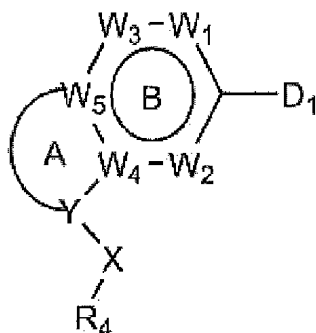
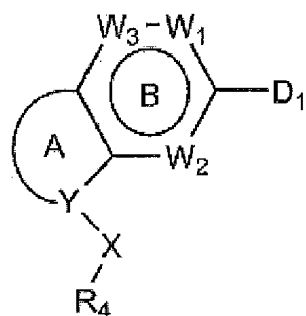


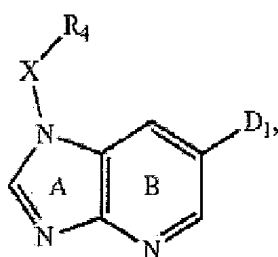
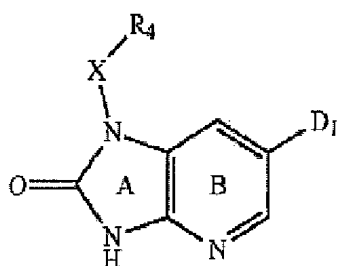


Formula IIa



Formula IIb

[028a] In another aspect of the invention, a compound of Formulas IIb' or Formula IIc':



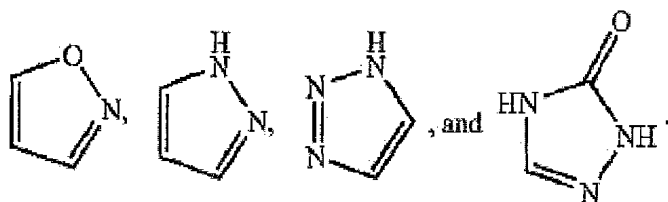
or a stereoisomer, tautomer, pharmaceutically acceptable salt, or hydrate thereof,
wherein:

Rings A and B may be optionally substituted with groups independently selected from hydrogen, deuterium, $-\text{NH}_2$, amino, heterocycle($\text{C}_4\text{-C}_6$), carbocycle($\text{C}_4\text{-C}_6$), halogen, $-\text{CN}$, $-\text{OH}$, $-\text{CF}_3$, alkyl($\text{C}_1\text{-C}_6$), thioalkyl($\text{C}_1\text{-C}_6$), alkenyl($\text{C}_1\text{-C}_6$), and alkoxy($\text{C}_1\text{-C}_6$);

X is selected from $-\text{NH}-$, $-\text{CH}_2-$, $-\text{CH}_2\text{CH}_2-$, $-\text{CH}_2\text{CH}_2\text{CH}_2-$, $-\text{CH}_2\text{CH}_2\text{O}-$, $-\text{CH}_2\text{CH}_2\text{NH}-$, $-\text{CH}_2\text{CH}_2\text{S}-$, $-\text{C}(\text{O})-$, $-\text{C}(\text{O})\text{CH}_2-$, $-\text{C}(\text{O})\text{CH}_2\text{CH}_2-$, $-\text{CH}_2\text{C}(\text{O})-$, $-\text{CH}_2\text{CH}_2\text{C}(\text{O})-$, $-\text{C}(\text{O})\text{NH}-$, $-\text{C}(\text{O})\text{O}-$, $-\text{C}(\text{O})\text{S}-$, $-\text{C}(\text{O})\text{NHCH}_2-$, $-\text{C}(\text{O})\text{OCH}_2-$, $-\text{C}(\text{O})\text{SCH}_2-$, wherein one or more hydrogen may independently be replaced with deuterium, hydroxy, methyl, halogen, $-\text{CF}_3$, ketone, and where S may be oxidized to sulfoxide or sulfone;

R_4 is selected from optionally substituted 3-7 membered carbocycles and heterocycles; and

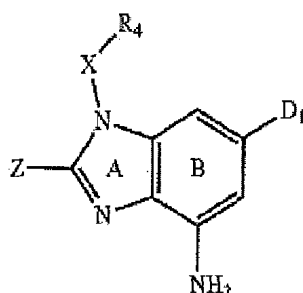
D_1 is selected from the following 5-membered monocyclic heterocycles:



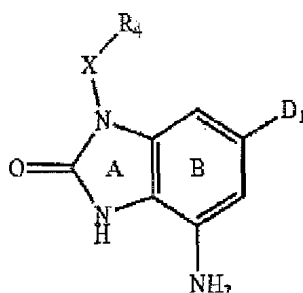
which are optionally substituted with hydrogen, deuterium, alkyl(C₁-C₄), alkoxy(C₁-C₄), amino, halogen, amide, —CF₃, CN, —N₃, ketone (C₁-C₄), —S(O)Alkyl(C₁-C₄), —SO₂alkyl(C₁-C₄), -thioalkyl(C₁-C₄), —COOH, and/or ester, each of which may be optionally substituted with hydrogen, F, Cl, Br, —OH, —NH₂, —NHMe, —OMe, —SMe, oxo, and/or thio-oxo is provided.

[028b] In another aspect of the invention, a compound of Formula IIa''' or Formula IIc''':

IIa'''



IIc'''

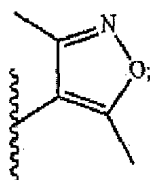


or a stereoisomer, tautomer, pharmaceutically acceptable salt, or hydrate thereof,

wherein:

Z if present, is selected from hydrogen, deuterium, —NH₂, amino, alkyl(C₁-C₆), thioalkyl(C₁-C₆), alkenyl(C₁-C₆), alkoxy(C₁-C₆), and carboxyl;

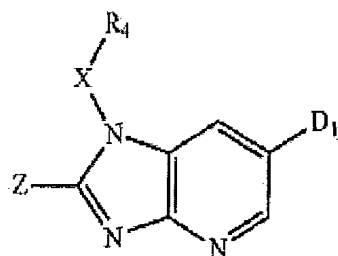
D₁ is



X is selected from $-\text{CH}_2-$ and $-\text{CH}(\text{CH}_3)-$; and

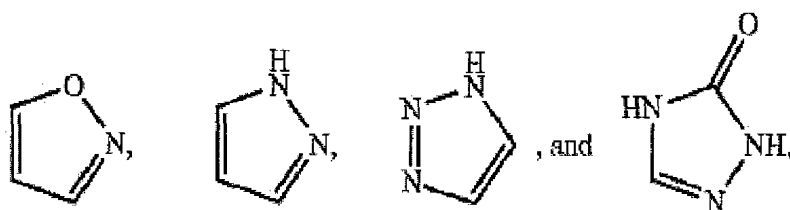
R_4 is a phenyl ring optionally substituted with groups independently selected with one or more groups independently selected from deuterium, alkyl($\text{C}_1\text{-C}_4$), alkoxy($\text{C}_1\text{-C}_4$), halogen, $-\text{CF}_3$, CN, and -thioalkyl($\text{C}_1\text{-C}_4$), wherein each alkyl, alkoxy, and thioalkyl may be optionally substituted with F, Cl, and/or Br is provided.

[028c] In another aspect of the invention, a compound of Formula IIb":



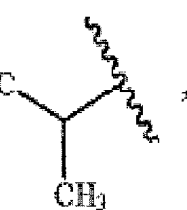
or a stereoisomer, tautomer, pharmaceutically acceptable salt, or hydrate thereof, wherein: X is selected from $-\text{NH}-$, $-\text{CH}_2-$, $-\text{CH}_2\text{CH}_2-$, $-\text{CH}_2\text{CH}_2\text{CH}_2-$, $-\text{CH}_2\text{CH}_2\text{O}-$, $-\text{CH}_2\text{CH}_2\text{NH}-$, $-\text{CH}_2\text{CH}_2\text{S}-$, $-\text{C}(\text{O})-$, $-\text{C}(\text{O})\text{CH}_2-$, $-\text{C}(\text{O})\text{CH}_2\text{CH}_2-$, $-\text{CH}_2\text{C}(\text{O})-$, $-\text{CH}_2\text{CH}_2\text{C}(\text{O})-$, $-\text{C}(\text{O})\text{NH}-$, $-\text{C}(\text{O})\text{O}-$, $-\text{C}(\text{O})\text{S}-$, $-\text{C}(\text{O})\text{NHCH}_2-$, $-\text{C}(\text{O})\text{OCH}_2-$, $-\text{C}(\text{O})\text{SCH}_2-$, wherein one or more hydrogen may independently be replaced with deuterium, hydroxy, methyl, halogen, $-\text{CF}_3$, ketone, and where S may be oxidized to sulfoxide or sulfone;

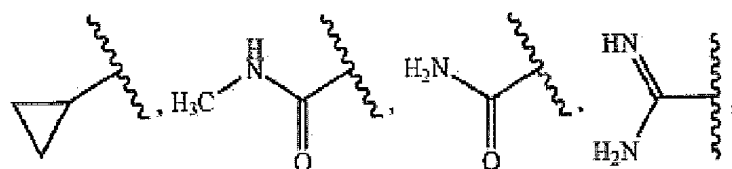
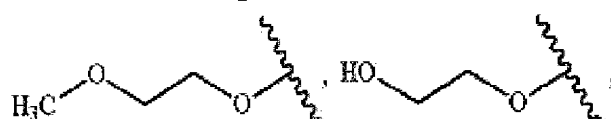
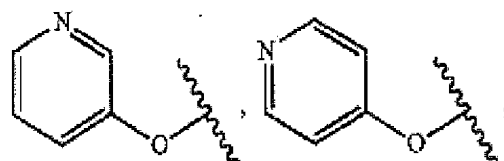
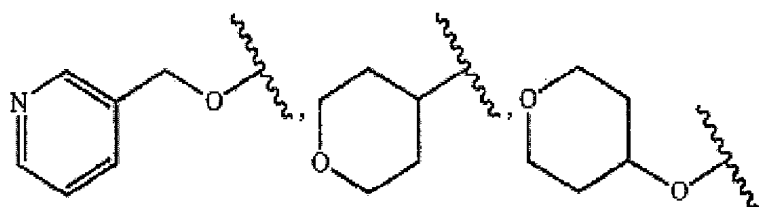
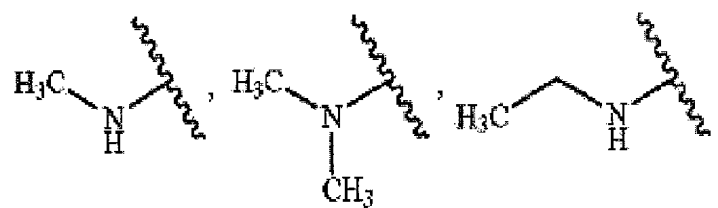
R_4 is selected from optionally substituted 3-7 membered carbocycles and heterocycles; and D_1 is selected from the following 5-membered monocyclic heterocycles:

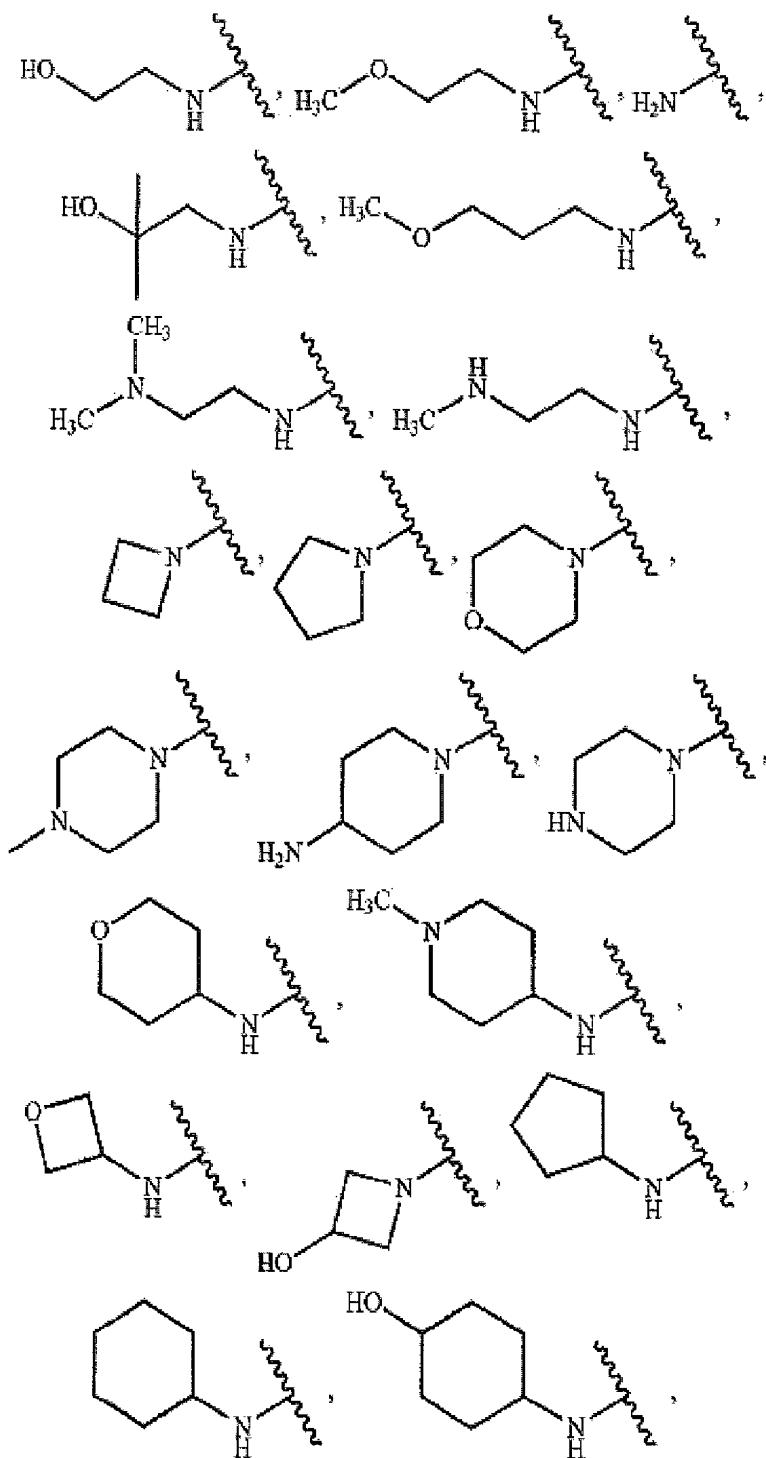


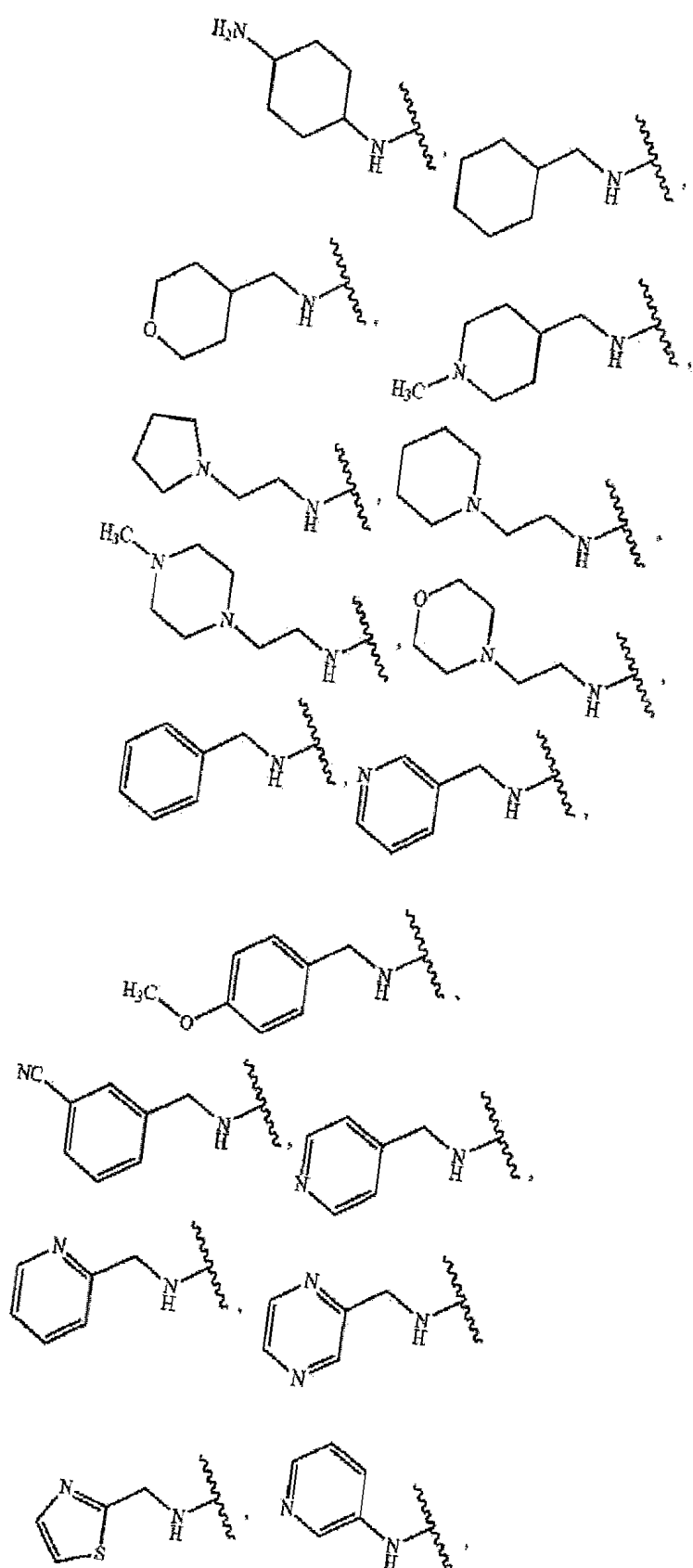
which are optionally substituted with hydrogen, deuterium, alkyl($\text{C}_1\text{-C}_4$), alkoxy($\text{C}_1\text{-C}_4$), amino, halogen, amide, $-\text{CF}_3$, CN, $-\text{N}_3$, ketone ($\text{C}_1\text{-C}_4$), $-\text{S}(\text{O})\text{Alkyl}(\text{C}_1\text{-C}_4)$, $-\text{SO}_2\text{alkyl}(\text{C}_1\text{-C}_4)$, -thioalkyl($\text{C}_1\text{-C}_4$), $-\text{COOH}$, and/or ester, each of which may be optionally substituted with hydrogen, F, Cl, Br, $-\text{OH}$, $-\text{NH}_2$, $-\text{NHMe}$, $-\text{OMe}$, $-\text{SMe}$, oxo, and/or thio-oxo; and Z is selected from:

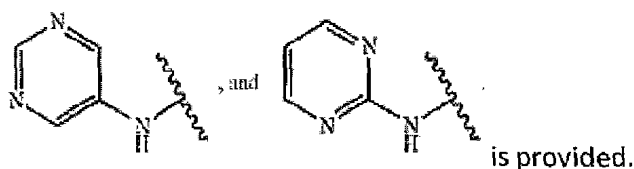
—Me, —CF₃, —Et, CH₃CH₂O—, CF₃CH₂—,

—SMe, —SOMe, —SO₂Me, —CN, H₃C—










[028d] In another aspect of the invention, a compound selected from:

4-(3-benzyl-3H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 4-(1-benzyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazol-4-amine;
 N,1-dibenzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazol-4-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 4-(1-benzyl-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 4-(1-(cyclopropylmethyl)-2-methyl-4-nitro-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-4-nitro-1H-benzo[d]imidazol-2(3H)-one;
 4-amino-1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazol-2(3H)-one;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-ethoxy-1H-benzo[d]imidazol-4-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-ethyl-4-nitro-1H-benzo[d]imidazol-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N2-ethyl-1H-benzo[d]imidazole-2,4-diamine;
 methyl 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-oxo-2,3-dihydro-1H-benzo[d]imidazole-4-carboxylate;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-oxo-2,3-dihydro-1H-benzo[d]imidazole-4-carboxamide;
 4-(aminomethyl)-1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazol-2(3H)-one;
 6-(3,5-dimethylisoxazol-4-yl)-1-(4-fluorobenzyl)-1H-benzo[d]imidazol-4-amine;
 6-(3,5-dimethylisoxazol-4-yl)-1-(4-fluorobenzyl)-N-methyl-1H-benzo[d]imidazol-4-amine;
 6-(3,5-dimethylisoxazol-4-yl)-1-(4-fluorobenzyl)-N,N-dimethyl-1H-benzo[d]imidazol-4-amine;
 3,5-dimethyl-4-(1-(1-phenylethyl)-1H-imidazo[4,5-b]pyridin-6-yl)isoxazole;
 4-((6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-imidazo[4,5-b]pyridin-1-yl)methyl)benzamide;
 3,5-dimethyl-4-(1-(4-(trifluoromethyl)benzyl)-1H-imidazo[4,5-b]pyridin-6-yl)isoxazole;
 4-(1-(4-chlorobenzyl)-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 4-(1-(4-fluorobenzyl)-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 3,5-dimethyl-4-(1-(pyridin-2-ylmethyl)-1H-imidazo[4,5-b]pyridin-6-yl)isoxazole;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-4-amine;
 4-(1-(4-fluorobenzyl)-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 4-(1-benzyl-2-ethoxy-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 4-((6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-imidazo[4,5-b]pyridin-1-yl)methyl)-3,5-

dimethylisoxazole;

