

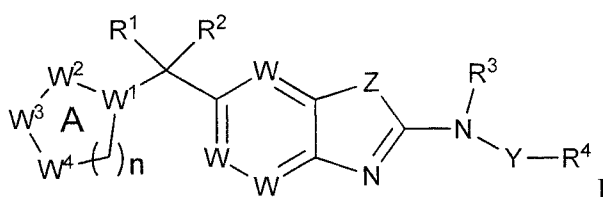
seminomas/dysgerminomas (Blume-Jensen *Nature* 2001 411(17): 355-365. KIT mutations have been also identified in certain melanomas and is recognized as a potential therapeutic target for melanoma (Curtain *et al. J Clin. Oncol.* 2006 24(26):4340-4346).

[0008] There continues to be a need for the identification of small molecules that inhibit RTKs, particularly compounds useful for the treatment of CSF1R-, FLT3, PDGFR β - and/or KIT- mediated diseases.

SUMMARY

[0009] Provided herein are compounds of formula (I) or pharmaceutically acceptable salts, solvates, hydrates, clathrates, single stereoisomers, mixture of stereoisomers or racemic mixture of stereoisomers thereof. In certain embodiment, the compounds have activity as CSF1R, FLT3, KIT, and/or PDGFR β kinase modulators. The compounds are useful in medical treatments, pharmaceutical compositions and methods for modulating the activity of CSF1R, FLT3, KIT, and/or PDGFR β kinases, including wildtype and/or mutated forms of CSF1R, FLT3, KIT, and/or PDGFR β kinases. In certain embodiments, the compounds provided herein have activity as CSF1R, FLT3, KIT, and/or PDGFR β kinase modulators. In one embodiment, the compounds for use in the compositions and methods provided herein have formula (I).

[0010] In one aspect ~~embodiment~~, there is provided a compound of Formula I:



or pharmaceutically acceptable salts, solvates, hydrates, clathrates, single stereoisomers, mixture of stereoisomers or racemic mixture of stereoisomers thereof, wherein:

R¹ and R² are each independently selected from hydrogen, deuterium, halogen, hydroxyl and alkoxy, or R¹ and R² together form =O;

R³ is hydrogen or alkyl;

groups selected from Q^2 ; and the remainder of R^{9a} or R^{11a} is hydrogen, deuterium or alkyl; and the remainder of R^{9b} or R^{11b} is hydrogen or Q^2 ; or

iii) R^{9a} and R^{10b} , R^{9a} and R^{10a} , R^{9b} and R^{10b} , R^{9b} and R^{10a} , R^{10b} and R^{11a} , R^{10a} and R^{11b} , R^{10a} and R^{11b} or R^{10b} and R^{11b} together with the atoms to which they are attached form an aryl, heteroaryl or heterocyclyl ring optionally fused to a phenyl ring optionally substituted with one or more, in one embodiment, one to three, in another embodiment, one, two or three groups selected from Q^2 ; and the remainder of R^{9a} or R^{11a} is hydrogen, , deuterium or alkyl and the remainder of R^{9b} or R^{11b} is hydrogen or Q^2 ;

each Q^2 is independently halo, deuterium, cyano, oxo, thio, alkyl, haloalkyl, haloalkenyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uC(J)R^uN(R^y)(R^z)$, $-R^uC(J)N(R^y)OR^x$, $-C(=NOR^x)R^x$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$ or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more groups Q^4 ; in one embodiment, one to three Q^4 groups, each Q^4 is independently selected from halo, deuterium, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

each R^d is independently hydrogen or alkyl;

each R^u is independently alkylene, alkenylene or a direct bond;

R^w is alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

each R^x is independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, cyanoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

R^y and R^z are each independently selected from (i) or (ii) below:

(i) R^y and R^z are each independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl; or

(ii) R^y and R^z , together with the nitrogen atom to which they are attached, form a heterocyclyl or heteroaryl, optionally substituted with one or more, in one embodiment, one, two or three Q^7 groups; each Q^7 is independently selected from halo, deuterium, oxo, thioxo, hydroxy, alkoxy, alkyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl and heterocyclylalkyl;

J is O, NR^x or S;

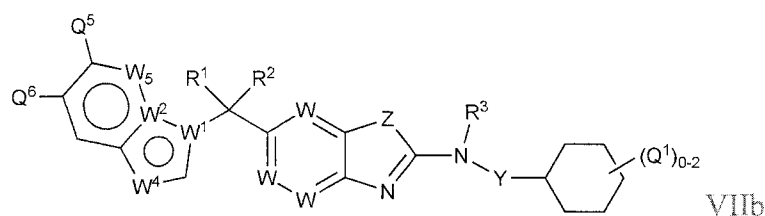
each t is independently an integer from 0-2;

n is 1 or 2; and

q is an integer from 0-4,

wherein the compounds are selected such that: i) when W is CH; W^1 is C; Z is S; R^1 is hydrogen, or hydroxyl and R^2 is hydrogen, or R^1 and R^2 together form =O; then ring A is not pyridine; ii) when W is CH; W^1 is N; Z is S; R^1 and R^2 are hydrogen, then ring A is not pyrrolidine; iii) when W is CH, Z is NH, R^1 and R^2 together form =O, q is 0, and R^4 is pyridinyl, then ring A is not phenyl, iv) when W is CH, Z is NH, R^1 and R^2 together form =O, q is 0, and R^4 is phenyl, then ring A is not pyrrolidine, and v) when Z is N, one of R^1 and R^2 is methyl and the other of R^1 and R^2 is H, q is 0, and R^3 is pyridine, and W^1 is N, ring A cannot be piperidine, 1,2,3,4-tetrahydroisoquinoline, or isoindoline.

[0010a] In one aspect, there is provided a compound having formula VIIb:



or a pharmaceutically acceptable salt, solvate, hydrate, clathrate, a single stereoisomer, a mixture of stereoisomers or a racemic mixture of stereoisomers thereof, wherein:

R^1 and R^2 are each independently selected from hydrogen or halogen;

R^3 is hydrogen or alkyl;

each Q^1 is independently deuterium, halo, cyano, oxo, thioxo, alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$.

$-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$, $=NOR^d$, or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more Q^3 groups, in one embodiment, one to three Q^3 groups; each Q^3 is independently selected from deuterium, halo, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

Y is $-(CR^5R^6)_q$;

R^5 and R^6 are each independently hydrogen, halo, alkyl, haloalkyl or hydroxyalkyl;

Z is O, S, or NH;

each W is independently CR^8 or N;

R^8 is hydrogen, halo, haloalkyl or alkyl;

W^1 is N or C;

W^2 is N or C;

R^{9b} is hydrogen or alkyl;

W^4 is N or CR^{11b} ;

W^5 is N or CR^{13} ;

R^{11b} and R^{13} are each independently hydrogen or Q^2 ;

Q^2 is halo, deuterium, cyano, oxo, thioxo, alkyl, haloalkyl, haloalkenyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uOR^x$,

$-R^uOR^uN(R^y)(R^z)$, -

$R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uC(J)R^uN(R^y)(R^z)$, $-R^uC(J)N(R^y)OR^x$, $-C(=NOR^x)R^x$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$ or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more groups Q^4 ; in one embodiment, one to three Q^4 groups, each Q^4 is independently selected from halo, deuterium, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

Q^5 and Q^6 are each independently hydrogen, deuterium, halo, cyano, oxo, thioxo, alkyl, haloalkyl, aminoalkyl, alkenyl, haloalkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, -
 $R^uOR^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)$

$\text{N}(\text{R}^y)(\text{R}^z), -\text{R}^u\text{C}(\text{J})\text{R}^u\text{N}(\text{R}^y)(\text{R}^z), -$
 $\text{R}^u\text{C}(\text{J})\text{N}(\text{R}^y)\text{OR}^x, -\text{C}(=\text{NOR}^x)\text{R}^x, -\text{R}^u\text{S}(\text{O})\text{R}^w, -\text{R}^u\text{N}(\text{R}^x)\text{C}(\text{J})\text{R}^x, -\text{R}^u\text{N}(\text{R}^x)\text{C}(\text{J})\text{OR}^x, -$
 $\text{R}^u\text{N}(\text{R}^x)\text{S}(\text{O})\text{R}^w$ or $-\text{C}(=\text{NR}^y)\text{N}(\text{R}^y)\text{OR}^x$, where the alkyl, haloalkyl, aminoalkyl,
 alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups
 are optionally substituted with one or more Q^8 groups; each Q^8 is independently
 selected from halo, deuterium, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;
 each R^d is independently hydrogen or alkyl;
 each R^u is independently alkylene, alkenylene or a direct bond;
 R^w is alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl,
 cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl,
 aralkyl, heteroaryl, or heteroaralkyl;
 each R^x is independently hydrogen, alkyl, haloalkyl, hydroxyalkyl,
 alkoxyalkyl, cyanoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl,
 cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or
 heteroaralkyl;
 R^y and R^z are each independently selected from (i) or (ii) below:
 (i) R^y and R^z are each independently hydrogen, alkyl, haloalkyl,
 hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl,
 cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl,
 heteroaryl, or heteroaralkyl; or
 (ii) R^y and R^z , together with the nitrogen atom to which they are attached,
 form a heterocyclyl or heteroaryl, optionally substituted with one or more, in one
 embodiment, one, two or three Q^7 groups; each Q^7 is independently selected from
 halo, deuterium, oxo, thioxo, hydroxy, alkoxy, alkyl, haloalkyl, hydroxyalkyl,
 aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl,
 cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl and
 heterocyclylalkyl;
 J is O, NR^x or S;
 each t is independently an integer from 0-2;
 n is 1 or 2; and
 q is an integer from 0-4.

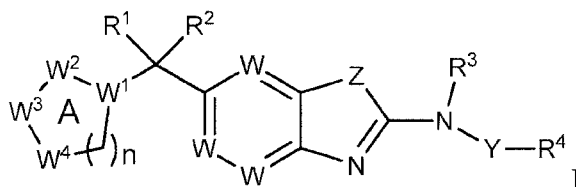
In another aspect, there is provided a pharmaceutical composition comprising a compound as defined above and a pharmaceutically acceptable carrier.

[0011] In one embodiment, the compound provided herein is a compound of formula (I). In one embodiment, the compound provided herein is a pharmaceutically acceptable salt of the compound of formula (I). In one embodiment, the compound provided herein is a solvate of the compound of formula (I). In one embodiment, the compound provided herein is a hydrate of compound of formula (I). In one embodiment, the compound provided herein is a prodrug of the compound of formula (I). In one embodiment, the compound provided herein is a clathrate of the compound of formula (I).

[0012] Also provided are pharmaceutical compositions formulated for administration by an appropriate route and means containing effective concentrations of one or more of the compounds provided herein, or pharmaceutically acceptable salts, solvates, hydrates and prodrugs thereof, and optionally comprising at least one pharmaceutical carrier.

What is claimed is:

1. A compound having formula I:



R^1 and R^2 are each independently selected from hydrogen, deuterium, halogen, hydroxyl and alkoxy, or R^1 and R^2 together form $=O$;

R^3 is hydrogen or alkyl;

R^4 is cycloalkyl, cycloalkenyl, aryl, heterocyclyl or heteroaryl, where R^4 is optionally substituted with one or more, in one embodiment, one to three, in another embodiment, one, two or three groups selected from Q^1 ;

each Q^1 is independently deuterium, halo, cyano, oxo, thioxo, alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$, $=NOR^d$, or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more Q^3 groups, in one embodiment, one to three Q^3 groups; each Q^3 is independently selected from deuterium, halo, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

Y is $-(CR^5R^6)_q$;

R^5 and R^6 are each independently hydrogen, deuterium, halo, alkyl, haloalkyl or hydroxyalkyl;

Z is O, S or NR^7 ;

R^7 is hydrogen, deuterium or alkyl;

each W is independently CR^8 or N;

R^8 is hydrogen, deuterium, halo, haloalkyl or alkyl;

ring A is a aryl, heteroaryl or heterocyclyl optionally substituted with one to four substituents selected from Q^2 ;

W^1 is N or C;

W^2 is N, NR^{9a} or CR^{9b} ;

W^3 is N, NR^{10a} or CR^{10b} ;

W^4 is N, NR^{11a} or CR^{11b} ;

R^{9a} , R^{9b} , R^{10a} , R^{10b} , R^{11a} and R^{11b} are selected as follows:

i) R^{9a} , R^{10a} and R^{11a} are each independently hydrogen, deuterium or alkyl and R^{9b} , R^{10b} and R^{11b} are each independently hydrogen or Q^2 ; or

ii) R^{9a} and R^{10b} , R^{9a} and R^{10a} , R^{9b} and R^{10b} , R^{9b} and R^{10a} , R^{10a} and R^{11a} , R^{10b} and R^{11a} , R^{10a} and R^{11b} or R^{10b} and R^{11b} together with the atoms to which they are attached form an aryl, heteroaryl or heterocyclyl ring, optionally substituted with one or more, in one embodiment, one to three, in another embodiment, one, two or three groups selected from Q^2 ; and the remainder of R^{9a} or R^{11a} is hydrogen, deuterium or alkyl; and the remainder of R^{9b} or R^{11b} is hydrogen or Q^2 ; or

iii) R^{9a} and R^{10b} , R^{9a} and R^{10a} , R^{9b} and R^{10b} , R^{9b} and R^{10a} , R^{10a} and R^{11a} , R^{10b} and R^{11a} , R^{10a} and R^{11b} or R^{10b} and R^{11b} together with the atoms to which they are attached form an aryl, heteroaryl or heterocyclyl ring optionally fused to a phenyl ring optionally substituted with one or more, in one embodiment, one to three, in another embodiment, one, two or three groups selected from Q^2 ; and the remainder of R^{9a} or R^{11a} is hydrogen or alkyl and the remainder of R^{9b} or R^{11b} is hydrogen or Q^2 ;

each Q^2 is independently halo, deuterium, cyano, oxo, thioxo, alkyl, haloalkyl, haloalkenyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uC(J)R^uN(R^y)(R^z)$, $-R^uC(J)N(R^y)OR^x$, $-C(=NOR^x)R^x$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$ or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more groups Q^4 ; in one embodiment, one to three Q^4 groups, each Q^4 is independently selected from halo, deuterium, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

