L _{A801}	L _{B43}
7522	L _{A802}	L _{B43}
7523	L _{A803}	L _{B43}
7524	L _{A804}	L _{B43}
7525	L _{A805}	L _{B43}
7526	L _{A806}	L _{B43}
7527	L _{A807}	L _{B43}
7528	L _{A808}	L _{B43}
7529	L _{A809}	L _{B43}
7530	L _{A810}	L _{B43}

-continued

Compound Number	L _A	L _B
7531	L _{A811}	L _{B43}
7532	L _{A812}	L _{B43}
7533	L _{A813}	L _{B43}
7534	L _{A814}	L _{B43}
7535	L _{A815}	L _{B43}
7536	L _{A816}	L _{B43}
7537	L _{A817}	L _{B43}
7538	L _{A818}	L _{B43}
7539	L _{A819}	L _{B43}
7540	L _{A820}	L _{B43}
7541	L _{A821}	L _{B43}
7542	L _{A822}	L _{B43}
7543	L _{A823}	L _{B43}
7544	L _{A824}	L _{B43}
7545	L _{A825}	L _{B43}
7546	L _{A826}	L _{B43}
7547	L _{A827}	L _{B43}
7548	L _{A828}	L _{B43}
7549	L _{A829}	L _{B43}
7550	L _{A830}	L _{B43}
7551	L _{A831}	L _{B43}
7552	L _{A832}	L _{B43}
7553	L _{A833}	L _{B43}
7554	L _{A834}	L _{B43}
7555	L _{A835}	L _{B43}
7556	L _{A836}	L _{B43}
7557	L _{A837}	L _{B43}
7558	L _{A838}	L _{B43}
7559	L _{A839}	L _{B43}
7560	L _{A840}	L _{B43}
7561	L _{A841}	L _{B43}
7562	L _{A842}	L _{B43}
7563	L _{A843}	L _{B43}
7564	L _{A844}	L _{B43}
7565	L _{A845}	L _{B43}
7566	L _{A846}	L _{B43}
7567	L _{A847}	L _{B43}
7568	L _{A848}	L _{B43}
7569	L _{A849}	L _{B43}
7570	L _{A850}	L _{B43}
7571	L _{A851}	L _{B43}
7572	L _{A852}	L _{B43}
7573	L _{A853}	L _{B43}
7574	L _{A854}	L _{B43}
7575	L _{A855}	L _{B43}
7576	L _{A856}	L _{B43}
7577	L _{A857}	L _{B43}
7578	L _{A858}	L _{B43}
7579	L _{A859}	L _{B43}
7580	L _{A860}	L _{B43}
7581	L _{A861}	L _{B43}
7582	L _{A862}	L _{B43}
7583	L _{A863}	L _{B43}
7584	L _{A864}	L _{B43}
7585	L _{A865}	L _{B43}
7586	L _{A866}	L _{B43}
7587	L _{A867}	L _{B43}
7588	L _{A868}	L _{B43}
7589	L _{A869}	L _{B43}
7590	L _{A870}	L _{B43}
7591	L _{A871}	L _{B43}
7592	L _{A872}	L _{B43}
7593	L _{A873}	L _{B43}
7594	L _{A874}	L _{B43}
7595	L _{A875}	L _{B43}
7596	L _{A876}	L _{B43}
7597	L _{A877}	L _{B43}
7598	L _{A878}	L _{B43}
7599	L _{A879}	L _{B43}
7600	L _{A880}	L _{B43}
7601	L _{A881}	L _{B43}
7602	L _{A882}	L _{B43}
7603	L _{A883}	L _{B43}