4-(1-(2,4-dichlorobenzyl)-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;

4-(1-(4-methoxybenzyl)-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;

4-(1-(cyclopropylmethyl)-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;

N-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-4-yl)acetamide;

N-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-4-yl)ethanesulfonamide;

4-(1-benzyl-4-methoxy-2-methyl-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;

3,5-dimethyl-4-(2-methyl-1-(pyridin-3-ylmethyl)-1H-imidazo[4,5-b]pyridin-6-yl)isoxazole;

3,5-dimethyl-4-(2-methyl-1-(thiophen-2-ylmethyl)-1H-imidazo[4,5-b]pyridin-6-yl)isoxazole;

4-((6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-imidazo[4,5-b]pyridin-1-yl)methyl)benzonitrile;

3,5-dimethyl-4-(2-methyl-1-(pyridin-4-ylmethyl)-1H-imidazo[4,5-b]pyridin-6-yl)isoxazole;

1-(cyclopropylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-4-amine;

3,5-dimethyl-4-(2-methyl-1-((5-methylthiophen-2-yl)methyl)-1H-imidazo[4,5-b]pyridin-6-yl)isoxazole;

4-(1-((5-chlorothiophen-2-yl)methyl)-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;

5-((6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-imidazo[4,5-b]pyridin-1-yl)methyl)thiophene-2-carbonitrile;

6-(3,5-dimethylisoxazol-4-yl)-1-(4-fluorobenzyl)-1H-imidazo[4,5-b]pyridine 4-oxide;

6-(3,5-dimethylisoxazol-4-yl)-1-(4-fluorobenzyl)-1H-imidazo[4,5-b]pyridin-5-yl acetate;

1-benzyl-6-(1,4-dimethyl-1H-pyrazol-5-yl)-2-methyl-4-nitro-1H-benzo[d]imidazole;

1-benzyl-6-(1,4-dimethyl-1H-pyrazol-5-yl)-2-methyl-1H-benzo[d]imidazol-4-amine;

4-(1-(4-chlorobenzyl)-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;

4-((6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-imidazo[4,5-b]pyridin-1-yl)methyl)phenol;

1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazole-4-carbonitrile;

1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-oxo-2,3-dihydro-1H-benzo[d]imidazole-4-carbonitrile;

4-amino-1-(4-chlorobenzyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazol-2(3H)-one;

1-(4-chlorobenzyl)-6-(3,5-dimethylisoxazol-4-yl)-4-nitro-1H-benzo[d]imidazol-2(3H)-one;

1-benzyl-2-methyl-6-(1-methyl-1H-pyrazol-5-yl)-1H-benzo[d]imidazol-4-amine;

4-(1-(3,4-dichlorobenzyl)-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;

6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1-(1-phenylethyl)-1H-benzo[d]imidazol-4-amine;

2-(azetidin-1-yl)-1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazol-4-amine;
 1-(3,4-dichlorobenzyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 6-(3,5-dimethylisoxazol-4-yl)-1-(4-methoxybenzyl)-4-nitro-1H-benzo[d]imidazol-2(3H)-one;
 4-amino-6-(3,5-dimethylisoxazol-4-yl)-1-(4-methoxybenzyl)-1H-benzo[d]imidazol-2(3H)-one;
 1-(4-chlorobenzyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 6-(3,5-dimethylisoxazol-4-yl)-1-(thiophen-2-ylmethyl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-ethyl-1H-imidazo[4,5-b]pyridin-2-amine;
 3,5-dimethyl-4-(2-methyl-1-(1-phenylethyl)-1H-imidazo[4,5-b]pyridin-6-yl)isoxazole;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N2-(tetrahydro-2H-pyran-4-yl)-1H-benzo[d]imidazole-
 2,4-diamine;
 6-(3,5-dimethylisoxazol-4-yl)-4-nitro-1-(1-phenylethyl)-1H-benzo[d]imidazol-2(3H)-one;
 N-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-oxo-2,3-dihydro-1H-benzo[d]imidazol-4-
 yl)acetamide;
 6-(3,5-dimethylisoxazol-4-yl)-1-(1-phenylethyl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 6-(3,5-dimethylisoxazol-4-yl)-N-ethyl-1-(1-phenylethyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 4-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-yl)morpholine;
 4-amino-6-(3,5-dimethylisoxazol-4-yl)-1-(1-phenylethyl)-1H-benzo[d]imidazol-2(3H)-one;
 4-(1-(cyclobutyl methyl)-2-methyl-4-nitro-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;
 4-(1-(cyclopentylmethyl)-2-methyl-4-nitro-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;
 1-(cyclopropylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 N-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-(ethylamino)-1H-benzo[d]imidazol-4-
 yl)acetamide;
 N-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-ethoxy-1H-benzo[d]imidazol-4-yl)acetamide;
 4-(1-benzyl-4-bromo-2-methyl-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;
 3-benzyl-5-(3,5-dimethylisoxazol-4-yl)-1-ethyl-1H-benzo[d]imidazol-2(3H)-one;
 4-(2-(azetidin-1-yl)-1-benzyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 1-((5-chlorothiophen-2-yl)methyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-
 2(3H)-one;
 (S)-3,5-dimethyl-4-(2-methyl-4-nitro-1-(1-phenylethyl)-1H-benzo[d]imidazol-6-yl)isoxazole;
 (R)-3,5-dimethyl-4-(2-methyl-4-nitro-1-(1-phenylethyl)-1H-benzo[d]imidazol-6-yl)isoxazole;
 6-(3,5-dimethylisoxazol-4-yl)-N-ethyl-4-nitro-1-(1-phenylethyl)-1H-benzo[d]imidazol-2-
 amine;
 4-(1-benzyl-2-ethyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 4-amino-6-(3,5-dimethylisoxazol-4-yl)-1-(4-hydroxybenzyl)-1H-benzo[d]imidazol-2(3H)-one;

N-(2-(azetidin-1-yl)-1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazol-4-yl)acetamide;
 1-(cyclopropylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-N-ethyl-1H-imidazo[4,5-b]pyridin-2-amine;
 1-(cyclobutylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-4-amine;
 1-(cyclopentylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-4-amine;
 6-(3,5-dimethylisoxazol-4-yl)-N2-ethyl-1-(1-phenylethyl)-1H-benzo[d]imidazole-2,4-diamine;
 4-(1-benzyl-4-nitro-2-(pyrrolidin-1-yl)-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;
 4-(1-benzyl-2-(4-methylpiperazin-1-yl)-4-nitro-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(2-methoxyethyl)-4-nitro-1H-benzo[d]imidazol-2-amine;
 4-(1-benzyl-2-cyclopropyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N2-(2-methoxyethyl)-1H-benzo[d]imidazole-2,4-diamine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-(pyrrolidin-1-yl)-1H-benzo[d]imidazol-4-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-(4-methylpiperazin-1-yl)-1H-benzo[d]imidazol-4-amine;
 1-benzyl-N6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazole-4,6-diamine;
 (S)-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1-(1-phenylethyl)-1H-benzo[d]imidazol-4-amine;
 (R)-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1-(1-phenylethyl)-1H-benzo[d]imidazol-4-amine;
 1-(cyclopropylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-4-nitro-1H-benzo[d]imidazol-2(3H)-one;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-methyl-1H-imidazo[4,5-b]pyridin-2-amine;
 N,1-dibenzyl-6-(3,5-dimethylisoxazol-4-yl)-4-nitro-1H-benzo[d]imidazol-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-4-nitro-N-(pyridin-3-ylmethyl)-1H-benzo[d]imidazol-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-methyl-4-nitro-1H-benzo[d]imidazol-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-3-methyl-4-nitro-1H-benzo[d]imidazol-2(3H)-one;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N2-methyl-1H-benzo[d]imidazole-2,4-diamine;
 N,2,1-dibenzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazole-2,4-diamine;
 N,1-dibenzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-2-methyl-6-(1-methyl-1H-pyrazol-5-yl)-1H-imidazo[4,5-b]pyridine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N2-(pyridin-3-ylmethyl)-1H-benzo[d]imidazole-2,4-diamine;

4-(1-benzyl-4-fluoro-2-methyl-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;
 1-(cyclopropylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-N-ethyl-4-nitro-1H-benzo[d]imidazol-2-amine;
 1-(cyclopropylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-N2-ethyl-1H-benzo[d]imidazole-2,4-diamine;
 4-amino-1-(cyclopropylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazol-2(3H)-one;
 4-amino-1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-3-methyl-1H-benzo[d]imidazol-2(3H)-one;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-4-fluoro-1H-benzo[d]imidazol-2(3H)-one;
 N-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-3-methyl-2-oxo-2,3-dihydro-1H-benzo[d]imidazol-4-yl)acetamide;
 4-(1-benzyl-2-(4-methylpiperazin-1-yl)-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(2-methoxyethyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 4-(1-benzyl-2-methyl-4-(methylsulfonyl)-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(pyridin-4-ylmethyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(tetrahydro-2H-pyran-4-yl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-6-(1-methyl-1H-pyrazol-5-yl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 (S)-6-(3,5-dimethylisoxazol-4-yl)-4-nitro-1-(1-phenylethyl)-1H-benzo[d]imidazol-2(3H)-one;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-4-ol;
 4-(1-benzyl-6-(1-methyl-1H-pyrazol-5-yl)-1H-imidazo[4,5-b]pyridin-2-yl)morpholine;
 1-benzyl-6-(1-methyl-1H-pyrazol-5-yl)-N-(tetrahydro-2H-pyran-4-yl)-1H-imidazo[4,5-b]pyridin-2-amine;
 4-amino-1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazole-2(3H)-thione;
 (S)-4-amino-6-(3,5-dimethylisoxazol-4-yl)-1-(1-phenylethyl)-1H-benzo[d]imidazol-2(3H)-one;
 (R)-4-amino-6-(3,5-dimethylisoxazol-4-yl)-1-(1-phenylethyl)-1H-benzo[d]imidazol-2(3H)-one;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-7-methyl-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 4-(1-benzyl-2,7-dimethyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 4-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-4-yl)morpholine;
 1-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-4-yl)azetidin-2-one;
 1-benzyl-2-methyl-6-(1,3,5-trimethyl-1H-pyrazol-4-yl)-1H-benzo[d]imidazol-4-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(pyridin-3-ylmethyl)-1H-imidazo[4,5-b]pyridin-2-

amine;