R^d is hydrogen or alkyl;

each R^u is independently alkylene, alkenylene or a direct bond;

R^w is alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

each R^x is independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, cyanoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

R^y and R^z are each independently selected from (i) or (ii) below:

(i) R^y and R^z are each independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl; or

(ii) R^y and R^z , together with the nitrogen atom to which they are attached, form a heterocyclyl or heteroaryl, optionally substituted with one or more, in one embodiment, one, two or three Q^7 groups; each Q^7 is independently selected from halo, deuterium, oxo, thioxo, hydroxy, alkoxy, alkyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl and heterocyclylalkyl;

J is O, NR^x or S;

each t is independently an integer from 0-2;

n is 1 or 2; and

q is an integer from 0-4,

wherein the compounds are selected such that: i) when W is CH; W^1 is C; Z is S; R^1 is hydrogen, or hydroxyl and R^2 is hydrogen, or R^1 and R^2 together form =O; then ring A is not pyridine; ii) when W is CH; W^1 is N; Z is S; R^1 and R^2 are hydrogen, then ring A is not pyrrolidine; iii) when W is CH, Z is NH, R^1 and R^2 together form =O, q is 0, and R^4 is pyridinyl, then ring A is not phenyl, iv) when W is CH, Z is NH, R^1 and R^2 together form =O, q is 0, and R^4 is phenyl, then ring A is not pyrrolidine, and v) when Z is N, one of R^1 and R^2 is methyl and the other of R^1 and R^2 is H, q is 0, and R^3 is pyridine, and W^1 is N, ring A cannot be piperidine, 1,2,3,4-tetrahydroisoquinoline, or isoindoline.

2. The compound of claim 1, where R^1 and R^2 are each independently selected from hydrogen and halogen.

3. The compound of claim 1 or 2, where R^1 and R^2 are each hydrogen.

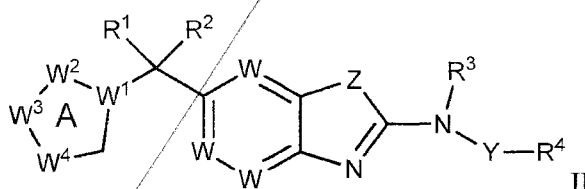
4. The compound of any of claims 1-3, where R^4 is cycloalkyl, optionally substituted with one, two or three groups selected from Q^1 ; each Q^1 is independently halo, oxo, alkyl, haloalkyl, hydroxyalkyl, cycloalkyl, =NOH, $-R^uOR^x$ or $-R^uC(O)R^x$, each R^u is independently alkylene or a direct bond; and each R^x is independently hydrogen or alkyl.

5. The compound of any of claims 1-4, where Y is direct bond, $-CH_2-$, $-CH(CH_3)-$ or $-CH(CH_2OH)-$.

6. The compound of any of claims 1-5, where Z is O or S.

7. The compound of any of claims 1-6, where each W is independently CR^8 or N; and R^8 is hydrogen, haloalkyl or alkyl.

8. The compound of any of claims 1-7, wherein the compound has Formula II



R^1 and R^2 are each independently selected from hydrogen, alkoxy and halogen;

R^3 is hydrogen or alkyl;

R^4 is cycloalkyl, cycloalkenyl, aryl, heterocyclyl or heteroaryl, where R^4 is optionally substituted with one or more, in one embodiment, one to three, in another embodiment, one, two or three groups selected from Q^1 ;

each Q^1 is independently deuterium, halo, cyano, oxo, thioxo, alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$, =NOR^d, or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl,

heteroaryl, and heterocyclyl groups are optionally substituted with one or more Q^3 groups, in one embodiment, one to three Q^3 groups; each Q^3 is independently selected from deuterium, halo, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

Y is $-(CR^5R^6)_q-$;

R^5 and R^6 are each independently hydrogen, halo, alkyl, haloalkyl or hydroxyalkyl;

Z is O, S, or NR^7 ;

R^7 is hydrogen or alkyl;

each W is independently CR^8 or N;

R^8 is hydrogen, halo, haloalkyl or alkyl;

ring A is aryl or heteroaryl, optionally substituted with one to four substituents selected from Q^2 ;

W^1 is N or C;

W^2 is N, NR^{9a} or CR^{9b} ;

W^3 is N, NR^{10a} or CR^{10b} ;

W^4 is N, NR^{11a} or CR^{11b} ;

R^{9a} , R^{9b} , R^{10a} , R^{10b} , R^{11a} and R^{11b} are selected as follows:

i) R^{9a} , R^{10a} and R^{11a} are each independently hydrogen or alkyl and R^{9b} , R^{10b} and R^{11b} are each independently hydrogen or Q^2 ; or

ii) R^{9a} and R^{10b} , R^{9a} and R^{10a} , R^{9b} and R^{10b} , R^{9b} and R^{10a} , R^{10a} and R^{11a} , R^{10b} and R^{11a} , R^{10a} and R^{11b} or R^{10b} and R^{11b} together with the atoms to which they are attached form an aryl or heteroaryl ring, optionally substituted with one or more, in one embodiment, one to three, in another embodiment, one, two or three groups selected from Q^2 ; the remainder of R^{9a} or R^{11a} is hydrogen or alkyl; and the remainder of R^{9b} or R^{11b} is independently hydrogen or Q^2 ;

each Q^2 is independently halo, deuterium, cyano, oxo, thioxo, alkyl, haloalkyl, aminoalkyl, alkenyl, haloalkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uC(J)R^uN(R^y)(R^z)$, $-R^uC(J)N(R^y)OR^x$, $-C(=NOR^x)R^x$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$ or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally

substituted with one or more Q^4 groups; each Q^4 is independently selected from halo, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

each R^d is independently hydrogen or alkyl;

each R^u is independently alkylene, alkenylene or a direct bond;

R^w is alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

each R^x is independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, cyanoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

R^y and R^z are each independently selected from (i) or (ii) below:

(i) R^y and R^z are each independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl; or

(ii) R^y and R^z , together with the nitrogen atom to which they are attached, form a heterocyclyl or heteroaryl, optionally substituted with one or more, in one embodiment, one, two or three Q^7 groups; each Q^7 is independently selected from halo, deuterium, oxo, thioxo, hydroxy, alkoxy, alkyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl and heterocyclylalkyl;

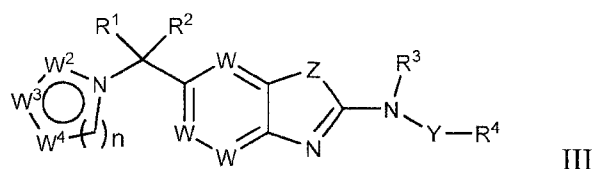
J is O, NR^x or S;

each t is independently an integer from 0-2; and

q is an integer from 0-2;

wherein the compounds are selected such that when i) W is CH; W^1 is C; Z is S; R^1 is hydrogen, or hydroxyl and R^2 is hydrogen, or R^1 and R^2 together form =O; then ring A is not pyridine and ii) when W is CH; W^1 is C; Z is NH; R^1 and R^2 together form =O; and q is 0, then ring A is not phenyl.

9. The compound of claim 1, wherein the compound has Formula III



or a pharmaceutically acceptable salt, solvate, hydrate, a single stereoisomer, a mixture of stereoisomers or a racemic mixture of stereoisomer thereof, wherein:

R^1 and R^2 are each independently selected from hydrogen, halogen, alkoxy and hydroxyl;

R^3 is hydrogen or alkyl;

R^4 is cycloalkyl, aryl, heterocyclyl or heteroaryl, where R^4 is optionally substituted with one or more, in one embodiment, one to three, in another embodiment, one, two or three groups selected from Q^1 ;

each Q^1 is independently deuterium, halo, cyano, oxo, thioxo, alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$, $=NOR^d$, or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more Q^3 groups, in one embodiment, one to three Q^3 groups; each Q^3 is independently selected from deuterium, halo, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

Y is $-(CR^5R^6)_q-$;

R^5 and R^6 are each independently hydrogen, halo, alkyl, haloalkyl or hydroxyalkyl;

Z is O, S or NH;

each W is independently CR^8 or N;

R^8 is hydrogen, halo, haloalkyl or alkyl;

ring A is heteroaryl or heterocyclyl, optionally substituted with one to four substituents selected from Q^2 ;

W^2 is N or CR^{9b} ;

W^3 is N or CR^{10b} ;

W^4 is N or CR^{11b} ;

R^{9b} , R^{10b} and R^{11b} are selected as follows:

i) R^{9b} , R^{10b} and R^{11b} are each independently hydrogen or Q^2 ; or

ii) R^{9b} and R^{10b} or R^{10b} and R^{11b} together with the atoms to which they are attached form an aryl or heteroaryl ring, optionally substituted with one or more, in one embodiment, one to three, in another embodiment, one, two or three groups selected from Q^2 ; and the remainder of R^{9b} , R^{10b} and R^{11b} is hydrogen or Q^2 ;

each Q^2 is independently halo, cyano, oxo, thioxo, alkyl, haloalkyl, aminoalkyl, alkenyl, haloalkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclalkyl, $-R^uOR^x$, $-R^uOR^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uC(J)R^uN(R^y)(R^z)$, $-R^uC(J)N(R^y)OR^x$, $-C(=NOR^x)R^x$, $-R^uS(O)R^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)R^w$ or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more Q^4 groups; each Q^4 is independently selected from halo, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

R^d is hydrogen or alkyl;

each R^u is independently alkylene, alkenylene or a direct bond;

R^w is alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

each R^x is independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, cyanoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

R^y and R^z are each independently selected from (i) or (ii) below:

(i) R^y and R^z are each independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl; or

(ii) R^y and R^z , together with the nitrogen atom to which they are attached, form a heterocyclyl or heteroaryl, optionally substituted with one or more, in one embodiment, one, two or three Q^7 groups; each Q^7 is independently selected from halo, deuterium, oxo, thioxo, hydroxy, alkoxy, alkyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl,

cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl and heterocyclylalkyl;

J is O, NR^x or S;

each t is independently an integer from 0-2;

n is 1 or 2; and

q is an integer from 0-4;

wherein the compound is selected such that: i) when W is CH; Z is S; R^1 and R^2 are hydrogen, then ring A is not pyrrolidine; ii) when W is CH, Z is NH, R^1 and R^2 together form =O, q is 0, and R^4 is phenyl, then ring A is not pyrrolidine, and iii) when Z is NH, one of R^1 and R^2 is methyl and the other of R^1 and R^2 is H, q is 0, and R^3 is pyridine, and W^1 is N, ring A cannot be piperidine, 1,2,3,4-tetrahydroisoquinoline or isoindoline.

10. The compound of claim 9, wherein R^1 and R^2 are each independently selected from hydrogen or halogen;

R^3 is hydrogen or alkyl;

R^4 is cycloalkyl, where R^4 is optionally substituted with one to three groups selected from Q^1 ;

each Q^1 is independently halo, oxo, alkyl, haloalkyl, hydroxyalkyl, cycloalkyl, =NOH, $-\text{R}^u\text{OR}^x$ or $-\text{R}^u\text{C}(\text{O})\text{R}^x$;

Y is $-(\text{CR}^5\text{R}^6)_q$;

R^5 and R^6 are each independently hydrogen, halo, alkyl, haloalkyl or hydroxyalkyl;

Z is O, S, or NH;

each W is independently CR^8 or N;

R^8 is hydrogen, halo, haloalkyl or alkyl;

ring A is heteroaryl or heterocyclyl, optionally substituted with one to four substituents selected from Q^2 ;

W^2 is N or CR^{9b} ;

W^3 is N or CR^{10b} ;

W^4 is N or CR^{11b} ;

R^{9b} , R^{10b} and R^{11b} are selected as follows:

i) R^{9b} , R^{10b} and R^{11b} are each independently hydrogen or Q^2 ; or

ii) R^{9b} and R^{10b} or R^{10b} and R^{11b} , together with the atoms on which they are substituted form an aryl, heteroaryl ring, optionally substituted with one or two groups selected from Q^2 ; and the remainder of R^{9b} or R^{11b} is hydrogen or Q^2 ;

each Q^2 is hydrogen, halo, alkoxy, tetrazole or pyrazole, where the tetrazole and pyrazole rings are optionally substituted with one or more alkyl;

each R^u is independently alkylene or a direct bond;

R^w is alkyl;

each R^x is independently hydrogen or alkyl;

R^y and R^z are each independently hydrogen or alkyl;

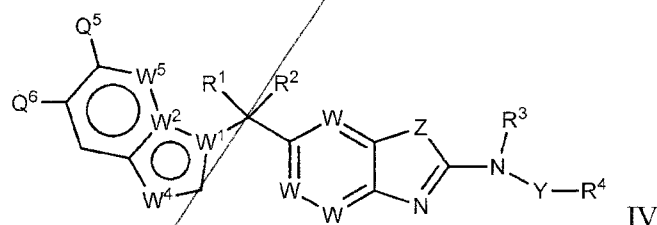
J is O, NR^x or S;

each t is independently an integer from 0-2;

n is 1 or 2; and

q is an integer from 0-4.