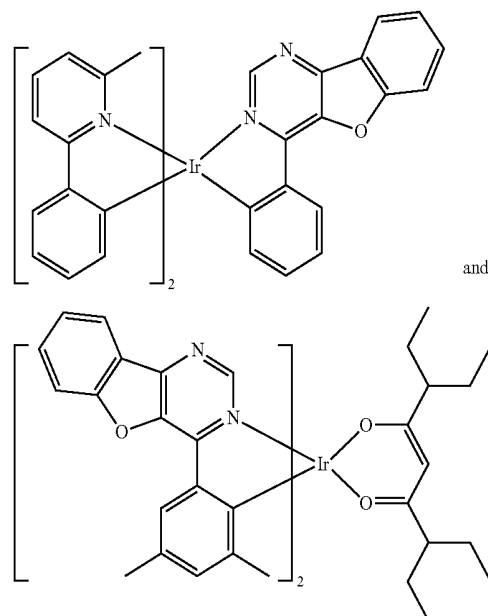
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Compound Number	L _A	L _B
7604	L _{A884}	L _{B43}
7605	L _{A885}	L _{B43}
7606	L _{A886}	L _{B43}
7607	L _{A887}	L _{B43}
7608	L _{A888}	L _{B43}
7609	L _{A889}	L _{B43}
7610	L _{A890}	L _{B43}
7611	L _{A891}	L _{B43}
7612	L _{A892}	L _{B43}
7613	L _{A893}	L _{B43}
7614	L _{A894}	L _{B43}
7615	L _{A895}	L _{B43}
7616	L _{A896}	L _{B43}
7617	L _{A897}	L _{B43}
7618	L _{A898}	L _{B43}
7619	L _{A899}	L _{B43}
7620	L _{A900}	L _{B43}
7621	L _{A901}	L _{B43}
7622	L _{A902}	L _{B43}
7623	L _{A903}	L _{B43}
7624	L _{A904}	L _{B43}
7625	L _{A905}	L _{B43}
7626	L _{A906}	L _{B43}
7627	L _{A907}	L _{B43}
7628	L _{A908}	L _{B43}
7629	L _{A909}	L _{B43}
7630	L _{A910}	L _{B43}
7631	L _{A911}	L _{B43}
7632	L _{A912}	L _{B43}
7633	L _{A913}	L _{B43}
7634	L _{A914}	L _{B43}
7635	L _{A915}	L _{B43}
7636	L _{A916}	L _{B43}
7637	L _{A917}	L _{B43}
7638	L _{A918}	L _{B43}
7639	L _{A919}	L _{B43}
7640	L _{A920}	L _{B43}
7641	L _{A921}	L _{B43}
7642	L _{A922}	L _{B43}
7643	L _{A923}	L _{B43}
7644	L _{A924}	L _{B43}
7645	L _{A925}	L _{B43}
7646	L _{A926}	L _{B43}
7647	L _{A927}	L _{B43}
7648	L _{A928}	L _{B43}
7649	L _{A929}	L _{B43}
7650	L _{A930}	L _{B43}
7651	L _{A931}	L _{B43}
7652	L _{A932}	L _{B43}
7653	L _{A933}	L _{B43}
7654	L _{A934}	L _{B43}
7655	L _{A935}	L _{B43}
7656	L _{A936}	L _{B43}
7657	L _{A937}	L _{B43}
7658	L _{A938}	L _{B43}
7659	L _{A939}	L _{B43}
7660	L _{A940}	L _{B43}
7661	L _{A941}	L _{B43}
7662	L _{A942}	L _{B43}
7663	L _{A943}	L _{B43}
7664	L _{A944}	L _{B43}
7665	L _{A945}	L _{B43}
7666	L _{A946}	L _{B43}
7667	L _{A947}	L _{B43}
7668	L _{A948}	L _{B43}
7669	L _{A949}	L _{B43}
7670	L _{A950}	L _{B43}
7671	L _{A951}	L _{B43}
7672	L _{A952}	L _{B43}
7673	L _{A953}	L _{B43}
7674	L _{A954}	L _{B43}
7675	L _{A955}	L _{B43}
7676	L _{A956}	L _{B43}

-continued

Compound Number	L _A	L _B
7677	L _{A957}	L _{B43}
7678	L _{A958}	L _{B43}
7679	L _{A959}	L _{B43}
7680	L _{A960}	L _{B43}

20. The compound of claim 1, wherein the compound is selected from the group consisting of:

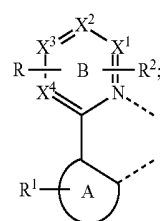


21. A first device comprising a first organic light emitting device, the first organic light emitting device comprising:

an anode;

a cathode; and

an organic layer, disposed between the anode and the cathode, comprising a compound comprising a ligand L_A of formula I:

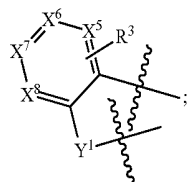


(I)

wherein ring A is a 5-membered or 6-membered carbocyclic or heterocyclic ring;

wherein R is fused to ring B and has formula II:

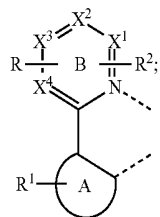
(II)



wherein the wave lines indicate bonds to ring B;
 wherein R^1 and R^3 each independently represent mono, di, tri, or tetra substitution, or no substitution;
 wherein R^2 represents mono or di substitution, or no substitution;
 wherein X^1 , X^2 , X^3 , X^4 , X^5 , X^6 , X^7 , and X^8 are each independently carbon or nitrogen;
 wherein at least one of X^1 , X^2 , X^3 , X^4 , X^5 , X^6 , X^7 , and X^8 is nitrogen;
 wherein Y^1 is selected from the group consisting of BR' , NR' , PR' , O, S, Se, $C=O$, $S=O$, SO_2 , $CR'R''$, $SiR'R''$, and $GeR'R''$;
 wherein R^1 , R^2 , R^3 , R' , and R'' are each independently selected from the group consisting of hydrogen, deuterium, halogen, alkyl, cycloalkyl, heteroalkyl, arylalkyl, alkoxy, aryloxy, amino, silyl, alkenyl, cycloalkenyl, heteroalkenyl, alkynyl, aryl, heteroaryl, acyl, carbonyl, carboxylic acid, ester, nitrile, isonitrile, sulfanyl, sulfinyl, sulfonyl, phosphino, and combinations thereof, or wherein any two adjacent substituents are optionally joined to form a ring, which can be further substituted;
 wherein the ligand L_A is coordinated to a metal M;
 wherein the ligand L_A is optionally linked with other ligands to comprise a tridentate, tetradentate, pentadentate or hexadentate ligand; and
 wherein M is optionally coordinated to other ligands.

22. A formulation comprising a compound comprising ligand L_A of formula I:

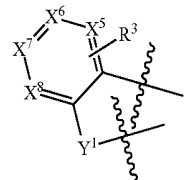
(II)



wherein ring A is a 5-membered or 6-membered carbocyclic or heterocyclic ring;

wherein R is fused to ring B and has formula II:

(II)



wherein the wave lines indicate bonds to ring B;

wherein R^1 and R^3 each independently represent mono, di, tri, or tetra substitution, or no substitution;

wherein R^2 represents mono or di substitution, or no substitution;

wherein X^1 , X^2 , X^3 , X^4 , X^5 , X^6 , X^7 , and X^8 are each independently carbon or nitrogen;

wherein at least one of X^1 , X^2 , X^3 , X^4 , X^5 , X^6 , X^7 , and X^8 is nitrogen;

wherein Y^1 is selected from the group consisting of BR' , NR' , PR' , O, S, Se, $C=O$, $S=O$, SO_2 , $CR'R''$, $SiR'R''$, and $GeR'R''$;

wherein R^1 , R^2 , R^3 , R' , and R'' are each independently selected from the group consisting of hydrogen, deuterium, halogen, alkyl, cycloalkyl, heteroalkyl, arylalkyl, alkoxy, aryloxy, amino, silyl, alkenyl, cycloalkenyl, heteroalkenyl, alkynyl, aryl, heteroaryl, acyl, carbonyl, carboxylic acid, ester, nitrile, isonitrile, sulfanyl, sulfinyl, sulfonyl, phosphino, and combinations thereof, or wherein any two adjacent substituents are optionally joined to form a ring, which can be further substituted;

wherein the ligand L_A is coordinated to metal M;

wherein the ligand L_A is optionally linked with other ligands to comprise a tridentate, tetradentate, pentadentate or hexadentate ligand; and

wherein M is optionally coordinated to other ligands.

* * * * *

专利名称(译)	有机电致发光材料和器件		
公开(公告)号	US20150236276A1	公开(公告)日	2015-08-20
申请号	US14/181118	申请日	2014-02-14
[标]申请(专利权)人(译)	环球展览公司		
申请(专利权)人(译)	通用显示器公司		
当前申请(专利权)人(译)	通用显示器公司		
[标]发明人	BOUDREAUULT PIERRE LUC T DYATKIN ALEXEY BORISOVICH XIA CHUANJUN JOSEPH SCOTT LL DAVID ZENAN YAMAMOTO HITOSHI WEAVER MICHAEL S		
发明人	BOUDREAUULT, PIERRE-LUC T. DYATKIN, ALEXEY BORISOVICH XIA, CHUANJUN JOSEPH, SCOTT LL, DAVID ZENAN YAMAMOTO, HITOSHI WEAVER, MICHAEL S.		
IPC分类号	H01L51/00		
其他公开文献	US9590194		
外部链接	Espacenet USPTO		

摘要(译)

本发明涉及具有新配体的金属配合物。该化合物可用于有机发光器件 (OLED) , 特别是作为发光掺杂剂。这些新型配体的加入使红色磷光材料具有良好的外量子效率, 良好的颜色和长寿命。