4-(4-bromo-2-methyl-1-phenethyl-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;

4-(4-bromo-2-methyl-1-(3-phenylpropyl)-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;

4-(4-bromo-2-methyl-1-(2-phenoxyethyl)-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;

4-(1-(cyclohexylmethyl)-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;

4-(1-(cyclopentylmethyl)-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;

4-(1-(cyclobutylmethyl)-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;

1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(pyridin-2-ylmethyl)-1H-imidazo[4,5-b]pyridin-2-

amine;

4-(1-benzyl-2-(pyrrolidin-1-yl)-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;

2-((1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-yl)amino)ethanol;

1-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-4-yl)azetidin-3-ol;

1-benzyl-3-methyl-6-(1-methyl-1H-pyrazol-5-yl)-4-nitro-1H-benzo[d]imidazol-2(3H)-one;

4-amino-1-benzyl-3-methyl-6-(1-methyl-1H-pyrazol-5-yl)-1H-benzo[d]imidazol-2(3H)-one;

(4-bromo-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-1-

yl)(phenyl)methanone;

1-benzyl-2-methyl-6-(5-methylisoxazol-4-yl)-1H-benzo[d]imidazol-4-amine;

1-(cyclopentylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;

1-(cyclobutylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;

N-(1-benzyl-3-methyl-6-(1-methyl-1H-pyrazol-5-yl)-2-oxo-2,3-dihydro-1H-benzo[d]imidazol-

4-yl)acetamide;

1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(4-methoxybenzyl)-1H-imidazo[4,5-b]pyridin-2-

amine;

1-benzyl-2-methyl-6-(1-methyl-1H-1,2,3-triazol-5-yl)-1H-imidazo[4,5-b]pyridine;

4-((1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-yl)amino)cyclohexanol;

4-(1-(cyclopentylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-

yl)morpholine;

4-(2-(azetidin-1-yl)-1-(cyclopentylmethyl)-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-

dimethylisoxazole;

4-(1-(cyclobutyl methyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-

yl)morpholine;

4-(2-(azetidin-1-yl)-1-(cyclobutylmethyl)-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-

dimethylisoxazole;

N1-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-yl)-N2,N2-

dimethylethane-1,2-diamine;
 4-(1-benzyl-2-(piperazin-1-yl)-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 1-benzyl-N-cyclopentyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(2-morpholinoethyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-amine;
 3-(((1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-yl)amino)methyl)benzonitrile;
 (R)-6-(3,5-dimethylisoxazol-4-yl)-1-(1-phenylethyl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 (S)-6-(3,5-dimethylisoxazol-4-yl)-1-(1-phenylethyl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 4-(1-benzyl-2-(tetrahydro-2H-pyran-4-yl)-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-methyl-1H-imidazo[4,5-b]pyridine-2-carboxamide;
 1-(cyclopentylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-N-(tetrahydro-2H-pyran-4-yl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-(cyclobutylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-N-(tetrahydro-2H-pyran-4-yl)-1H-imidazo[4,5-b]pyridin-2-amine;
 N1-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-yl)cyclohexane-1,4-diamine;
 1-benzyl-N-(cyclohexylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(3-methoxypropyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(oxetan-3-yl)-1H-imidazo[4,5-b]pyridin-2-amine;
 6-(3,5-dimethylisoxazol-4-yl)-1-(4-fluorobenzyl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(pyrazin-2-ylmethyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-((tetrahydro-2H-pyran-4-yl)methyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(2-(4-methylpiperazin-1-yl)ethyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 6-(3,5-dimethylisoxazol-4-yl)-1-(4-fluorobenzyl)-N-methyl-1H-imidazo[4,5-b]pyridin-2-amine;
 1-(4-chlorobenzyl)-6-(3,5-dimethylisoxazol-4-yl)-N-methyl-1H-imidazo[4,5-b]pyridin-2-amine;

1-benzyl-N-cyclohexyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(1-methylpiperidin-4-yl)-1H-imidazo[4,5-b]pyridin-2-amine;
 4-(1-benzyl-2-(pyridin-3-yloxy)-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 1-((1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-yl)amino)-2-methylpropan-2-ol;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(2-(pyrrolidin-1-yl)ethyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(2-(piperidin-1-yl)ethyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 (R)-6-(3,5-dimethylisoxazol-4-yl)-4-nitro-1-(1-phenylethyl)-1H-benzo[d]imidazol-2(3H)-one;
 4-(1-benzyl-7-methoxy-2-(trifluoromethyl)-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(thiazol-2-ylmethyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazole-2-carboximidamide;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazole-2-carboxamide;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-((1-methylpiperidin-4-yl)methyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-yl)azetidin-3-ol;
 4-(1-benzyl-2-(pyridin-4-yloxy)-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(pyridin-3-yl)-1H-benzo[d]imidazol-2-amine;
 3-(1-benzyl-1H-benzo[d]imidazol-6-yl)-4-ethyl-1H-1,2,4-triazol-5(4H)-one; and
 stereoisomers, tautomers, pharmaceutically acceptable salts, and hydrates thereof is provided.

[0028e] In another aspect of the invention, a pharmaceutical composition comprising the compounds as described herein, or a stereoisomer, tautomer, pharmaceutically acceptable salt, or hydrate thereof, and a pharmaceutically acceptable carrier is provided.

[029] In another aspect of the invention, a pharmaceutical composition comprising a compound of Formula Ia, Formula Ib, Formula IIa, and/or Formula IIb, or stereoisomer, tautomer, pharmaceutically acceptable salt, or hydrate thereof and one or more pharmaceutically acceptable carriers, diluents or excipients is provided.

[030] In yet another aspect of the invention there is provided a compound of Formula Ia, Formula Ib, Formula IIa, and/or Formula IIb, or a stereoisomer, tautomer, pharmaceutically acceptable salt, or hydrate thereof, or a pharmaceutical composition comprising such compound, for

use in therapy, in particular in the treatment of diseases or conditions for which a bromodomain inhibitor is indicated.

[031] In yet another aspect of the invention there is provided a compound of Formula Ia, Formula Ib, Formula IIa, and/or Formula IIb, or a stereoisomer, tautomer, pharmaceutically acceptable salt, or hydrate thereof in the manufacture of a medicament for the treatment of diseases or conditions for which a bromodomain inhibitor is indicated.

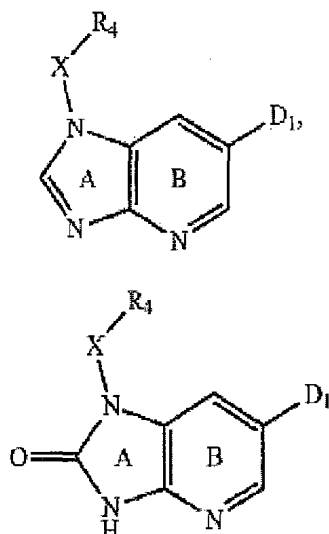
DEFINITIONS

[032] As used in the present specification, the following words, phrases and symbols are generally intended to have the meanings as set forth below, except to the extent that the context in which they are used indicates otherwise. The following abbreviations and terms have the indicated meanings throughout.

[033] As used herein, "cardiovascular disease" refers to diseases, disorders and conditions of the heart and circulatory system that are mediated by BET inhibition. Exemplary cardiovascular diseases, including cholesterol- or lipid-related disorders, include, but are not limited to, acute coronary syndrome, angina, arteriosclerosis, atherosclerosis, carotid atherosclerosis, cerebrovascular disease, cerebral infarction, congestive heart failure, congenital heart disease, coronary heart disease, coronary artery disease, coronary plaque stabilization, dyslipidemias, dyslipoproteinemias, endothelium dysfunctions, familial hypercholesterolemia, familial combined

What is claimed is:

1. A compound of Formulas IIb' or Formula IIc':



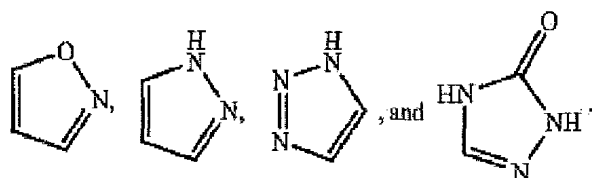
or a stereoisomer, tautomer, pharmaceutically acceptable salt, or hydrate thereof,
wherein:

Rings A and B may be optionally substituted with groups independently selected from hydrogen, deuterium, $-\text{NH}_2$, amino, heterocycle($\text{C}_4\text{-C}_6$), carbocycle($\text{C}_4\text{-C}_6$), halogen, $-\text{CN}$, $-\text{OH}$, $-\text{CF}_3$, alkyl($\text{C}_1\text{-C}_6$), thioalkyl($\text{C}_1\text{-C}_6$), alkenyl($\text{C}_1\text{-C}_6$), and alkoxy($\text{C}_1\text{-C}_6$);

X is selected from $-\text{NH}-$, $-\text{CH}_2-$, $-\text{CH}_2\text{CH}_2-$, $-\text{CH}_2\text{CH}_2\text{CH}_2-$, $-\text{CH}_2\text{CH}_2\text{O}-$, $-\text{CH}_2\text{CH}_2\text{NH}-$, $-\text{CH}_2\text{CH}_2\text{S}-$, $-\text{C}(\text{O})-$, $-\text{C}(\text{O})\text{CH}_2-$, $-\text{C}(\text{O})\text{CH}_2\text{CH}_2-$, $-\text{CH}_2\text{C}(\text{O})-$, $-\text{CH}_2\text{CH}_2\text{C}(\text{O})-$, $-\text{C}(\text{O})\text{NH}-$, $-\text{C}(\text{O})\text{O}-$, $-\text{C}(\text{O})\text{S}-$, $-\text{C}(\text{O})\text{NHCH}_2-$, $-\text{C}(\text{O})\text{OCH}_2-$, $-\text{C}(\text{O})\text{SCH}_2-$, wherein one or more hydrogen may independently be replaced with deuterium, hydroxy, methyl, halogen, $-\text{CF}_3$, ketone, and where S may be oxidized to sulfoxide or sulfone;

R_4 is selected from optionally substituted 3-7 membered carbocycles and heterocycles; and

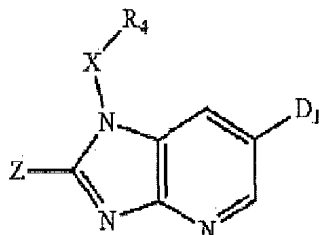
D_1 is selected from the following 5-membered monocyclic heterocycles:



which are optionally substituted with hydrogen, deuterium, alkyl($\text{C}_1\text{-C}_4$), alkoxy($\text{C}_1\text{-C}_4$), amino, halogen, amide, $-\text{CF}_3$, CN , $-\text{N}_3$, ketone ($\text{C}_1\text{-C}_4$), $-\text{S}(\text{O})\text{Alkyl}(\text{C}_1\text{-C}_4)$, $-\text{SO}_2\text{alkyl}(\text{C}_1\text{-C}_4)$, -thioalkyl($\text{C}_1\text{-C}_4$), $-\text{COOH}$, and/or ester, each of which may be optionally substituted with hydrogen, F, Cl, Br, $-\text{OH}$, $-\text{NH}_2$, $-\text{NHMe}$, $-\text{OMe}$, $-\text{SMe}$, oxo, and/or thio-oxo.