11. The compound of claim 1, wherein the compound has Formula IV



or a pharmaceutically acceptable salt, solvate, hydrate, stereoisomer, mixture of stereoisomers or racemic mixture of stereoisomers thereof.

12. The compound of claim 11, wherein:

R^1 and R^2 are each independently selected from hydrogen or halogen;

R^3 is hydrogen or alkyl;

R^4 is cycloalkyl, cycloalkenyl, aryl, heterocyclyl or heteroaryl, where R^4 is optionally substituted with one or more, in one embodiment, one to three, in another embodiment, one, two or three groups selected from Q^1 ;

each Q^1 is independently deuterium, halo, cyano, oxo, thioxo, alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, -

R^uSR^x , $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$, $=NOR^d$, or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more Q^3 groups, in one embodiment, one to three Q^3 groups; each Q^3 is independently selected from deuterium, halo, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

Y is $-(CR^5R^6)_q-$;

R^5 and R^6 are each independently hydrogen, halo, alkyl, haloalkyl or hydroxyalkyl;

Z is O, S, or NH;

each W is independently CR^8 or N;

R^8 is hydrogen, halo, haloalkyl or alkyl;

W^1 is N or C;

W^2 is N or CR^{9b} ;

R^{9b} is hydrogen or Q^2 ;

W^4 is N or CR^{11b} ;

W^5 is N or CR^{13} ;

R^{11b} and R^{13} are each independently hydrogen or Q^2 ;

Q^2 is halo, deuterium, cyano, oxo, thioxo, alkyl, haloalkyl, haloalkenyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uC(J)R^uN(R^y)(R^z)$, $-R^uC(J)N(R^y)OR^x$, $-C(=NOR^x)R^x$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$ or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more groups Q^4 ; in one embodiment, one to three Q^4 groups, each Q^4 is independently selected from halo, deuterium, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

Q^5 and Q^6 are each independently hydrogen, deuterium, halo, cyano, oxo, thioxo, alkyl, haloalkyl, aminoalkyl, alkenyl, haloalkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$,

$-R^u C(J)R^x$, $-R^u C(J)OR^x$, $-R^u C(J)N(R^y)(R^z)$, $-R^u C(J)R^u N(R^y)(R^z)$, $-R^u C(J)N(R^y)OR^x$, $-C(=NOR^x)R^x$, $-R^u S(O)R^w$, $-R^u N(R^x)C(J)R^x$, $-R^u N(R^x)C(J)OR^x$, $-R^u N(R^x)S(O)R^w$ or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more Q^8 groups; each Q^8 is independently selected from halo, deuterium, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

each R^d is independently hydrogen or alkyl;

R^d is hydrogen or alkyl;

each R^u is independently alkylene, alkenylene or a direct bond;

R^w is alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

each R^x is independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, cyanoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

R^y and R^z are each independently selected from (i) or (ii) below:

(i) R^y and R^z are each independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl; or

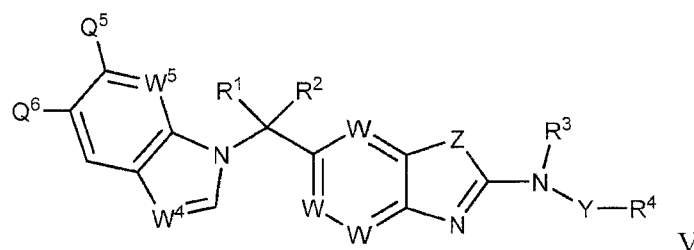
(ii) R^y and R^z , together with the nitrogen atom to which they are attached, form a heterocyclyl or heteroaryl, optionally substituted with one or more, in one embodiment, one, two or three Q^7 groups; each Q^7 is independently selected from halo, deuterium, oxo, thioxo, hydroxy, alkoxy, alkyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl and heterocyclylalkyl;

J is O, NR^x or S;

each t is independently an integer from 0-2; and

q is an integer from 0-4.

13. The compound of claim 1, wherein the compound has Formula V



or a pharmaceutically acceptable salt, solvate, hydrate, single stereoisomer, mixture of stereoisomers or racemic mixture of stereoisomers thereof, wherein:

R^1 and R^2 are each independently selected from hydrogen or halogen;

R^3 is hydrogen or alkyl;

R^4 is cycloalkyl, aryl, heterocyclyl or heteroaryl, where R^4 is optionally substituted with one or more, in one embodiment, one to three, in another embodiment, one, two or three groups selected from Q^1 ;

each Q^1 is independently deuterium, halo, cyano, oxo, thioxo, alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$, $=NOR^d$, or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more Q^3 groups, in one embodiment, one to three Q^3 groups; each Q^3 is independently selected from deuterium, halo, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

Y is $-(CR^5R^6)_q$;

R^5 and R^6 are each independently hydrogen, halo, alkyl, haloalkyl or hydroxyalkyl;

Z is O, S, or NH;

each W is independently CR^8 or N;

R^8 is hydrogen, halo, haloalkyl or alkyl;

W^4 is N or CR^{11b} ;

W^5 is N or CR^{13} ;

R^{11b} and R^{13} are each independently hydrogen or Q^2 ;

Q^2 is halo, deuterium, cyano, oxo, thioxo, alkyl, haloalkyl, haloalkenyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl,

cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uC(J)R^uN(R^y)(R^z)$, $-R^uC(J)N(R^y)OR^x$, $-C(=NOR^x)R^x$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$ or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more groups Q^4 ; in one embodiment, one to three Q^4 groups, each Q^4 is independently selected from halo, deuterium, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

Q^5 and Q^6 are each independently hydrogen, deuterium, halo, cyano, oxo, thioxo, alkyl, haloalkyl, aminoalkyl, alkenyl, haloalkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uC(J)R^uN(R^y)(R^z)$, $-R^uC(J)N(R^y)OR^x$, $-C(=NOR^x)R^x$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$ or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more Q^8 groups; each Q^8 is independently selected from halo, deuterium, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

each R^d is independently hydrogen or alkyl;

each R^u is independently alkylene, alkenylene or a direct bond;

R^w is alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

each R^x is independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, cyanoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

R^y and R^z are each independently selected from (i) or (ii) below:

(i) R^y and R^z are each independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl; or

(ii) R^y and R^z , together with the nitrogen atom to which they are attached, form a heterocyclyl or heteroaryl, optionally substituted with one or more, in one embodiment, one, two or three Q^7 groups; each Q^7 is independently selected from halo, deuterium, oxo, thioxo, hydroxy, alkoxy, alkyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl and heterocyclylalkyl;

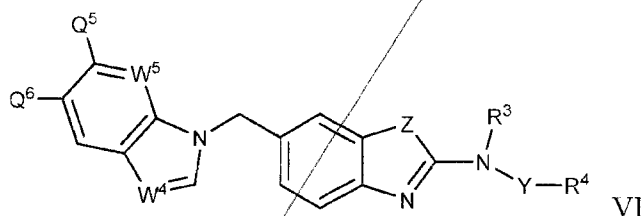
R^y and R^z are each independently hydrogen or alkyl;

J is O, NR^x or S;

each t is independently an integer from 0-2; and

q is an integer from 0-4.

14. The compound of claim 1, wherein the compound has Formula VI



or a pharmaceutically acceptable salt, solvate, hydrate, single stereoisomer, mixture of stereoisomers or racemic mixture of stereoisomers thereof, wherein

R^3 is hydrogen or alkyl;

R^4 is cycloalkyl, aryl, heterocyclyl or heteroaryl, where R^4 is optionally substituted with one or more, in one embodiment, one to three, in another embodiment, one, two or three groups selected from Q^1 ;

each Q^1 is independently deuterium, halo, cyano, oxo, thioxo, alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$, $=NOR^d$, or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more Q^3

groups, in one embodiment, one to three Q^3 groups; each Q^3 is independently selected from deuterium, halo, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

Y is $-(CR^5R^6)_q-$;

R^5 and R^6 are each independently hydrogen, halo, alkyl, haloalkyl or hydroxyalkyl;

Z is O, S, or NH;

W^5 is N or CH;

W^4 is N or CR^{11b} ;

R^{11b} is hydrogen or Q^2 ;

Q^2 is halo, deuterium, cyano, oxo, thioxo, alkyl, haloalkyl, haloalkenyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uC(J)R^uN(R^y)(R^z)$, $-R^uC(J)N(R^y)OR^x$, $-C(=NOR^x)R^x$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$ or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more groups Q^4 ; in one embodiment, one to three Q^4 groups, each Q^4 is independently selected from halo, deuterium, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

Q^5 and Q^6 are each independently hydrogen, deuterium, halo, cyano, oxo, thioxo, alkyl, haloalkyl, aminoalkyl, alkenyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uC(J)R^uN(R^y)(R^z)$, $-R^uC(J)N(R^y)OR^x$, $-C(=NOR^x)R^x$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$ or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more Q^8 groups; each Q^8 is independently selected from halo, deuterium, hydroxyl, alkyl, haloalkyl and hydroxyalkyl; Q^5 and Q^6 are each independently hydrogen, deuterium, halo, cyano, oxo, thioxo, alkyl, haloalkyl, aminoalkyl, alkenyl, haloalkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl,

heterocyclalkyl, $-R^uOR^x$, $-R^uOR^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uC(J)R^uN(R^y)(R^z)$, $-R^uC(J)N(R^y)OR^x$, $-C(=NOR^x)R^x$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$ or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocycl groups are optionally substituted with one or more Q^8 groups; each Q^8 is independently selected from halo, deuterium, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

each R^d is independently hydrogen or alkyl;

each R^u is independently alkylene, alkenylene or a direct bond;

R^w is alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocycl, heterocyclalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

each R^x is independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, cyanoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocycl, heterocyclalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

R^y and R^z are each independently selected from (i) or (ii) below:

(i) R^y and R^z are each independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocycl, heterocyclalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl; or

(ii) R^y and R^z , together with the nitrogen atom to which they are attached, form a heterocycl or heteroaryl, optionally substituted with one or more, in one embodiment, one, two or three Q^7 groups; each Q^7 is independently selected from halo, deuterium, oxo, thio, hydroxy, alkoxy, alkyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocycl and heterocyclalkyl;

J is O, NR^x or S;

each t is independently an integer from 0-2; and

q is an integer from 0-4.

15. The compound of any of claims 11, 12 and 13 where each Q^1 is independently halo, oxo, alkyl, haloalkyl, hydroxyalkyl, cycloalkyl, $=NOH$, $-R^uOR^x$

or $-R^u C(O)R^x$; each R^u is independently alkylene or a direct bond; and each R^x is independently hydrogen or alkyl

16. The compound of any of claims 11, 12, 13 and 14, where Q^5 and Q^6 are each independently hydrogen, halo, cyano, alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^u OR^x$, $-R^u N(R^y)(R^z)$, $-R^u SR^x$, $-R^u C(J)R^x$, $-R^u C(J)OR^x$, $-R^u C(J)N(R^y)(R^z)$, $-R^u C(J)N(R^y)OR^x$, $-R^u S(O)_t R^w$, $-R^u N(R^x)C(J)R^x$, $-R^u N(R^x)C(J)OR^x$, $-R^u N(R^x)S(O)_t R^w$ or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one to three Q^8 groups; each Q^8 is independently selected from halo, deuterium, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

each R^u is independently alkylene or a direct bond;

R^w is alkyl;

each R^x is independently hydrogen or alkyl;

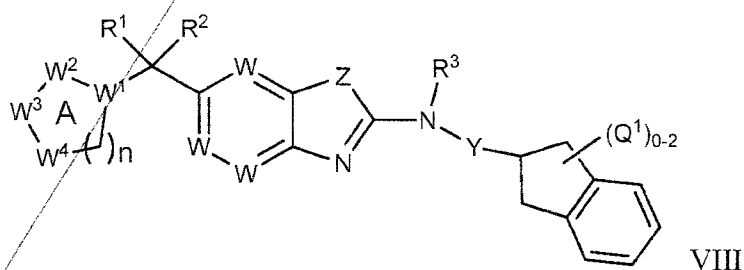
R^y and R^z are each independently hydrogen or alkyl;

J is O, NR^x or S;

each t is independently an integer from 0-2; and

q is an integer from 0-4.

17. The compound of claim 1, wherein the compound has Formula VIII



or a pharmaceutically acceptable salt, solvate, hydrate, single stereoisomer, mixture of stereoisomers or racemic mixture of stereoisomers thereof, wherein:

R^1 and R^2 are each independently selected from hydrogen or halogen;

R^3 is hydrogen or alkyl;

each Q^1 is independently deuterium, halo, cyano, oxo, thioxo, alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl,

heterocyclalkyl, $-R^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$, $=NOR^d$, or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclalkyl groups are optionally substituted with one or more Q^3 groups, in one embodiment, one to three Q^3 groups; each Q^3 is independently selected from deuterium, halo, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

Y is $-(CR^5R^6)_q$;

R^5 and R^6 are each independently hydrogen, halo, alkyl, haloalkyl or hydroxyalkyl;

Z is O, S, or NH;

each W is independently CR^8 or N;

R^8 is hydrogen, haloalkyl or alkyl;

ring A is aryl or heteroaryl, optionally substituted with one to four substituents selected from Q^2 ;

W^1 is N or C;

W^2 is N, NR^{9a} or CR^{9b} ;

W^3 is N, NR^{10a} or CR^{10b} ;

W^4 is N, NR^{11a} or CR^{11b} ;

R^{9a} , R^{9b} , R^{10a} , R^{10b} , R^{11a} and R^{11b} are selected as follows:

i) R^{9a} , R^{10a} and R^{11a} are each independently hydrogen or alkyl and R^{9b} , R^{10b} and R^{11b} are each independently hydrogen or Q^2 ; or

ii) R^{9a} and R^{10b} , R^{9b} and R^{10b} , R^{9b} and R^{10a} , R^{10b} and R^{11a} , R^{10a} and R^{11b} or R^{10b} and R^{11b} , together with the atoms to which they are attached form an aryl, heteroaryl ring, wherein the aryl, heteroaryl ring is optionally substituted with one or more, in one embodiment, one to three, in another embodiment, one, two or three groups selected from Q^2 ; and the remainder of R^{9a} or R^{11a} is hydrogen or alkyl and the remainder of R^{9b} or R^{11b} is hydrogen or Q^2 ;

each Q^2 is independently halo, cyano, oxo, thioxo, alkyl, haloalkyl, aminoalkyl, alkenyl, haloalkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclalkyl, heterocyclalkylalkyl, $-R^uOR^x$, $-R^uOR^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uC(J)R^uN(R^y)(R^z)$, $-R^uC(J)N(R^y)OR^x$, $-C(=NOR^x)R^x$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, -

$R^u N(R^x)S(O)_q R^w$ or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more Q^4 groups; each Q^4 is independently selected from halo, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

each R^d is independently hydrogen or alkyl;

each R^u is independently alkylene, alkenylene or a direct bond;

R^w is alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

each R^x is independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, cyanoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

R^y and R^z are each independently selected from (i) or (ii) below:

(i) R^y and R^z are each independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl; or

(ii) R^y and R^z , together with the nitrogen atom to which they are attached, form a heterocyclyl or heteroaryl, optionally substituted with one or more, in one embodiment, one, two or three Q^7 groups; each Q^7 is independently selected from halo, deuterium, oxo, thioxo, hydroxy, alkoxy, alkyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl and heterocyclylalkyl;

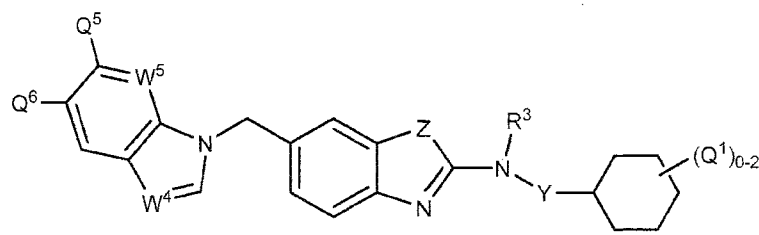
J is O, NR^x or S;

each t is independently an integer from 0-2;

n is 1 or 2; and

q is an integer from 0-4.

18. The compound of claim 1, wherein the compound has Formula IX



IX

or a pharmaceutically acceptable salt, solvate, hydrate, single stereoisomer, mixture of stereoisomers or racemic mixture of stereoisomers thereof, wherein:

R^3 is hydrogen or alkyl;

each Q^1 is independently deuterium, halo, cyano, oxo, thioxo, alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$, $=NOR^d$, or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more Q^3 groups, in one embodiment, one to three Q^3 groups; each Q^3 is independently selected from deuterium, halo, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

Y is $-(CR^5R^6)_q$;

R^5 and R^6 are each independently hydrogen, halo, alkyl, haloalkyl or hydroxyalkyl;

Z is O, S, or NH;

W^4 is N or CR^{11b} ;

W^5 is N or CR^{13} ;

R^{11b} and R^{13} are each independently hydrogen or Q^2 ;

each Q^2 is independently halo, deuterium, cyano, oxo, thioxo, alkyl, haloalkyl, haloalkenyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uC(J)R^uN(R^y)(R^z)$, $-R^uC(J)N(R^y)OR^x$, $-C(=NOR^x)R^x$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$ or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more groups Q^4 ; in one embodiment, one to

three Q^4 groups, each Q^4 is independently selected from halo, deuterium, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

Q^5 and Q^6 are each independently hydrogen, halo, cyano, alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$ or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more Q^8 groups; each Q^8 is independently selected from halo, deuterium, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

R^d is hydrogen or alkyl;

each R^u is independently alkylene, alkenylene or a direct bond;

R^w is alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

each R^x is independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, cyanoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

R^y and R^z are each independently selected from (i) or (ii) below:

(i) R^y and R^z are each independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl; or

(ii) R^y and R^z , together with the nitrogen atom to which they are attached, form a heterocyclyl or heteroaryl, optionally substituted with one or more, in one embodiment, one, two or three Q^7 groups; each Q^7 is independently selected from halo, deuterium, oxo, thioxo, hydroxy, alkoxy, alkyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl and heterocyclylalkyl;

J is O, NR^x or S;

each t is independently an integer from 0-2;

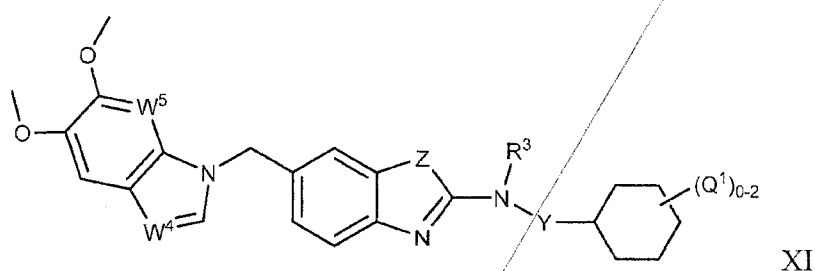
n is 1 or 2; and

q is an integer from 0-4.

19. The compound of claim 17, wherein Q^5 and Q^6 are each independently hydrogen, halo, alkoxy, tetrazole or pyrazole, where the tetrazole and pyrazole rings are optionally substituted with one or two alkyl groups.

20. The compound of claim 17 or 18, wherein, Q^5 and Q^6 are each independently hydrogen, chloro, fluoro, bromo or methoxy.

21. The compound of claim 1 having Formula XI



or a pharmaceutically acceptable salt, solvate, hydrate, single stereoisomer, mixture of stereoisomers or racemic mixture of stereoisomers thereof, wherein:

R^3 is hydrogen or alkyl;

each Q^1 is independently halo, oxo, alkyl, haloalkyl, hydroxyalkyl, cycloalkyl, =NOH, $-R^uOR^x$ or $-R^uC(O)R^x$;

each R^u is independently alkylene or a direct bond;

each R^x is independently hydrogen or alkyl;

Y is $-(CR^5R^6)_q$;

R^5 and R^6 are each independently hydrogen, halo, alkyl, haloalkyl or hydroxyalkyl;

Z is O, S, or NH;

W^4 is N or CR^{11b} ;

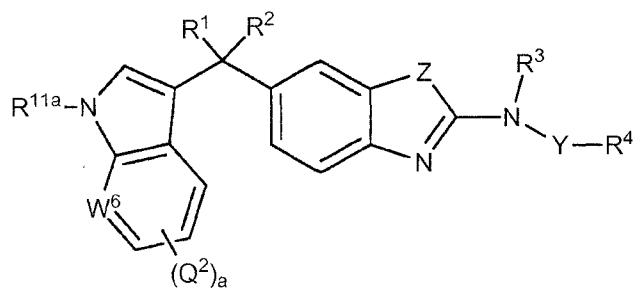
R^{11b} is hydrogen, halo or alkyl;

W^5 is N or CR^{13} ;

R^{13} is hydrogen, halo or alkyl; and

q is an integer from 0-4.

22. The compound of claim 1 having Formula XII:



XII

or a pharmaceutically acceptable salt, solvate, hydrate, single stereoisomer, mixture of stereoisomers or racemic mixture of stereoisomers thereof, wherein,

R^3 is hydrogen or alkyl;

R^4 is cycloalkyl, aryl, heterocyclyl or heteroaryl, where R^4 is optionally substituted with one to three groups selected from Q^1 ;

each Q^1 is independently halo, oxo, alkyl, haloalkyl, hydroxyalkyl, cycloalkyl, =NOH, $-R^uOR^x$ or $-R^uC(O)R^x$;

each R^u is independently alkylene or a direct bond;

each R^x is independently hydrogen or alkyl;

Y is $-(CR^5R^6)_q$;

R^5 and R^6 are each independently hydrogen, halo, alkyl, haloalkyl or hydroxyalkyl;

Z is O, S, or NH;

R^{11a} is hydrogen or alkyl;

W^6 is N or CR^{14} ;

R^{14} is hydrogen or alkyl;

a is 0-4; and

q is an integer from 0-4.

23. The compound of claim 1, wherein the compound is selected from:

2-((6-((1H-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

(1R,2R)-2-((6-((5,6-dimethoxy-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

2-((6-((5,6-dimethoxy-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

(1R,2R)-2-((6-((3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol methanesulfonic acid,

(1*R*,2*R*)-2-(((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol

2-(((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol

(1*R*,2*R*)-2-(((6-((6-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-(((6-((6-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-(((6-((5-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-(((6-((5-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-(((6-((1*H*-imidazo[4,5-*b*]pyridin-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-(((6-((1*H*-imidazo[4,5-*b*]pyridin-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-(((6-((1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-(((6-((1*H*-imidazo[4,5-*b*]pyridin-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*S*,2*S*)-2-(((6-((1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-(((6-((1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(*R*)-6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)-*N*-((tetrahydrofuran-2-yl)methyl)benzo[*d*]thiazol-2-amine,

6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)-*N*-((tetrahydrofuran-2-yl)methyl)benzo[*d*]thiazol-2-amine,

6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)-*N*-(pyridin-2-ylmethyl)benzo[*d*]thiazol-2-amine,

(1*R*,2*S*)-1-(((6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,

1-(((6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,

(*S*)-*N*-(2,3-dihydro-1*H*-inden-1-yl)-6-((5,6-dimethoxy-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-amine,

N-(2,3-dihydro-1*H*-inden-1-yl)-6-((5,6-dimethoxy-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-amine,

(1*R*,2*R*)-2-((6-(methoxy(1*H*-pyrrolo[2,3-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

2-((6-(methoxy(1*H*-pyrrolo[2,3-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

N-benzyl-6-((5,6-dimethoxy-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-amine,

6-((5,6-dimethoxy-1*H*-benzo[d]imidazol-1-yl)methyl)-*N*-(2-morpholinoethyl)benzo[d]thiazol-2-amine,

6-((5,6-dimethoxy-1*H*-benzo[d]imidazol-1-yl)methyl)-*N*-(tetrahydro-2*H*-pyran-4-yl)benzo[d]thiazol-2-amine,

N-cyclohexyl-6-((5,6-dimethoxy-1*H*-benzo[d]imidazol-1-yl)methyl)-*N*-methylbenzo[d]thiazol-2-amine,

(1*R*,2*R*)-2-((6-((1*H*-pyrrolo[2,3-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

2-((6-((1*H*-pyrrolo[2,3-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

N-cyclohexyl-6-((5,6-dimethoxy-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-amine,

(1*R*,2*R*)-1-((6-((5,6-dimethoxy-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,

1-((6-((5,6-dimethoxy-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,

(1*R*,2*R*)-2-((6-((5,6-dimethoxy-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclopentanol,

2-((6-((5,6-dimethoxy-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclopentanol,

6-((5,6-dimethoxy-1*H*-benzo[d]imidazol-1-yl)methyl)-*N*-(pyridin-4-ylmethyl)benzo[d]thiazol-2-amine,

6-((5,6-dimethoxy-1*H*-benzo[d]imidazol-1-yl)methyl)-*N*-phenylbenzo[d]thiazol-2-amine,

(1*R*,2*R*)-2-((6-((5-methoxy-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
2-((6-((5-methoxy-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
1-(4-((6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)piperidin-1-yl)ethanone acetic acid,
1-(4-((6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)piperidin-1-yl)ethanone,
(*R,S*)-6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)-*N*-(tetrahydrofuran-3-yl)benzo[*d*]thiazol-2-amine acetic acid,
(*R,S*)-6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)-*N*-(tetrahydrofuran-3-yl)benzo[*d*]thiazol-2-amine,
6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)-*N*-(tetrahydrofuran-3-yl)benzo[*d*]thiazol-2-amine,
3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridin-2-aminium acetic acid,
3-((2-((-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridin-2-aminium acetic acid,
(1*R*,2*R*)-2-((6-((2-amino-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
2-((6-((2-amino-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)-*N*-(2-ethoxyphenyl)benzo[*d*]thiazol-2-amine,
N-(cyclohexylmethyl)-6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-amine,
(1*R*,2*R*)-2-((6-((6-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
2-((6-((6-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)-*N*-(2-methoxyphenyl)benzo[*d*]thiazol-2-amine,
2-((6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)phenol,