2. The compound according to claim 1, selected from Formula IIb'':

IIb''



or a stereoisomer, tautomer, pharmaceutically acceptable salt, or hydrate thereof,
wherein:

Z is selected from hydrogen, deuterium, —NH_2 , amino, alkyl($\text{C}_1\text{—C}_6$), thioalkyl($\text{C}_1\text{—C}_6$), alkenyl($\text{C}_1\text{—C}_6$), and alkoxy($\text{C}_1\text{—C}_6$).

3. The compound according to claim 1, wherein R_4 is selected from 3-7 membered optionally substituted carbocycles.

4. The compound according to claim 3, wherein R_4 is selected from 5-6 membered optionally substituted carbocycles.

5. The compound according to claim 3, wherein R_4 is selected from cycloalkyl($\text{C}_3\text{—C}_6$) and a phenyl ring optionally substituted with one or more groups independently selected from deuterium, alkyl($\text{C}_1\text{—C}_4$), alkoxy($\text{C}_1\text{—C}_4$), halogen, —CF_3 , CN, and $\text{—thioalkyl}(\text{C}_1\text{—C}_4)$, wherein each alkyl, alkoxy, and thioalkyl may be optionally substituted with F, Cl, or Br.

6. The compound according to claim 3, wherein R_4 is a phenyl ring optionally substituted with groups independently selected from hydrogen, deuterium, alkyl($\text{C}_1\text{—C}_4$), alkoxy($\text{C}_1\text{—C}_4$), amino, halogen, amide, —CF_3 , CN, —N_3 , ketone ($\text{C}_1\text{—C}_4$), $\text{—S(O)Alkyl}(\text{C}_1\text{—C}_4)$, $\text{—SO}_2\text{alkyl}(\text{C}_1\text{—C}_4)$, $\text{—thioalkyl}(\text{C}_1\text{—C}_4)$, carboxyl, and/or ester, each of which may be optionally substituted with hydrogen, F, Cl, Br, —OH , —NH_2 , —NHMe , —OMe , —SMe , oxo, and/or thio-oxo.

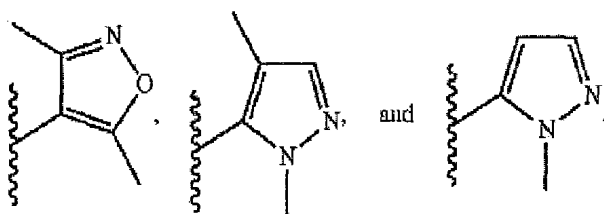
7. The compound according to claim 1, wherein R_4 is selected from 5- or 6-membered heterocycles containing 1 or 2 nitrogens, optionally substituted with groups independently selected from hydrogen, deuterium, alkyl($\text{C}_1\text{—C}_4$), alkoxy($\text{C}_1\text{—C}_4$), amino, halogen, amide, —CF_3 , CN, —N_3 , ketone ($\text{C}_1\text{—C}_4$), $\text{—S(O)Alkyl}(\text{C}_1\text{—C}_4)$, $\text{—SO}_2\text{alkyl}(\text{C}_1\text{—C}_4)$, $\text{—thioalkyl}(\text{C}_1\text{—C}_4)$, carboxyl, and/or ester, each of which may be optionally substituted with hydrogen, F, Cl, Br, —OH , —NH_2 , —NHMe , —OMe , —SMe , oxo, and/or thio-oxo.

8. The compound according to claim 7, wherein R_4 is selected from pyrimidyl, pyridyl, isoxazole, and pyrazole, optionally substituted with groups independently selected from hydrogen, deuterium, alkyl($\text{C}_1\text{—C}_4$), alkoxy($\text{C}_1\text{—C}_4$), amino, halogen, amide, —CF_3 , CN, —N_3 , ketone ($\text{C}_1\text{—C}_4$), $\text{—S(O)Alkyl}(\text{C}_1\text{—C}_4)$, $\text{—SO}_2\text{alkyl}(\text{C}_1\text{—C}_4)$, $\text{—thioalkyl}(\text{C}_1\text{—C}_4)$, carboxyl, and/or ester, each of which may be optionally substituted with hydrogen, F, Cl, Br, —OH , —NH_2 , —NHMe , —OMe , —SMe , oxo,

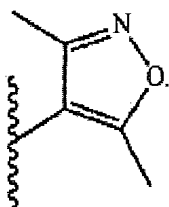
and/or thio-oxo.

9. The compound according to claim 1, wherein D₁ is isoxazole optionally substituted with hydrogen, deuterium, alkyl(C₁-C₄), alkoxy(C₁-C₄), amino, halogen, amide, —CF₃, CN, —N₃, ketone (C₁-C₄), —S(O)Alkyl(C₁-C₄), —SO₂alkyl(C₁-C₄), -thioalkyl(C₁-C₄), —COOH, and/or ester, each of which may be optionally substituted with hydrogen, F, Cl, Br, —OH, —NH₂, —NHMe, —OMe, —SMe, oxo, and/or thio-oxo.

10. The compound according to claim 1, wherein D₁ is selected from



11. The compound according to claim 10, wherein D₁ is



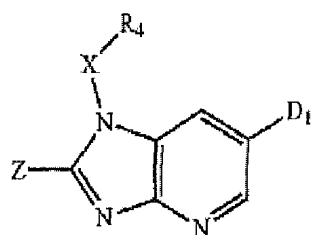
12. The compound according to claim 1, wherein X is selected from —CH₂—, —CH(CH₃)—, —CH(OH)—, —NH—, CH₂CH₂—, where one or more hydrogen may independently be replaced with deuterium or halogen.

13. The compound according to claim 12, wherein X is selected from —CH₂—, CH(CH₃)—, and —NH—, where one or more hydrogen may independently be replaced with deuterium or halogen.

14. The compound according to claim 13, wherein X is selected from —CH₂—, —CH(CH₃)—, where one or more hydrogen may independently be replaced with deuterium or halogen.

15. The compound according to claim 14, wherein —X—R₄ is selected from —CH₂-Aryl.

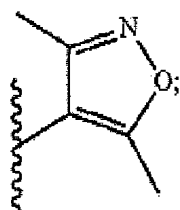
16. The compound according to claim 1, selected from Formula IIb":



or a stereoisomer, tautomer, pharmaceutically acceptable salt, or hydrate thereof,
wherein:

Z is selected from hydrogen, deuterium, —NH_2 , amino, alkyl($\text{C}_1\text{—C}_6$), thioalkyl($\text{C}_1\text{—C}_6$), alkenyl($\text{C}_1\text{—C}_6$), and alkoxy($\text{C}_1\text{—C}_6$);

D_1 is

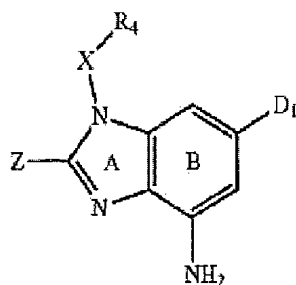


X is selected from $\text{—CH}_2\text{—}$ and $\text{—CH(CH}_3\text{)—}$; and

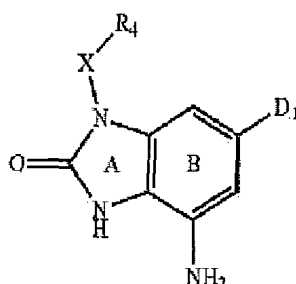
R_4 is a phenyl ring optionally substituted with groups independently selected with one or more groups independently selected from deuterium, alkyl($\text{C}_1\text{—C}_4$), alkoxy($\text{C}_1\text{—C}_4$), halogen, —CF_3 , CN, and -thioalkyl($\text{C}_1\text{—C}_4$), wherein each alkyl, alkoxy, and thioalkyl may be optionally substituted with F, Cl, and/or Br.

17. A compound of Formula IIa''' or Formula IIc''':

IIa'''



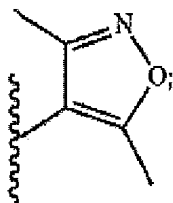
IIc'''



or a stereoisomer, tautomer, pharmaceutically acceptable salt, or hydrate thereof,
wherein:

Z if present, is selected from hydrogen, deuterium, —NH_2 , amino, alkyl($\text{C}_1\text{—C}_6$), thioalkyl($\text{C}_1\text{—C}_6$), alkenyl($\text{C}_1\text{—C}_6$), alkoxy($\text{C}_1\text{—C}_6$), and carboxyl;

D_1 is



X is selected from $\text{—CH}_2\text{—}$ and $\text{—CH(CH}_3\text{)—}$; and

R_4 is a phenyl ring optionally substituted with groups independently selected with one or more groups independently selected from deuterium, alkyl($\text{C}_1\text{—C}_4$), alkoxy($\text{C}_1\text{—C}_4$), halogen, —CF_3 , CN, and -thioalkyl($\text{C}_1\text{—C}_4$), wherein each alkyl, alkoxy, and thioalkyl may be optionally substituted with F, Cl, and/or Br.

18. The compound according to claim 16, wherein the R_4 phenyl ring is substituted with one or more of the following groups:

alkyl($\text{C}_1\text{—C}_4$) selected from methyl, ethyl, propyl, isopropyl, and butyl;

alkoxy($\text{C}_1\text{—C}_4$), selected from methoxy, ethoxy, and isopropoxy;

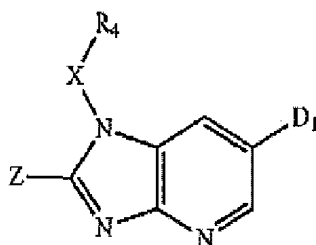
halogen selected from F and Cl; and

thioalkyl($\text{C}_1\text{—C}_4$) selected from —SMe , —SEt , —SPr , and —Sbu .