(1*R*,2*R*)-1-((6-((4-(1-methyl-1*H*-pyrazol-4-yl)-1*H*-imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,
1-((6-((4-(1-methyl-1*H*-pyrazol-4-yl)-1*H*-imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,
(1*R*,2*R*)-1-((6-((5-(1-methyl-1*H*-pyrazol-4-yl)-1*H*-imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,
1-((6-((5-(1-methyl-1*H*-pyrazol-4-yl)-1*H*-imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,
(*S*)-*N*-(1-cyclohexylethyl)-6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-amine,
N-(1-cyclohexylethyl)-6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-amine,
(1*R*,2*R*)-2-((6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol,
2-((6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol,
N-(cyclohexylmethyl)-6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]oxazol-2-amine,
(1*R*,2*R*)-2-((6-((4-(1-methyl-1*H*-pyrazol-4-yl)-1*H*-imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
2-((6-((4-(1-methyl-1*H*-pyrazol-4-yl)-1*H*-imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-*N*-methyl-1*H*-imidazole-4-carboxamide,
1-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-*N*-methyl-1*H*-imidazole-4-carboxamide
(1*R*,2*R*)-2-((6-(imidazo[1,2-*a*]pyridin-3-ylmethyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
2-((6-(imidazo[1,2-*a*]pyridin-3-ylmethyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
(1*R*, 2*R*)-2-((6-((6-(1-methyl-1*H*-pyrazol-4-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
2-((6-((6-(1-methyl-1*H*-pyrazol-4-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-(((6-((6-(pyridin-3-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
2-(((6-((6-(pyridin-3-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
(1*R*,2*R*)-2-(((5-bromo-6-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
2-(((5-bromo-6-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
(1*R*,2*R*)-1-(((6-((6-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,
1-(((6-((6-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,
3-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carbonitrile,
3-(((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carbonitrile,
(1*R*,2*R*)-2-(((7-methoxyimidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
2-(((7-methoxyimidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
(1*R*,2*R*)-2-(((6-cyclopropyl-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
2-(((6-cyclopropyl-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
(1*R*,2*R*)-1-(((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,
1-(((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,
(1*R*,2*R*)-2-(((6-bromo-5-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
2-(((6-bromo-5-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
(1*R*,2*R*)-2-(((9*H*-purin-9-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-((6-((9H-purin-9-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,
(1R,2R)-1-((6-((5-bromo-6-methoxy-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)-2,3-dihydro-1H-inden-2-ol,
1-((6-((5-bromo-6-methoxy-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)-2,3-dihydro-1H-inden-2-ol,
(±)-(1R,2R)(1S,2S)-2-((6-((5,6-dimethoxy-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cycloheptanol,
2-((6-((5,6-dimethoxy-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cycloheptanol,
(1R,2R)-2-((6-((6-methoxy-5-(1-methyl-1H-pyrazol-4-yl)-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,
2-((6-((6-methoxy-5-(1-methyl-1H-pyrazol-4-yl)-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,
(1R,2R)-2-((6-((5-methoxy-6-(1-methyl-1H-pyrazol-4-yl)-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,
2-((6-((5-methoxy-6-(1-methyl-1H-pyrazol-4-yl)-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,
1-((2-(((1R,2R)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-5-methoxy-1H-benzo[d]imidazole-6-carbonitrile,
1-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-5-methoxy-1H-benzo[d]imidazole-6-carbonitrile,
(R)-2-((6-((3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanone,
2-((6-((3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanone,
(1R,2R)-2-((6-((6-chloro-3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,
2-((6-((6-chloro-3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,
(1R,2R)-2-((6-((3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]oxazol-2-yl)amino)cyclohexanol,
2-((6-((3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]oxazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-1-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]oxazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,
1-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]oxazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,
(*R*)-2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanone oxime,
2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanone oxime,
(1*S*,2*R*)-2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-1-methylcyclohexanol,
(1*R*,2*R*)-2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-1-methylcyclohexanol,
2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-1-methylcyclohexanol,
(1*R*,2*R*)-2-((6-((6-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol,
2-((6-((6-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol,
(1*R*,2*R*)-1-((6-((6-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]oxazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,
1-((6-((6-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]oxazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,
(*S*)-2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2-cyclohexylethanol,
2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2-cyclohexylethanol,
(*R*)-2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2-cyclohexylethanol,
1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-6-methoxy-1*H*-benzo[*d*]imidazole-5-carbonitrile,
1-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-6-methoxy-1*H*-benzo[*d*]imidazole-5-carbonitrile,
((1*R*,2*R*)-2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol,

2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol,

(1*R*,2*R*)-2-((6-((6-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-((6-((6-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-((6-((5-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-((6-((5-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-1-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,

1-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,

(1*R*,2*R*)-2-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-((6-((3*H*-imidazo[4,5-*c*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-((6-((3*H*-imidazo[4,5-*c*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-((6-((1*H*-imidazo[4,5-*c*]pyridin-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-((6-((1*H*-imidazo[4,5-*c*]pyridin-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

1-(3-((2-((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridin-6-yl)ethanone,

1-(3-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridin-6-yl)ethanone,

(1*R*,2*R*)-2-((6-((6-(methylsulfonyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-((6-((6-(methylsulfonyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

1-(((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)methyl)cyclohexanol,
1-(((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)methyl)cyclohexyl)methanol,
(1*R*,2*R*)-2-(((6-((4-(1-methyl-1*H*-pyrazol-4-yl)-1*H*-imidazol-1-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol,
2-(((6-((4-(1-methyl-1*H*-pyrazol-4-yl)-1*H*-imidazol-1-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol,
(1*R*,2*R*)-2-(((6-((5-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
2-(((6-((5-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
methyl 3-(((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carboxylate,
methyl 3-(((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carboxylate,
(1*R*,2*R*)-1-(((6-((5-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,
1-(((6-((5-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,
3-(((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carboxylic acid,
3-(((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carboxylic acid,
(1*R*,2*R*)-2-(((6-((6-(morpholinomethyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
2-(((6-((6-(morpholinomethyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
(1*R*,2*R*)-2-(((6-((6-(hydroxymethyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
2-(((6-((6-(hydroxymethyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
(1*R*,2*R*)-2-(((6-((6-(methylthio)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-(((6-((6-(methylthio)-3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-(((6-((6-((methylthio)methyl)-3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

2-(((6-((6-((methylthio)methyl)-3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

3-(((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-5-carbonitrile,

3-(((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-5-carbonitrile,

1-(3-(((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridin-5-yl)ethanone,

1-(3-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridin-5-yl)ethanone,

3-(((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-*N*-methyl-3*H*-imidazo[4,5-*b*]pyridine-6-carboxamide,

3-(((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-*N*-methyl-3*H*-imidazo[4,5-*b*]pyridine-6-carboxamide,

N-hydroxy-3-(((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carboximidamide,

(1*R*,2*R*)-2-(((6-((6-(aminomethyl)-3H-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol acetic acid,

(1*R*,2*R*)-2-(((6-((6-(aminomethyl)-3H-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

2-(((6-((6-(aminomethyl)-3H-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

3-(((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-*N,N*-dimethyl-3*H*-imidazo[4,5-*b*]pyridine-6-carboxamide,

3-(((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-*N,N*-dimethyl-3*H*-imidazo[4,5-*b*]pyridine-6-carboxamide,

(1*R*,2*R*)-2-(((6-((6-(2H-tetrazol-5-yl)-3H-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

2-(((6-((6-(2H-tetrazol-5-yl)-3H-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-(((6-((6-(2-methyl-2*H*-tetrazol-5-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-(((6-((6-(2-methyl-2*H*-tetrazol-5-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-(((6-((6-(1-methyl-1*H*-tetrazol-5-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-(((6-((6-(1-methyl-1*H*-tetrazol-5-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-1-(((6-((9*H*-purin-9-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,

1-(((6-((9*H*-purin-9-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2,3-dihydro-1*H*-inden-2-ol,

(1*R*,2*R*)-2-(((6-((6-ethynyl-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-(((6-((6-ethynyl-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-(((6-((6-morpholino-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-(((6-((6-morpholino-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-(((6-((6-vinyl-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-(((6-((6-vinyl-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

N-((3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridin-6-yl)methyl)acetamide,

N-((3-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridin-6-yl)methyl)acetamide,

(1*R*,2*R*)-2-(((6-((5-bromo-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-(((6-((5-bromo-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

N-((1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-imidazol-4-yl)acetamide,

N-(1-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-1*H*-imidazol-4-yl)acetamide,

(1*R*,2*R*)-2-((6-((6-ethyl-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

2-((6-((6-ethyl-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-3-(1-methyl-1*H*-pyrazol-4-yl)pyrazin-2(1*H*)-one;

1-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-3-(1-methyl-1*H*-pyrazol-4-yl)pyrazin-2(1*H*)-one;

(1*R*,2*R*)-2-((6-((6-(3-hydroxy-3-methylbut-1-yn-1-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-(3-hydroxy-3-methylbut-1-yn-1-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((2-(trifluoromethyl)-9*H*-purin-9-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-((6-((2-(trifluoromethyl)-9*H*-purin-9-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-(methylsulfonyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(methylsulfonyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-bromo-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-bromo-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-1*H*-benzo[d]imidazole-5-carbonitrile;

1-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-1*H*-benzo[d]imidazole-5-carbonitrile;

(1*R*,2*R*)-2-((6-((6-(2-hydroxypropan-2-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-(2-hydroxypropan-2-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

1-(1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-5-yl)ethanone;

1-(1-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-5-yl)ethanone;

1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazole-6-carbonitrile;

1-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazole-6-carbonitrile;

(1*R*,2*R*)-2-((6-((5-(methylsulfonyl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(methylsulfonyl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-(methylsulfonyl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-(methylsulfonyl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)thiazolo[4,5-*b*]pyridin-2-yl)amino)cyclohexanol;

2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)thiazolo[4,5-*b*]pyridin-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-((*R*,*S*)-1-hydroxyethyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-(1-hydroxyethyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(dimethylamino)-1-(3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridin-6-yl)ethanone acetate salt;

2-(dimethylamino)-1-(3-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridin-6-yl)ethanone;

2-(dimethylamino)-1-(3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridin-6-yl)ethanone;

3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)imidazo[1,2-*a*]pyridine-7-carbonitrile;

3-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)imidazo[1,2-*a*]pyridine-7-carbonitrile;

(1*R*,2*R*)-2-((6-((9H-purin-9-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol;

2-((6-((9H-purin-9-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5,6-dimethyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5,6-dimethyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

1-(1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-6-yl)ethanone;

1-(1-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-6-yl)ethanone;

(1*R*,2*R*)-2-((6-((5-ethynyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-ethynyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-ethynyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-ethynyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-bromo-5-methoxy-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-bromo-5-methoxy-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]oxazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carbonitrile;

3-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]oxazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carbonitrile;

(1*R*,2*R*)-2-((6-(imidazo[1,2-*a*]pyrazin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-(imidazo[1,2-*a*]pyrazin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-5-methoxy-3*H*-imidazo[4,5-*b*]pyridine-6-carbonitrile;

3-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-5-methoxy-3*H*-imidazo[4,5-*b*]pyridine-6-carbonitrile;

(1*R*,2*R*)-2-((6-((5-methyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-methyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5,6-difluoro-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5,6-difluoro-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-fluoro-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-fluoro-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-(trifluoromethyl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(trifluoromethyl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-(imidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-(imidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol;

2-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol;

((1*R*,2*R*)-2-((6-((6-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol;

2-((6-((6-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol;

(1*R*,2*R*)-2-((6-((6-(1-methyl-1*H*-tetrazol-5-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((6-(1-methyl-1H-tetrazol-5-yl)-3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
(1*R*,2*R*)-2-(((6-((7-(2-hydroxyethoxy)imidazo[1,2-a]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
2-(((6-((7-(2-hydroxyethoxy)imidazo[1,2-a]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
(1*S*,2*R*)-2-(((6-((6-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexyl)methanol;
2-(((6-((6-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexyl)methanol;
(1*R*,2*R*)-2-(((6-((5,6-dichloro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
2-(((6-((5,6-dichloro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
(1*R*,2*R*)-2-(((6-((5-ethoxy-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
2-(((6-((5-ethoxy-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
3-(((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-5,6-dicarbonitrile;
3-(((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-5,6-dicarbonitrile;
3-(((2-(((1*R*,2*R*)-2-(hydroxymethyl)cyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carbonitrile;
3-(((2-((2-(hydroxymethyl)cyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carbonitrile;
(1*R*,2*R*)-2-(((6-((6-(1*H*-pyrazol-1-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
2-(((6-((6-(1*H*-pyrazol-1-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
(1*R*,2*R*)-2-(((6-(imidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[d]oxazol-2-yl)amino)cyclohexanol;
2-(((6-(imidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[d]oxazol-2-yl)amino)cyclohexanol;

3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-*N*-methylimidazo[1,2-*b*]pyridazine-6-carboxamide;

3-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-*N*-methylimidazo[1,2-*b*]pyridazine-6-carboxamide;

(1*R*,2*R*)-2-((6-((6-(hydroxymethyl)imidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-(hydroxymethyl)imidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-(1*H*-1,2,4-triazol-1-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-(1*H*-1,2,4-triazol-1-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-iodo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-iodo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-5-ol;

1-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-5-ol;

(1*R*,2*R*)-2-((6-((5,7-difluoro-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5,7-difluoro-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-(trifluoromethoxy)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(trifluoromethoxy)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-methoxyimidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-methoxyimidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol;

2-(((6-((5-methoxy-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]oxazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((6-methoxy-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]oxazol-2-yl)amino)cyclohexanol;

2-(((6-((6-methoxy-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]oxazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((7-(2-methoxyethoxy)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((7-(2-methoxyethoxy)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)-5-fluorobenzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)-5-fluorobenzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((6-morpholinoimidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((6-morpholinoimidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((4-chloro-6-((6-morpholinoimidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-(((4-chloro-6-((6-morpholinoimidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-(imidazo[2,1-*b*]thiazol-5-ylmethyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-(imidazo[2,1-*b*]thiazol-5-ylmethyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((6-chloroimidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((6-chloroimidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((1H-pyrazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((6-(1H-pyrazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((5-(1*H*-pyrazol-1-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((5-(1*H*-pyrazol-1-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((5-(1*H*-1,2,4-triazol-1-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((5-(1*H*-1,2,4-triazol-1-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*S*,2*R*)-2-(((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

trans-4-(((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

4-(((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)-7-fluorobenzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)-7-fluorobenzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((6-methoxyimidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((6-methoxyimidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)-4-bromobenzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)-4-bromobenzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((7-(1*H*-pyrazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((7-(1*H*-pyrazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)-4,7-difluorobenzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)-4,7-difluorobenzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((7-(1*H*-1,2,4-triazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((7-(1*H*-1,2,4-triazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