19. The compound according to claim 2, wherein Z is selected from hydrogen and amino.

20. The compound according to claim 19, wherein Z is amino.

21. A compound of Formula IIb":



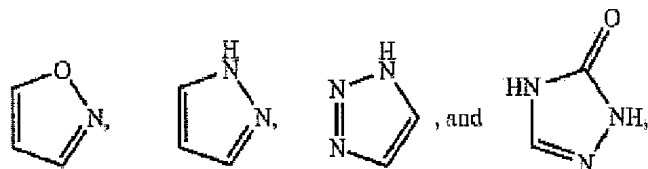
or a stereoisomer, tautomer, pharmaceutically acceptable salt, or hydrate thereof, wherein:

X is selected from —NH— , $\text{—CH}_2\text{—}$, $\text{—CH}_2\text{CH}_2\text{—}$, $\text{—CH}_2\text{CH}_2\text{CH}_2\text{—}$, $\text{—CH}_2\text{CH}_2\text{O—}$, $\text{—CH}_2\text{CH}_2\text{NH—}$, $\text{—CH}_2\text{CH}_2\text{S—}$, —C(O)— , $\text{—C(O)CH}_2\text{—}$, $\text{—C(O)CH}_2\text{CH}_2\text{—}$, $\text{—CH}_2\text{C(O)—}$, $\text{—CH}_2\text{CH}_2\text{C(O)—}$, —

C(O)NH— , —C(O)O— , —C(O)S— , $\text{—C(O)NHCH}_2\text{—}$, $\text{—C(O)OCH}_2\text{—}$, $\text{—C(O)SCH}_2\text{—}$, wherein one or more hydrogen may independently be replaced with deuterium, hydroxy, methyl, halogen, —CF_3 , ketone, and where S may be oxidized to sulfoxide or sulfone;

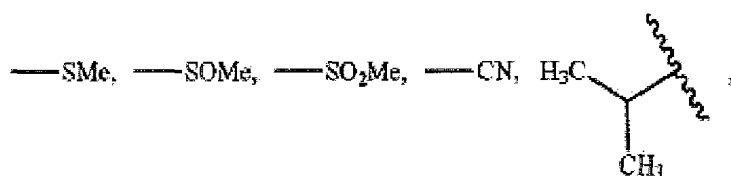
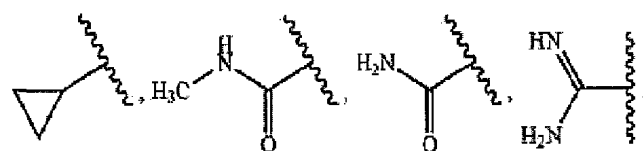
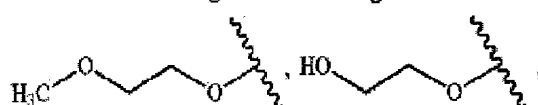
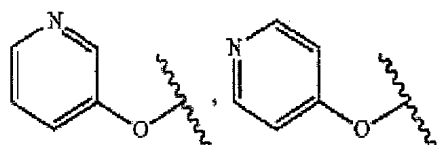
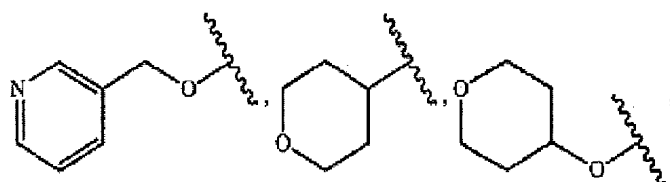
R_4 is selected from optionally substituted 3-7 membered carbocycles and heterocycles; and

D_1 is selected from the following 5-membered monocyclic heterocycles:

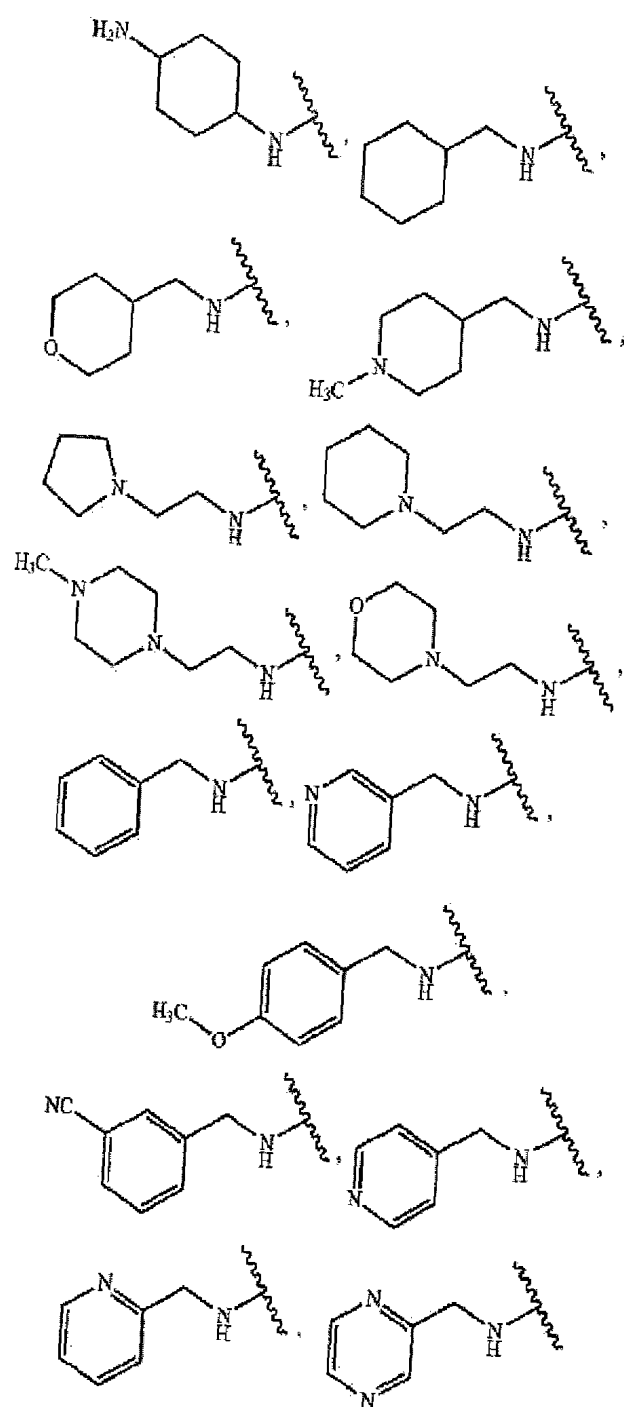


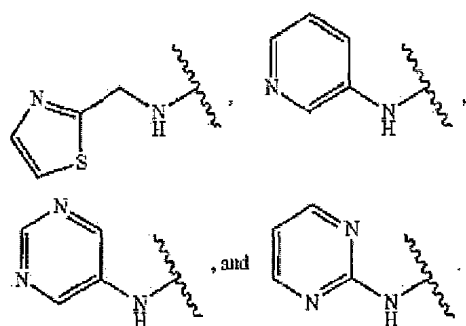
which are optionally substituted with hydrogen, deuterium, alkyl($\text{C}_1\text{--C}_4$), alkoxy($\text{C}_1\text{--C}_4$), amino, halogen, amide, —CF_3 , CN, —N_3 , ketone ($\text{C}_1\text{--C}_4$), $\text{—S(O)Alkyl}(\text{C}_1\text{--C}_4)$, $\text{—SO}_2\text{alkyl}(\text{C}_1\text{--C}_4)$, thioalkyl($\text{C}_1\text{--C}_4$), —COOH , and/or ester, each of which may be optionally substituted with hydrogen, F, Cl, Br, —OH , —NH_2 , —NHMe , —OMe , —SMe , oxo, and/or thio-oxo; and

Z is selected from:

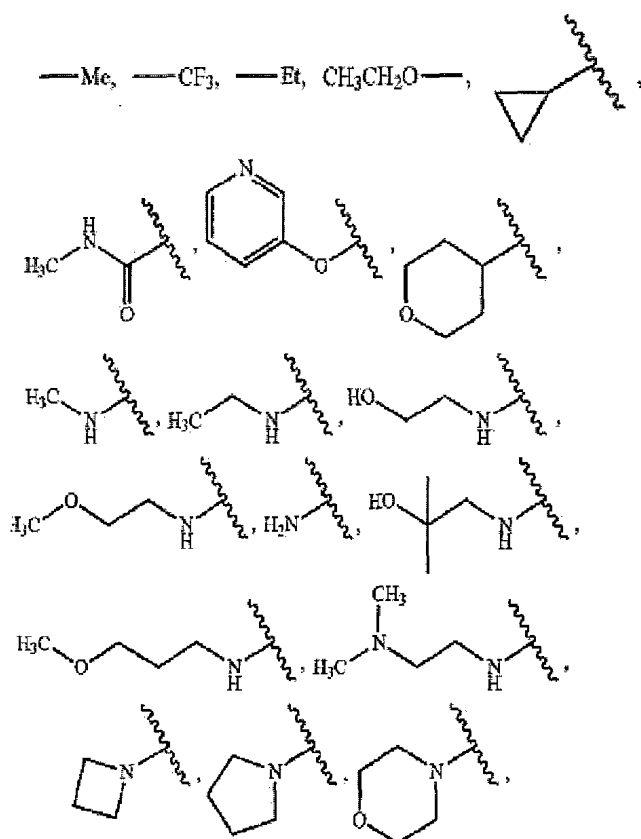


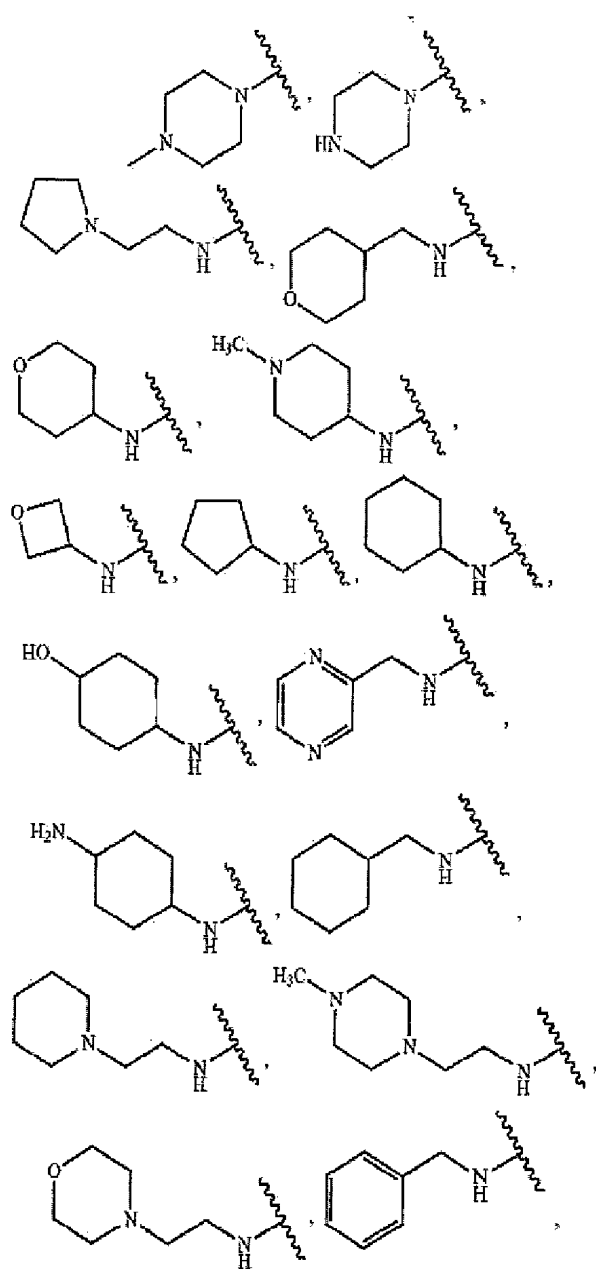


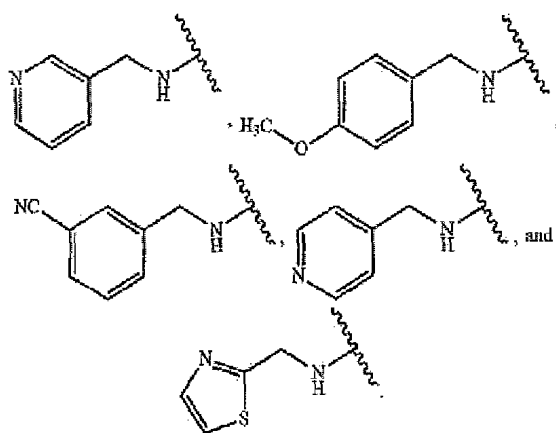




22. The compound according to claim 21, wherein Z is selected from:







23. A compound selected from:

- 4-(3-benzyl-3H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
- 4-(1-benzyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
- 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazol-4-amine;
- N,1-dibenzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazol-4-amine;
- 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
- 4-(1-benzyl-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
- 4-(1-(cyclopropylmethyl)-2-methyl-4-nitro-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;
- 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-4-nitro-1H-benzo[d]imidazol-2(3H)-one;
- 4-amino-1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazol-2(3H)-one;
- 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-ethoxy-1H-benzo[d]imidazol-4-amine;
- 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-ethyl-4-nitro-1H-benzo[d]imidazol-2-amine;
- 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N2-ethyl-1H-benzo[d]imidazole-2,4-diamine;
- methyl 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-oxo-2,3-dihydro-1H-benzo[d]imidazole-4-carboxylate;
- 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-oxo-2,3-dihydro-1H-benzo[d]imidazole-4-carboxamide;
- 4-(aminomethyl)-1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazol-2(3H)-one;
- 6-(3,5-dimethylisoxazol-4-yl)-1-(4-fluorobenzyl)-1H-benzo[d]imidazol-4-amine;
- 6-(3,5-dimethylisoxazol-4-yl)-1-(4-fluorobenzyl)-N-methyl-1H-benzo[d]imidazol-4-amine;
- 6-(3,5-dimethylisoxazol-4-yl)-1-(4-fluorobenzyl)-N,N-dimethyl-1H-benzo[d]imidazol-4-amine;
- 3,5-dimethyl-4-(1-(1-phenylethyl)-1H-imidazo[4,5-b]pyridin-6-yl)isoxazole;
- 4-((6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-imidazo[4,5-b]pyridin-1-yl)methyl)benzamide;
- 3,5-dimethyl-4-(1-(4-(trifluoromethyl)benzyl)-1H-imidazo[4,5-b]pyridin-6-yl)isoxazole;
- 4-(1-(4-chlorobenzyl)-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
- 4-(1-(4-fluorobenzyl)-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
- 3,5-dimethyl-4-(1-(pyridin-2-ylmethyl)-1H-imidazo[4,5-b]pyridin-6-yl)isoxazole;
- 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-4-amine;
- 4-(1-(4-fluorobenzyl)-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
- 4-(1-benzyl-2-ethoxy-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
- 4-((6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-imidazo[4,5-b]pyridin-1-yl)methyl)-3,5-

dimethylisoxazole;
 4-(1-(2,4-dichlorobenzyl)-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 4-(1-(4-methoxybenzyl)-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 4-(1-(cyclopropylmethyl)-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 N-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-4-yl)acetamide;
 N-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-4-yl)ethanesulfonamide;
 4-(1-benzyl-4-methoxy-2-methyl-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;
 3,5-dimethyl-4-(2-methyl-1-(pyridin-3-ylmethyl)-1H-imidazo[4,5-b]pyridin-6-yl)isoxazole;
 3,5-dimethyl-4-(2-methyl-1-(thiophen-2-ylmethyl)-1H-imidazo[4,5-b]pyridin-6-yl)isoxazole;
 4-((6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-imidazo[4,5-b]pyridin-1-yl)methyl)benzonitrile;
 3,5-dimethyl-4-(2-methyl-1-(pyridin-4-ylmethyl)-1H-imidazo[4,5-b]pyridin-6-yl)isoxazole;
 1-(cyclopropylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-4-amine;
 3,5-dimethyl-4-(2-methyl-1-((5-methylthiophen-2-yl)methyl)-1H-imidazo[4,5-b]pyridin-6-yl)isoxazole;
 4-(1-((5-chlorothiophen-2-yl)methyl)-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 5-((6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-imidazo[4,5-b]pyridin-1-yl)methyl)thiophene-2-carbonitrile;
 6-(3,5-dimethylisoxazol-4-yl)-1-(4-fluorobenzyl)-1H-imidazo[4,5-b]pyridine 4-oxide;
 6-(3,5-dimethylisoxazol-4-yl)-1-(4-fluorobenzyl)-1H-imidazo[4,5-b]pyridin-5-yl acetate;
 1-benzyl-6-(1,4-dimethyl-1H-pyrazol-5-yl)-2-methyl-4-nitro-1H-benzo[d]imidazole;
 1-benzyl-6-(1,4-dimethyl-1H-pyrazol-5-yl)-2-methyl-1H-benzo[d]imidazol-4-amine;
 4-(1-(4-chlorobenzyl)-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 4-((6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-imidazo[4,5-b]pyridin-1-yl)methyl)phenol;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazole-4-carbonitrile;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-oxo-2,3-dihydro-1H-benzo[d]imidazole-4-carbonitrile;
 4-amino-1-(4-chlorobenzyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazol-2(3H)-one;
 1-(4-chlorobenzyl)-6-(3,5-dimethylisoxazol-4-yl)-4-nitro-1H-benzo[d]imidazol-2(3H)-one;
 1-benzyl-2-methyl-6-(1-methyl-1H-pyrazol-5-yl)-1H-benzo[d]imidazol-4-amine;
 4-(1-(3,4-dichlorobenzyl)-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1-(1-phenylethyl)-1H-benzo[d]imidazol-4-amine;
 2-(azetidin-1-yl)-1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazol-4-amine;
 1-(3,4-dichlorobenzyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 6-(3,5-dimethylisoxazol-4-yl)-1-(4-methoxybenzyl)-4-nitro-1H-benzo[d]imidazol-2(3H)-one;
 4-amino-6-(3,5-dimethylisoxazol-4-yl)-1-(4-methoxybenzyl)-1H-benzo[d]imidazol-2(3H)-one;
 1-(4-chlorobenzyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 6-(3,5-dimethylisoxazol-4-yl)-1-(thiophen-2-ylmethyl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-ethyl-1H-imidazo[4,5-b]pyridin-2-amine;
 3,5-dimethyl-4-(2-methyl-1-(1-phenylethyl)-1H-imidazo[4,5-b]pyridin-6-yl)isoxazole;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N2-(tetrahydro-2H-pyran-4-yl)-1H-benzo[d]imidazole-2,4-diamine;

6-(3,5-dimethylisoxazol-4-yl)-4-nitro-1-(1-phenylethyl)-1H-benzo[d]imidazol-2(3H)-one;
 N-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-oxo-2,3-dihydro-1H-benzo[d]imidazol-4-yl)acetamide;
 6-(3,5-dimethylisoxazol-4-yl)-1-(1-phenylethyl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 6-(3,5-dimethylisoxazol-4-yl)-N-ethyl-1-(1-phenylethyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 4-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-yl)morpholine;
 4-amino-6-(3,5-dimethylisoxazol-4-yl)-1-(1-phenylethyl)-1H-benzo[d]imidazol-2(3H)-one;
 4-(1-(cyclobutyl methyl)-2-methyl-4-nitro-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;
 4-(1-(cyclopentylmethyl)-2-methyl-4-nitro-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;
 1-(cyclopropylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 N-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-(ethylamino)-1H-benzo[d]imidazol-4-yl)acetamide;
 N-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-ethoxy-1H-benzo[d]imidazol-4-yl)acetamide;
 4-(1-benzyl-4-bromo-2-methyl-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;
 3-benzyl-5-(3,5-dimethylisoxazol-4-yl)-1-ethyl-1H-benzo[d]imidazol-2(3H)-one;
 4-(2-(azetidin-1-yl)-1-benzyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 1-((5-chlorothiophen-2-yl)methyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 (S)-3,5-dimethyl-4-(2-methyl-4-nitro-1-(1-phenylethyl)-1H-benzo[d]imidazol-6-yl)isoxazole;
 (R)-3,5-dimethyl-4-(2-methyl-4-nitro-1-(1-phenylethyl)-1H-benzo[d]imidazol-6-yl)isoxazole;
 6-(3,5-dimethylisoxazol-4-yl)-N-ethyl-4-nitro-1-(1-phenylethyl)-1H-benzo[d]imidazol-2-amine;
 4-(1-benzyl-2-ethyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 4-amino-6-(3,5-dimethylisoxazol-4-yl)-1-(4-hydroxybenzyl)-1H-benzo[d]imidazol-2(3H)-one;
 N-(2-(azetidin-1-yl)-1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazol-4-yl)acetamide;
 1-(cyclopropylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-N-ethyl-1H-imidazo[4,5-b]pyridin-2-amine;
 1-(cyclobutylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-4-amine;
 1-(cyclopentylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-4-amine;
 6-(3,5-dimethylisoxazol-4-yl)-N2-ethyl-1-(1-phenylethyl)-1H-benzo[d]imidazole-2,4-diamine;
 4-(1-benzyl-4-nitro-2-(pyrrolidin-1-yl)-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;
 4-(1-benzyl-2-(4-methylpiperazin-1-yl)-4-nitro-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(2-methoxyethyl)-4-nitro-1H-benzo[d]imidazol-2-amine;
 4-(1-benzyl-2-cyclopropyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N2-(2-methoxyethyl)-1H-benzo[d]imidazole-2,4-diamine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-(pyrrolidin-1-yl)-1H-benzo[d]imidazol-4-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-(4-methylpiperazin-1-yl)-1H-benzo[d]imidazol-4-amine;
 1-benzyl-N6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazole-4,6-diamine;
 (S)-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1-(1-phenylethyl)-1H-benzo[d]imidazol-4-amine;
 (R)-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1-(1-phenylethyl)-1H-benzo[d]imidazol-4-amine;
 1-(cyclopropylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-4-nitro-1H-benzo[d]imidazol-2(3H)-one;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-methyl-1H-imidazo[4,5-b]pyridin-2-amine;
 N,1-dibenzyl-6-(3,5-dimethylisoxazol-4-yl)-4-nitro-1H-benzo[d]imidazol-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-4-nitro-N-(pyridin-3-ylmethyl)-1H-benzo[d]imidazol-2-

amine;

1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-methyl-4-nitro-1H-benzo[d]imidazol-2-amine;

1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-3-methyl-4-nitro-1H-benzo[d]imidazol-2(3H)-one;

1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N2-methyl-1H-benzo[d]imidazole-2,4-diamine;

N,2,1-dibenzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazole-2,4-diamine;

N,1-dibenzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-amine;

1-benzyl-2-methyl-6-(1-methyl-1H-pyrazol-5-yl)-1H-imidazo[4,5-b]pyridine;

1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N2-(pyridin-3-ylmethyl)-1H-benzo[d]imidazole-2,4-diamine;

4-(1-benzyl-4-fluoro-2-methyl-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;

1-(cyclopropylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-N-ethyl-4-nitro-1H-benzo[d]imidazol-2-amine;

1-(cyclopropylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-N2-ethyl-1H-benzo[d]imidazole-2,4-diamine;

4-amino-1-(cyclopropylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazol-2(3H)-one;

4-amino-1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-3-methyl-1H-benzo[d]imidazol-2(3H)-one;

1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-4-fluoro-1H-benzo[d]imidazol-2(3H)-one;

N-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-3-methyl-2-oxo-2,3-dihydro-1H-benzo[d]imidazol-4-yl)acetamide;

4-(1-benzyl-2-(4-methylpiperazin-1-yl)-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;

1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(2-methoxyethyl)-1H-imidazo[4,5-b]pyridin-2-amine;

4-(1-benzyl-2-methyl-4-(methylsulfonyl)-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;

1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(pyridin-4-ylmethyl)-1H-imidazo[4,5-b]pyridin-2-amine;

1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(tetrahydro-2H-pyran-4-yl)-1H-imidazo[4,5-b]pyridin-2-amine;

1-benzyl-6-(1-methyl-1H-pyrazol-5-yl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;

(S)-6-(3,5-dimethylisoxazol-4-yl)-4-nitro-1-(1-phenylethyl)-1H-benzo[d]imidazol-2(3H)-one;

1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-4-ol;

4-(1-benzyl-6-(1-methyl-1H-pyrazol-5-yl)-1H-imidazo[4,5-b]pyridin-2-yl)morpholine;

1-benzyl-6-(1-methyl-1H-pyrazol-5-yl)-N-(tetrahydro-2H-pyran-4-yl)-1H-imidazo[4,5-b]pyridin-2-amine;

4-amino-1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazole-2(3H)-thione;

(S)-4-amino-6-(3,5-dimethylisoxazol-4-yl)-1-(1-phenylethyl)-1H-benzo[d]imidazol-2(3H)-one;

(R)-4-amino-6-(3,5-dimethylisoxazol-4-yl)-1-(1-phenylethyl)-1H-benzo[d]imidazol-2(3H)-one;

1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-7-methyl-1H-imidazo[4,5-b]pyridin-2(3H)-one;

4-(1-benzyl-2,7-dimethyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;

4-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-4-yl)morpholine;

1-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-4-yl)azetidin-2-one;

1-benzyl-2-methyl-6-(1,3,5-trimethyl-1H-pyrazol-4-yl)-1H-benzo[d]imidazol-4-amine;

1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(pyridin-3-ylmethyl)-1H-imidazo[4,5-b]pyridin-2-amine;

4-(4-bromo-2-methyl-1-phenethyl-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;

4-(4-bromo-2-methyl-1-(3-phenylpropyl)-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;

4-(4-bromo-2-methyl-1-(2-phenoxyethyl)-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;
 4-(1-(cyclohexylmethyl)-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 4-(1-(cyclopentylmethyl)-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 4-(1-(cyclobutylmethyl)-2-methyl-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(pyridin-2-ylmethyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 4-(1-benzyl-2-(pyrrolidin-1-yl)-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 2-((1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-yl)amino)ethanol;
 1-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-4-yl)azetidin-3-ol;
 1-benzyl-3-methyl-6-(1-methyl-1H-pyrazol-5-yl)-4-nitro-1H-benzo[d]imidazol-2(3H)-one;
 4-amino-1-benzyl-3-methyl-6-(1-methyl-1H-pyrazol-5-yl)-1H-benzo[d]imidazol-2(3H)-one;
 (4-bromo-6-(3,5-dimethylisoxazol-4-yl)-2-methyl-1H-benzo[d]imidazol-1-yl)(phenyl)methanone;
 1-benzyl-2-methyl-6-(5-methylisoxazol-4-yl)-1H-benzo[d]imidazol-4-amine;
 1-(cyclopentylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 1-(cyclobutylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 N-(1-benzyl-3-methyl-6-(1-methyl-1H-pyrazol-5-yl)-2-oxo-2,3-dihydro-1H-benzo[d]imidazol-4-yl)acetamide;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(4-methoxybenzyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-2-methyl-6-(1-methyl-1H-1,2,3-triazol-5-yl)-1H-imidazo[4,5-b]pyridine;
 4-((1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-yl)amino)cyclohexanol;
 4-(1-(cyclopentylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-yl)morpholine;
 4-(2-(azetidin-1-yl)-1-(cyclopentylmethyl)-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 4-(1-(cyclobutyl methyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-yl)morpholine;
 4-(2-(azetidin-1-yl)-1-(cyclobutylmethyl)-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 N1-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-yl)-N2,N2-dimethylethane-1,2-diamine;
 4-(1-benzyl-2-(piperazin-1-yl)-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 1-benzyl-N-cyclopentyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(2-morpholinoethyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-amine;
 3-(((1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-yl)amino)methyl)benzonitrile;
 (R)-6-(3,5-dimethylisoxazol-4-yl)-1-(1-phenylethyl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 (S)-6-(3,5-dimethylisoxazol-4-yl)-1-(1-phenylethyl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 4-(1-benzyl-2-(tetrahydro-2H-pyran-4-yl)-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-methyl-1H-imidazo[4,5-b]pyridine-2-carboxamide;
 1-(cyclopentylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-N-(tetrahydro-2H-pyran-4-yl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-(cyclobutylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-N-(tetrahydro-2H-pyran-4-yl)-1H-imidazo[4,5-b]pyridin-2-amine;
 N1-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-yl)cyclohexane-1,4-diamine;

1-benzyl-N-(cyclohexylmethyl)-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(3-methoxypropyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(oxetan-3-yl)-1H-imidazo[4,5-b]pyridin-2-amine;
 6-(3,5-dimethylisoxazol-4-yl)-1-(4-fluorobenzyl)-1H-imidazo[4,5-b]pyridin-2(3H)-one;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(pyrazin-2-ylmethyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-((tetrahydro-2H-pyran-4-yl)methyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(2-(4-methylpiperazin-1-yl)ethyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 6-(3,5-dimethylisoxazol-4-yl)-1-(4-fluorobenzyl)-N-methyl-1H-imidazo[4,5-b]pyridin-2-amine;
 1-(4-chlorobenzyl)-6-(3,5-dimethylisoxazol-4-yl)-N-methyl-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-N-cyclohexyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(1-methylpiperidin-4-yl)-1H-imidazo[4,5-b]pyridin-2-amine;
 4-(1-benzyl-2-(pyridin-3-yloxy)-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 1-((1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-yl)amino)-2-methylpropan-2-ol;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(2-(pyrrolidin-1-yl)ethyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(2-(piperidin-1-yl)ethyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 (R)-6-(3,5-dimethylisoxazol-4-yl)-4-nitro-1-(1-phenylethyl)-1H-benzo[d]imidazol-2(3H)-one;
 4-(1-benzyl-7-methoxy-2-(trifluoromethyl)-1H-benzo[d]imidazol-6-yl)-3,5-dimethylisoxazole;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(thiazol-2-ylmethyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazole-2-carboximidamide;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-benzo[d]imidazole-2-carboxamide;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-((1-methylpiperidin-4-yl)methyl)-1H-imidazo[4,5-b]pyridin-2-amine;
 1-(1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-1H-imidazo[4,5-b]pyridin-2-yl)azetidin-3-ol;
 4-(1-benzyl-2-(pyridin-4-yloxy)-1H-imidazo[4,5-b]pyridin-6-yl)-3,5-dimethylisoxazole;
 1-benzyl-6-(3,5-dimethylisoxazol-4-yl)-N-(pyridin-3-yl)-1H-benzo[d]imidazol-2-amine;
 3-(1-benzyl-1H-benzo[d]imidazol-6-yl)-4-ethyl-1H-1,2,4-triazol-5(4H)-one; and
 stereoisomers, tautomers, pharmaceutically acceptable salts, and hydrates thereof.

24. A pharmaceutical composition comprising the compound of claim 1, or a stereoisomer, tautomer, pharmaceutically acceptable salt, or hydrate thereof, and a pharmaceutically acceptable carrier.

25. A pharmaceutical composition comprising the compound of claim 23 or a stereoisomer, tautomer, pharmaceutically acceptable salt, or hydrate thereof, and a pharmaceutically acceptable carrier.