1-(((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]oxazol-6-yl)methyl)-1*H*-benzo[*d*]imidazole-5-carbonitrile;

1-(((2-((2-hydroxycyclohexyl)amino)benzo[*d*]oxazol-6-yl)methyl)-1*H*-benzo[*d*]imidazole-5-carbonitrile;

(1*R*,2*R*)-2-(((6-((5-(2-morpholinoethoxy)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((5-(2-morpholinoethoxy)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((5-(2-hydroxyethoxy)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((5-(2-hydroxyethoxy)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

1-(((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-*N*-methyl-1*H*-benzo[*d*]imidazole-5-carboxamide;

1-(((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-*N*-methyl-1*H*-benzo[*d*]imidazole-5-carboxamide;

(1*R*, 2*R*)-2-(((6-((5-(3,6-dihydro-2*H*-pyran-4-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((5-(3,6-dihydro-2*H*-pyran-4-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((5-(3,3,3-trifluoroprop-1-en-2-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((5-(3,3,3-trifluoroprop-1-en-2-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(*R*)-*N*-(cyclohex-2-en-1-yl)-6-(((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-amine;

N-(cyclohex-2-en-1-yl)-6-(((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-amine;

(1*R*,2*R*)-2-(((6-((6-bromoimidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((6-bromoimidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((4-methylpiperazin-1-yl)imidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((4-methylpiperazin-1-yl)imidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(*trans*-4-(((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol;

(*cis*-4-(((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol;

4-(((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol;

6-(((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)-*N*-((1*R*,2*R*)-2-(methylthio)cyclohexyl)benzo[*d*]thiazol-2-amine;

6-(((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)-*N*-(2-(methylthio)cyclohexyl)benzo[*d*]thiazol-2-amine;

(1*R*,2*R*)-2-(((6-((5-(oxetan-3-yl)oxy)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((5-(oxetan-3-yl)oxy)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((5-vinyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((5-vinyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((5-(cyclohex-1-en-1-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((5-(cyclohex-1-en-1-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((5-(1-methyl-3-(trifluoromethyl)-1*H*-pyrazol-4-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((5-(1-methyl-3-(trifluoromethyl)-1*H*-pyrazol-4-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((5-fluoroimidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((5-fluoroimidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((7-morpholinoimidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((7-morpholinoimidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((7-(4-methylpiperazin-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((7-(4-methylpiperazin-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

((1*R*,2*R*)-2-(((6-((5,7-dimethyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((5,7-dimethyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((5-bromo-7-methyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((5-bromo-7-methyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

6-(((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)-*N*-phenylbenzo[*d*]thiazol-2-amine;

((1*R*,3*R*)-3-(((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol;

3-(((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol;

(1*R*,2*S*,3*R*)-3-(((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

3-(((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

((1*S*,3*R*)-3-(((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol;

3-(((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol;

6-chloro-1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]oxazol-6-yl)methyl)-1*H*-benzo[d]imidazole-5-carbonitrile;

6-chloro-1-((2-((2-hydroxycyclohexyl)amino)benzo[d]oxazol-6-yl)methyl)-1*H*-benzo[d]imidazole-5-carbonitrile;

2-((1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-1*H*-benzo[d]imidazol-5-yl)oxy)acetonitrile;

2-((1-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-1*H*-benzo[d]imidazol-5-yl)oxy)acetonitrile;

6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)-*N*-(2-methoxyphenyl)benzo[d]thiazol-2-amine;

N-((1*R*,2*R*)-2-chlorocyclohexyl)-6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-amine;

N-(2-chlorocyclohexyl)-6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-amine;

1-(3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)imidazo[1,2-*a*]pyridin-7-yl)piperidin-4-ol;

1-(3-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)imidazo[1,2-*a*]pyridin-7-yl)piperidin-4-ol;

1-(3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)imidazo[1,2-*a*]pyridin-7-yl)ethanone;

1-(3-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)imidazo[1,2-*a*]pyridin-7-yl)ethanone;

(1*R*,2*R*)-2-((6-((7-(1-hydroxyethyl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-((6-((7-(1-hydroxyethyl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

1-(3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)imidazo[1,2-*a*]pyridin-7-yl)ethanone oxime;

1-(3-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)imidazo[1,2-*a*]pyridin-7-yl)ethanone oxime;

(1*R*,2*R*)-2-((6-((5-bromo-7-fluoro-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-bromo-7-fluoro-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

1-(3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)imidazo[1,2-*a*]pyridin-7-yl)ethanone *O*-methyl oxime;

1-(3-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)imidazo[1,2-*a*]pyridin-7-yl)ethanone *O*-methyl oxime;

(1*R*,2*R*)-2-((6-((9*H*-benzo[*d*]imidazo[1,2-*a*]imidazol-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((9*H*-benzo[*d*]imidazo[1,2-*a*]imidazol-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

7-fluoro-1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazole-5-carbonitrile;

7-fluoro-1-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazole-5-carbonitrile;

(1*R*,2*R*)-2-((6-((7-fluoro-5-vinyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((7-fluoro-5-vinyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-(3,6-dihydro-2*H*-pyran-4-yl)-7-fluoro-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(3,6-dihydro-2*H*-pyran-4-yl)-7-fluoro-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-morpholino-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-morpholino-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

1-(1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-5-yl)piperidin-2-one;

1-(1-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-5-yl)piperidin-2-one;

(1*R*,2*R*)-2-((6-((5-(1*H*-pyrazol-3-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(1*H*-pyrazol-3-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-(trifluoromethyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-(trifluoromethyl)-3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
(1*S*,2*S*)-2-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
2-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
(1*R*,2*R*)-2-((6-((7-(1*H*-imidazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
2-((6-((7-(1*H*-imidazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
(1*R*,2*R*)-2-((6-((7-(2*H*-1,2,3-triazol-2-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
2-((6-((7-(2*H*-1,2,3-triazol-2-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
(1*R*,2*R*)-2-((6-((7-vinylimidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
2-((6-((7-vinylimidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
(1*R*,2*R*)-2-((6-((7-(allyloxy)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
2-((6-((7-(allyloxy)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
(1*R*,2*R*)-2-((6-((7-(1*H*-1,2,3-triazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
2-((6-((7-(1*H*-1,2,3-triazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;
N-((1*R*,2*S*)-2-chlorocyclohexyl)-6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-amine;
N-(2-chlorocyclohexyl)-6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-amine;
3-amino-1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)pyrazin-2(1*H*)-one acetate salt;
3-amino-1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)pyrazin-2(1*H*)-one;

3-amino-1-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)pyrazin-2(1H)-one;

3-((2-(((1R,2R)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)imidazo[1,2-b]pyridazine-6-carbonitrile;

3-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)imidazo[1,2-b]pyridazine-6-carbonitrile;

1-((2-(((1R,2R)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-3-morpholinopyrazin-2(1H)-one;

1-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-3-morpholinopyrazin-2(1H)-one;

(3-((2-(((1R,2R)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)imidazo[1,2-a]pyridin-7-yl)(pyrrolidin-1-yl)methanone;

(3-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)imidazo[1,2-a]pyridin-7-yl)(pyrrolidin-1-yl)methanone;

(E)-3-(1-((2-(((1R,2R)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-1H-benzo[d]imidazol-5-yl)acrylic acid;

(E)-3-(1-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-1H-benzo[d]imidazol-5-yl)acrylic acid;

3-(1-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-1H-benzo[d]imidazol-5-yl)acrylic acid;

(1R,2R)-2-((6-((5-(1,2,3,6-tetrahydropyridin-4-yl)-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(1,2,3,6-tetrahydropyridin-4-yl)-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

(1R,2R)-2-((6-((5-(1H-imidazol-1-yl)-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(1H-imidazol-1-yl)-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

(1R,2R)-2-((6-((5-(2-methyl-2H-tetrazol-5-yl)-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(2-methyl-2H-tetrazol-5-yl)-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

(1S,2R,3R)-3-((6-((6-fluoro-3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexane-1,2-diol;

3-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

(1*R*,2*S*,3*R*)-3-((6-((7-(1*H*-pyrazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

3-((6-((7-(1*H*-pyrazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

(1*R*,2*S*,3*R*)-3-((6-((5-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

3-((6-((5-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

(1*R*,2*S*,3*R*)-3-((6-((7-(2*H*-1,2,3-triazol-2-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

3-((6-((7-(2*H*-1,2,3-triazol-2-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

(1*R*,2*S*,3*R*)-3-((6-((5-vinyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

3-((6-((5-vinyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

(1*R*,2*S*,3*R*)-3-((6-((5-(oxetan-3-yloxy)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

3-((6-((5-(oxetan-3-yloxy)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

(1*R*,2*S*,3*R*)-3-((6-((6-(1*H*-1,2,4-triazol-1-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

3-((6-((6-(1*H*-1,2,4-triazol-1-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

(1*R*,2*S*,3*R*)-3-((6-((5-morpholino-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

3-((6-((5-morpholino-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

(1*R*,2*S*,3*R*)-3-((6-((5-(2-methyl-2*H*-tetrazol-5-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol; and

3-((6-((5-(2-methyl-2*H*-tetrazol-5-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol.

~~24. A pharmaceutical composition comprising a compound of any of claims 1-22 and a pharmaceutically acceptable carrier.~~

25. A compound of any of claims 1-22 for use in the treatment of a disease selected from an inflammatory disease, an inflammatory condition, an autoimmune disease and cancer.

26. The compound of claim 24, wherein the disease is modulated by CSF1R, FLT3, KIT, and/or PDGFRp kinase.

27. The compound of claim 25, wherein the disease is modulated by wild type or mutant CSF1R, FLT3, KIT, and/or PDGFRp kinase.

28. A compound of any of claims 1-22 for use in the treatment of a disease selected from myeloproliferative disorder (MPD), myelodysplasia syndrome (MDS), polycythemia vera (PCV), essential thrombocythemia (ET), primary myelofibrosis (PMF), chronic eosinophilic leukemia (CEL), chronic myelomonocytic leukemia (CMML), systemic mastocytosis (SM), idiopathic myelofibrosis (IMF), myeloid leukemia, chronic myeloid leukemia (CML), imatinib-resistant CML, acute myeloid leukemia (AML), acute megakaryoblastic leukemia (AMKL), lymphoma, Hodgkin's lymphoma, lymphoblastic leukemia, myeloma, multiple myeloma, cancer of the head and neck, prostate cancer, breast cancer, ovarian cancer, endometrial cancer, melanoma, lung cancer, brain cancer, thyroid cancer, stomach cancer, gastrointestinal stromal tumor, colorectal cancer, pancreatic cancer, renal cancer, non-small cell lung cancer, bone cancer, tenosynovial giant cell tumors, glioblastoma multiforme, atherosclerosis, restenosis, obliterative bronchiolitis, idiopathic myelofibrosis, obesity, obesity-induced insulin resistance, hypercalcemia of malignancy, lupus nephritis, glomerular nephritis, idiopathic hypereosinophilic syndrome, chronic eosinophilic syndrome, systemic mastocytosis, Langerhans cell histiocytosis, Kaposi's sarcoma, multiple endocrine neoplasia, immunodeficiency, autoimmune diseases, tissue transplant rejection, graft-versus-host disease, wound, kidney disease, multiple sclerosis, thyroiditis, type 1 diabetes,

sarcoidosis, psoriasis, allergic rhinitis, inflammatory bowel disease including Crohn's disease, and ulcerative colitis (UC), systemic lupus erythematosus (SLE), cutaneous lupus erythematosus, arthritis, osteoarthritis, rheumatoid arthritis, psoriatic arthritis, osteoporosis, endometriosis, asthma, allergic asthma, ankylosing spondylitis, chronic obstructive pulmonary disease (COPD), Alzheimer's disease and multiple sclerosis.

29. Use of a compound of any of claims 1-22 for the manufacture of a medicament for the treatment of a disease selected from myeloproliferative disorder (MPD), myelodysplasia syndrome (MDS), polycythemia vera (PCV), essential thrombocythemia (ET), primary myelofibrosis (PMF), chronic eosinophilic leukemia (CEL), chronic myelomonocytic leukemia (CMML), systemic mastocytosis (SM), idiopathic myelofibrosis (IMF), myeloid leukemia, chronic myeloid leukemia (CML), imatinib-resistant CML, acute myeloid leukemia (AML), acute megakaryoblastic leukemia (AMKL), lymphoma, Hodgkin's lymphoma, lymphoblastic leukemia, myeloma, multiple myeloma, cancer of the head and neck, prostate cancer, breast cancer, ovarian cancer, endometrial cancer, melanoma, lung cancer, brain cancer, thyroid cancer, stomach cancer, gastrointestinal stromal tumor, colorectal cancer, pancreatic cancer, renal cancer, non-small cell lung cancer, bone cancer, tenosynovial giant cell tumors, glioblastoma multiforme, atherosclerosis, restenosis, obliterative bronchiolitis, idiopathic myelofibrosis, obesity, obesity-induced insulin resistance, hypercalcemia of malignancy, lupus nephritis, glomerular nephritis, idiopathic hypereosinophilic syndrome, chronic eosinophilic syndrome, systemic mastocytosis, Langerhans cell histiocytosis, Kaposi's sarcoma, multiple endocrine neoplasia, immunodeficiency, autoimmune diseases, tissue transplant rejection, graft-versus-host disease, wound, kidney disease, multiple sclerosis, thyroiditis, type 1 diabetes, sarcoidosis, psoriasis, allergic rhinitis, inflammatory bowel disease including Crohn's disease and ulcerative colitis (UC), systemic lupus erythematosus (SLE), cutaneous lupus erythematosus, arthritis, osteoarthritis, rheumatoid arthritis, psoriatic arthritis, osteoporosis, endometriosis, asthma, allergic asthma, ankylosing spondylitis, chronic obstructive pulmonary disease (COPD), Alzheimer's disease and multiple sclerosis.

~~30. The compound of claim 27 further comprising a second pharmaceutical agent selected from anti-proliferative agent, anti-inflammatory agent, immunomodulatory agent and immunosuppressive agent.~~

31. A compound of any of claims 1-22 for use in modulating a CSF1R, FLT3, KIT, and/or PDGFR kinase.

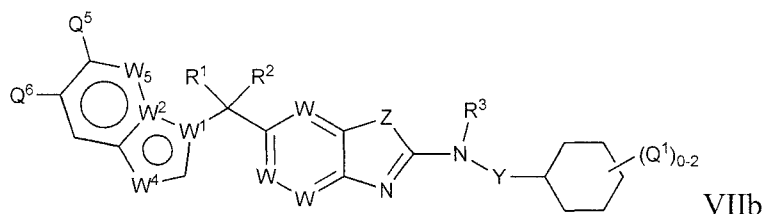
32. Use of a compound of any of claims 1-22 for the manufacture of a medicament for treating a disease selected from an inflammatory disease, an inflammatory condition, an autoimmune disease and cancer.

33. The use of claim 32, wherein the disease is modulated by CSF1R, FLT3, KIT, and/or PDGFRp kinase.

34. The use of claim 33, wherein the disease is modulated by wild type or mutant CSF1R, FLT3, KIT, and/or PDGFRp kinase.

What is claimed is:

1. A compound having formula VIIb:



or a pharmaceutically acceptable salt, solvate, hydrate, clathrate, a single stereoisomer, a mixture of stereoisomers or a racemic mixture of stereoisomers thereof, wherein:

R^1 and R^2 are each independently selected from hydrogen or halogen;

R^3 is hydrogen or alkyl;

each Q^1 is independently deuterium, halo, cyano, oxo, thioxo, alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclalkyl, $-R^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$, $=NOR^d$, or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more Q^3 groups, in one embodiment, one to three Q^3 groups; each Q^3 is independently selected from deuterium, halo, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

Y is $-(CR^5R^6)_q-$;

R^5 and R^6 are each independently hydrogen, halo, alkyl, haloalkyl or hydroxyalkyl;

Z is O, S, or NH;

each W is independently CR^8 or N;

R^8 is hydrogen, halo, haloalkyl or alkyl;

W^1 is N or C;

W^2 is N or C;

R^{9b} is hydrogen or alkyl;

W^4 is N or CR^{11b} ;

W^5 is N or CR^{13} ;

R^{11b} and R^{13} are each independently hydrogen or Q^2 ;

Q^2 is halo, deuterium, cyano, oxo, thioxo, alkyl, haloalkyl, haloalkenyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl,

heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uC(J)R^uN(R^y)(R^z)$, $-R^uC(J)N(R^y)OR^x$, $-C(=NOR^x)R^x$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$ or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more groups Q^4 ; in one embodiment, one to three Q^4 groups, each Q^4 is independently selected from halo, deuterium, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

Q^5 and Q^6 are each independently hydrogen, deuterium, halo, cyano, oxo, thioxo, alkyl, haloalkyl, aminoalkyl, alkenyl, haloalkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uC(J)R^uN(R^y)(R^z)$, $-R^uC(J)N(R^y)OR^x$, $-C(=NOR^x)R^x$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$ or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more Q^8 groups; each Q^8 is independently selected from halo, deuterium, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

each R^d is independently hydrogen or alkyl;

each R^u is independently alkylene, alkenylene or a direct bond;

R^w is alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

each R^x is independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, cyanoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

R^y and R^z are each independently selected from (i) or (ii) below:

(i) R^y and R^z are each independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl; or

(ii) R^y and R^z , together with the nitrogen atom to which they are attached, form a heterocyclyl or heteroaryl, optionally substituted with one or more, in one embodiment, one, two or three Q^7 groups; each Q^7 is independently selected from halo, deuterium, oxo, thioxo,

hydroxy, alkoxy, alkyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl and heterocyclalkyl;

J is O, NR^x or S;

each t is independently an integer from 0-2;

n is 1 or 2; and

q is an integer from 0-4.

2. The compound of claim 1, where R^1 and R^2 are each hydrogen.

3. The compound of any of claims 1-4, where Y is direct bond, $-\text{CH}_2-$, $-\text{CH}(\text{CH}_3)-$ or $-\text{CH}(\text{CH}_2\text{OH})-$.

4. The compound of any of claims 1-3, where Z is O or S.

5. The compound of claim 1, where each Q^1 is independently halo, oxo, alkyl, haloalkyl, hydroxyalkyl, cycloalkyl, $=\text{NOH}$, $-\text{R}^u\text{OR}^x$ or $-\text{R}^u\text{C}(\text{O})\text{R}^x$; each R^u is independently alkylene or a direct bond; and each R^x is independently hydrogen or alkyl

6. The compound of claim 1, where Q^5 and Q^6 are each independently hydrogen, halo, cyano, alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclalkyl, $-\text{R}^u\text{OR}^x$, $-\text{R}^u\text{N}(\text{R}^y)(\text{R}^z)$, $-\text{R}^u\text{SR}^x$, $-\text{R}^u\text{C}(\text{J})\text{R}^x$, $-\text{R}^u\text{C}(\text{J})\text{OR}^x$, $-\text{R}^u\text{C}(\text{J})\text{N}(\text{R}^y)(\text{R}^z)$, $-\text{R}^u\text{C}(\text{J})\text{N}(\text{R}^y)\text{OR}^x$, $-\text{R}^u\text{S}(\text{O})_t\text{R}^w$, $-\text{R}^u\text{N}(\text{R}^x)\text{C}(\text{J})\text{R}^x$, $-\text{R}^u\text{N}(\text{R}^x)\text{C}(\text{J})\text{OR}^x$, $-\text{R}^u\text{N}(\text{R}^x)\text{S}(\text{O})_t\text{R}^w$ or $-\text{C}(=\text{NR}^y)\text{N}(\text{R}^y)\text{OR}^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one to three Q^8 groups; each Q^8 is independently selected from halo, deuterium, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

each R^u is independently alkylene or a direct bond;

R^w is alkyl;

each R^x is independently hydrogen or alkyl;

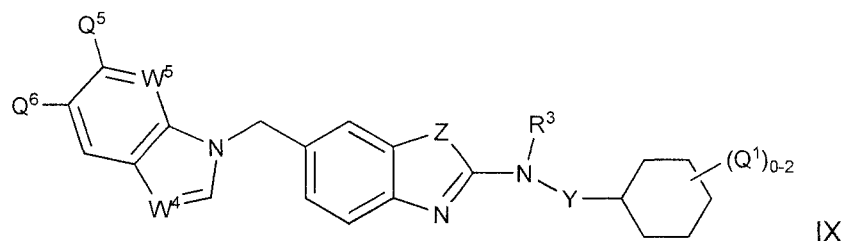
R^y and R^z are each independently hydrogen or alkyl;

J is O, NR^x or S;

each t is independently an integer from 0-2; and

q is an integer from 0-4.

7. The compound of claim 1, wherein the compound has Formula IX



or a pharmaceutically acceptable salt, solvate, hydrate, single stereoisomer, mixture of stereoisomers or racemic mixture of stereoisomers thereof, wherein:

R^3 is hydrogen or alkyl;

each Q^1 is independently deuterium, halo, cyano, oxo, thioxo, alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$, $=NOR^d$, or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one to three Q^3 groups; each Q^3 is independently selected from deuterium, halo, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

Y is $-(CR^5R^6)_q$;

R^5 and R^6 are each independently hydrogen, halo, alkyl, haloalkyl or hydroxyalkyl;

Z is O, S, or NH;

W^4 is N or CR^{11b} ;

W^5 is N or CR^{13} ;

R^{11b} and R^{13} are each independently hydrogen or Q^2 ;

each Q^2 is independently halo, deuterium, cyano, oxo, thioxo, alkyl, haloalkyl, haloalkenyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uOR^uOR^x$, $-R^uOR^uN(R^y)(R^z)$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uC(J)R^uN(R^y)(R^z)$, $-R^uC(J)N(R^y)OR^x$, $-C(=NOR^x)R^x$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$ or $-C(=NR^y)N(R^y)OR^x$, where the alkyl,

haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one to three Q^4 groups, each Q^4 is independently selected from halo, deuterium, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

Q^5 and Q^6 are each independently hydrogen, halo, cyano, alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, heteroaryl, heteroaralkyl, heterocyclyl, heterocyclylalkyl, $-R^uOR^x$, $-R^uN(R^y)(R^z)$, $-R^uSR^x$, $-R^uC(J)R^x$, $-R^uC(J)OR^x$, $-R^uC(J)N(R^y)(R^z)$, $-R^uS(O)_tR^w$, $-R^uN(R^x)C(J)R^x$, $-R^uN(R^x)C(J)OR^x$, $-R^uN(R^x)S(O)_tR^w$ or $-C(=NR^y)N(R^y)OR^x$, where the alkyl, haloalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, and heterocyclyl groups are optionally substituted with one or more Q^8 groups; each Q^8 is independently selected from halo, deuterium, hydroxyl, alkyl, haloalkyl and hydroxyalkyl;

R^d is hydrogen or alkyl;

each R^u is independently alkylene, alkenylene or a direct bond;

R^w is alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

each R^x is independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, cyanoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

R^y and R^z are each independently selected from (i) or (ii) below:

(i) R^y and R^z are each independently hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl; or

(ii) R^y and R^z , together with the nitrogen atom to which they are attached, form a heterocyclyl or heteroaryl, optionally substituted with one, two or three Q^7 groups; each Q^7 is independently selected from halo, deuterium, oxo, thioxo, hydroxy, alkoxy, alkyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl and heterocyclylalkyl;

J is O, NR^x or S;

each t is independently an integer from 0-2;

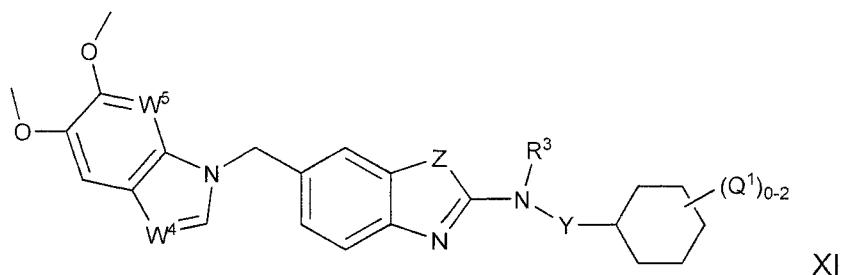
n is 1 or 2; and

q is an integer from 0-4.

8. The compound of claim 7, wherein Q^5 and Q^6 are each independently hydrogen, halo, alkoxy, tetrazole or pyrazole, where the tetrazole and pyrazole rings are optionally substituted with one or two alkyl groups.

9. The compound of claim 7 or 8, wherein, Q^5 and Q^6 are each independently hydrogen, chloro, fluoro, bromo or methoxy.

10. The compound of claim 1 having Formula XI



or a pharmaceutically acceptable salt, solvate, hydrate, single stereo isomer, mixture of stereoisomers or racemic mixture of stereoisomers thereof, wherein:

R^3 is hydrogen or alkyl;

each Q^1 is independently halo, oxo, alkyl, haloalkyl, hydroxyalkyl, cycloalkyl, $=NOH$, $-R^uOR^x$ or $-R^uC(O)R^x$;

each R^u is independently alkylene or a direct bond;

each R^x is independently hydrogen or alkyl;

Y is $-(CR^5R^6)_q$;

R^5 and R^6 are each independently hydrogen, halo, alkyl, haloalkyl or hydroxyalkyl;

Z is O, S, or NH;

W^4 is N or CR^{11b} ;

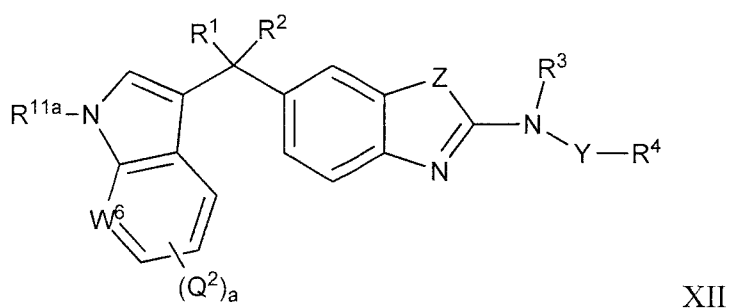
R^{11b} is hydrogen, halo or alkyl;

W^5 is N or CR^{13} ;

R^{13} is hydrogen, halo or alkyl; and

q is an integer from 0-4.

11. The compound of claim 1 having Formula XII:



or a pharmaceutically acceptable salt, solvate, hydrate, single stereoisomer, mixture of stereoisomers or racemic mixture of stereoisomers thereof, wherein,

R^3 is hydrogen or alkyl;

R^4 is cycloalkyl, aryl, heterocyclyl or heteroaryl, where R^4 is optionally substituted with one to three groups selected from Q^1 ;

each Q^1 is independently halo, oxo, alkyl, haloalkyl, hydroxyalkyl, cycloalkyl, =NOH, - R^uOR^x or - $R^uC(O)R^x$;

each R^u is independently alkylene or a direct bond;

each R^x is independently hydrogen or alkyl;

Y is $-(CR^5R^6)_q$;

R^5 and R^6 are each independently hydrogen, halo, alkyl, haloalkyl or hydroxyalkyl;

Z is O, S, or NH;

R^{11a} is hydrogen or alkyl;

W^6 is N or CR^{14} ;

R^{14} is hydrogen or alkyl;

a is 0-4; and

q is an integer from 0-4.

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

2-((6-((1H-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,
(1R,2R)-2-((6-((5,6-dimethoxy-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

2-((6-((5,6-dimethoxy-1H-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol methanesulfonic acid,
 (1*R*,2*R*)-2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol
 2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol
 (1*R*,2*R*)-2-((6-((6-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 2-((6-((6-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 (1*R*,2*R*)-2-((6-((5-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 2-((6-((5-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 (1*R*,2*R*)-2-((6-((1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 (1*S*,2*S*)-2-((6-((1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 2-((6-((1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
N-benzyl-6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-amine,
N-cyclohexyl-6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)-*N*-methylbenzo[*d*]thiazol-2-amine,
N-cyclohexyl-6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-amine,
 (1*R*,2*R*)-2-((6-((5-methoxy-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 2-((6-((5-methoxy-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)-*N*-(2-ethoxyphenyl)benzo[*d*]thiazol-2-amine,
N-(cyclohexylmethyl)-6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-amine,

(1*R*,2*R*)-2-((6-((6-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 2-((6-((6-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)-*N*-(2-methoxyphenyl)benzo[*d*]thiazol-2-amine,
 2-((6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)phenol,
 (*S*)-*N*-(1-cyclohexylethyl)-6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-amine,
N-(1-cyclohexylethyl)-6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-amine,
 (1*R*,2*R*)-2-((6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol,
 2-((6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol,
N-(cyclohexylmethyl)-6-((5,6-dimethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]oxazol-2-amine,
 (1*R*,2*R*)-2-((6-(imidazo[1,2-*a*]pyridin-3-ylmethyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 2-((6-(imidazo[1,2-*a*]pyridin-3-ylmethyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 (1*R*, 2*R*)-2-((6-((6-(1-methyl-1*H*-pyrazol-4-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 2-((6-((6-(1-methyl-1*H*-pyrazol-4-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 (1*R*,2*R*)-2-((6-((6-(pyridin-3-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 2-((6-((6-(pyridin-3-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 (1*R*,2*R*)-2-((6-((5-bromo-6-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-((6-((5-bromo-6-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carbonitrile,

3-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carbonitrile,

(1*R*,2*R*)-2-((6-((7-methoxyimidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-((6-((7-methoxyimidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-((6-((6-cyclopropyl-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-((6-((6-cyclopropyl-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-((6-((6-bromo-5-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-((6-((6-bromo-5-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-((6-((6-methoxy-5-(1-methyl-1*H*-pyrazol-4-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-((6-((6-methoxy-5-(1-methyl-1*H*-pyrazol-4-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-((6-((5-methoxy-6-(1-methyl-1*H*-pyrazol-4-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-((6-((5-methoxy-6-(1-methyl-1*H*-pyrazol-4-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-5-methoxy-1*H*-benzo[*d*]imidazole-6-carbonitrile,

1-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-5-methoxy-1*H*-benzo[*d*]imidazole-6-carbonitrile,

(*R*)-2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanone,

2-((6-((3H-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanone,

(1*R*,2*R*)-2-((6-((6-chloro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-((6-((6-chloro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol,

2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol,

(*R*)-2-((6-((3H-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanone oxime,

2-((6-((3H-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanone oxime,

(1*S*,2*R*)-2-((6-((3H-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-1-methylcyclohexanol,

(1*R*,2*R*)-2-((6-((3H-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-1-methylcyclohexanol,

2-((6-((3H-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-1-methylcyclohexanol,

(1*R*,2*R*)-2-((6-((6-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol,

2-((6-((6-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol,

(*S*)-2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2-cyclohexylethanol,

2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2-cyclohexylethanol,

(*R*)-2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)-2-cyclohexylethanol,

1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-6-methoxy-1*H*-benzo[*d*]imidazole-5-carbonitrile,

1-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-6-methoxy-1*H*-benzo[*d*]imidazole-5-carbonitrile,
 ((1*R*,2*R*)-2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol,
 2-((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol,
 (1*R*,2*R*)-2-((6-((6-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 2-((6-((6-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 (1*R*,2*R*)-2-((6-((5-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 2-((6-((5-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 (1*R*,2*R*)-2-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 2-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 1-(3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridin-6-yl)ethanone,
 1-(3-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridin-6-yl)ethanone,
 (1*R*,2*R*)-2-((6-((6-(methylsulfonyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 2-((6-((6-(methylsulfonyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,
 1-(((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)methyl)cyclohexanol,
 (1-(((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)methyl)cyclohexyl)methanol,
 (1*R*,2*R*)-2-((6-((5-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-((6-((5-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

methyl 3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carboxylate,

methyl 3-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carboxylate,

3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carboxylic acid,

3-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carboxylic acid,

(1*R*,2*R*)-2-((6-((6-(morpholinomethyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-((6-((6-(morpholinomethyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-((6-((6-(hydroxymethyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-((6-((6-(hydroxymethyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-((6-((6-(methylthio)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-((6-((6-(methylthio)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-((6-((6-(methylthio)methyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-((6-((6-(methylthio)methyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-5-carbonitrile,

3-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-5-carbonitrile,

1-(3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridin-5-yl)ethanone,

1-(3-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridin-5-yl)ethanone,

3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-*N*-methyl-3*H*-imidazo[4,5-*b*]pyridine-6-carboxamide,

3-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-*N*-methyl-3*H*-imidazo[4,5-*b*]pyridine-6-carboxamide,

N-hydroxy-3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carboximidamide,

(1*R*,2*R*)-2-((6-((6-(aminomethyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol acetic acid,

(1*R*,2*R*)-2-((6-((6-(aminomethyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

2-((6-((6-(aminomethyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-*N,N*-dimethyl-3*H*-imidazo[4,5-*b*]pyridine-6-carboxamide,

3-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-*N,N*-dimethyl-3*H*-imidazo[4,5-*b*]pyridine-6-carboxamide,

(1*R*,2*R*)-2-((6-((6-(2*H*-tetrazol-5-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

2-((6-((6-(2*H*-tetrazol-5-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-((6-((6-(2-methyl-2*H*-tetrazol-5-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

2-((6-((6-(2-methyl-2*H*-tetrazol-5-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-((6-((6-(1-methyl-1*H*-tetrazol-5-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

2-((6-((6-(1-methyl-1*H*-tetrazol-5-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-((6-((6-ethynyl-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

2-((6-((6-ethynyl-3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-((6-((6-morpholino-3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

2-((6-((6-morpholino-3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-((6-((6-vinyl-3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

2-((6-((6-vinyl-3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

N-((3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-3H-imidazo[4,5-b]pyridin-6-yl)methyl)acetamide,

N-((3-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-3H-imidazo[4,5-b]pyridin-6-yl)methyl)acetamide,

(1*R*,2*R*)-2-((6-((5-bromo-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

2-((6-((5-bromo-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-((6-((6-ethyl-3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

2-((6-((6-ethyl-3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol,

(1*R*,2*R*)-2-((6-((6-(3-hydroxy-3-methylbut-1-yn-1-yl)-3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-(3-hydroxy-3-methylbut-1-yn-1-yl)-3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-(methylsulfonyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(methylsulfonyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-bromo-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-bromo-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazole-5-carbonitrile;

1-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazole-5-carbonitrile;

(1*R*,2*R*)-2-((6-((6-(2-hydroxypropan-2-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-(2-hydroxypropan-2-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

1-(1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-5-yl)ethanone;

1-(1-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-5-yl)ethanone;

1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazole-6-carbonitrile;

1-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazole-6-carbonitrile;

(1*R*,2*R*)-2-((6-((5-(methylsulfonyl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(methylsulfonyl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-(methylsulfonyl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-(methylsulfonyl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-((*R*,*S*)-1-hydroxyethyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-(1-hydroxyethyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(dimethylamino)-1-(3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridin-6-yl)ethanone acetate salt;

2-(dimethylamino)-1-(3-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridin-6-yl)ethanone;

2-(dimethylamino)-1-(3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridin-6-yl)ethanone;

3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)imidazo[1,2-*a*]pyridine-7-carbonitrile;

3-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)imidazo[1,2-*a*]pyridine-7-carbonitrile;

(1*R*,2*R*)-2-((6-((5,6-dimethyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5,6-dimethyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

1-(1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-6-yl)ethanone;

1-(1-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-6-yl)ethanone;

(1*R*,2*R*)-2-((6-((5-ethynyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-ethynyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-ethynyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-ethynyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-bromo-5-methoxy-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-bromo-5-methoxy-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]oxazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carbonitrile;

3-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]oxazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carbonitrile;

3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-5-methoxy-3*H*-imidazo[4,5-*b*]pyridine-6-carbonitrile;

3-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-5-methoxy-3*H*-imidazo[4,5-*b*]pyridine-6-carbonitrile;

(1*R*,2*R*)-2-((6-((5-methyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-methyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5,6-difluoro-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5,6-difluoro-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-fluoro-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-fluoro-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-(trifluoromethyl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(trifluoromethyl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-(imidazo[1,2-*b*]pyridazin-3-ylmethyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-(imidazo[1,2-*b*]pyridazin-3-ylmethyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol;

2-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol;

((1*R*,2*R*)-2-((6-((6-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol;

2-((6-((6-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol;

(1*R*,2*R*)-2-(((6-((6-(1-methyl-1*H*-tetrazol-5-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((6-(1-methyl-1*H*-tetrazol-5-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((7-(2-hydroxyethoxy)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((7-(2-hydroxyethoxy)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

((1*S*,2*R*)-2-(((6-((6-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol;

2-(((6-((6-bromo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol;

(1*R*,2*R*)-2-(((5,6-dichloro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((5,6-dichloro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((5-ethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((5-ethoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

3-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-5,6-dicarbonitrile;

3-(((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-5,6-dicarbonitrile;

3-(((1*R*,2*R*)-2-(hydroxymethyl)cyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carbonitrile;

3-(((2-(hydroxymethyl)cyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-3*H*-imidazo[4,5-*b*]pyridine-6-carbonitrile;

(1*R*,2*R*)-2-(((6-(1*H*-pyrazol-1-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-(1*H*-pyrazol-1-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-(imidazo[1,2-*b*]pyridazin-3-ylmethyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol;

2-((6-(imidazo[1,2-*b*]pyridazin-3-ylmethyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol;

3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-*N*-methylimidazo[1,2-*b*]pyridazine-6-carboxamide;

3-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-*N*-methylimidazo[1,2-*b*]pyridazine-6-carboxamide;

(1*R*,2*R*)-2-((6-(((6-(hydroxymethyl)imidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-(((6-(hydroxymethyl)imidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-(1*H*-1,2,4-triazol-1-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-(1*H*-1,2,4-triazol-1-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-iodo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-iodo-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-5-ol;

1-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-5-ol;

(1*R*,2*R*)-2-((6-((5,7-difluoro-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5,7-difluoro-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-(trifluoromethoxy)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(trifluoromethoxy)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-methoxyimidazo[1,2-*b*]pyridazin-3-yl)methyl) benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-methoxyimidazo[1,2-*b*]pyridazin-3-yl)methyl) benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((5-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol;

2-(((5-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol;

2-(((6-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]oxazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((7-(2-methoxyethoxy)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((7-(2-methoxyethoxy)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)-5-fluorobenzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-morpholinoimidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-morpholinoimidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((4-chloro-6-morpholinoimidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((4-chloro-6-morpholinoimidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-chloroimidazo[1,2-*b*]pyridazin-3-yl)methyl) benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-chloroimidazo[1,2-*b*]pyridazin-3-yl)methyl) benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-(1*H*-pyrazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((6-(1H-pyrazol-1-yl)imidazo[1,2-a]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((5-(1*H*-pyrazol-1-yl)-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((5-(1*H*-pyrazol-1-yl)-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((5-(1*H*-1,2,4-triazol-1-yl)-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((5-(1*H*-1,2,4-triazol-1-yl)-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

(1*S*,2*R*)-2-(((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

trans-4-(((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

4-(((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)-7-fluorobenzo[d]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((6-methoxyimidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((6-methoxyimidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)-4-bromobenzo[d]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-(((6-((7-(1*H*-pyrazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((7-(1*H*-pyrazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

1-(((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]oxazol-6-yl)methyl)-1*H*-benzo[d]imidazole-5-carbonitrile;

1-((2-((2-hydroxycyclohexyl)amino)benzo[d]oxazol-6-yl)methyl)-1H-benzo[d]imidazole-5-carbonitrile;

(1*R*,2*R*)-2-((6-((5-(2-morpholinoethoxy)-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(2-morpholinoethoxy)-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-(2-hydroxyethoxy)-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(2-hydroxyethoxy)-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-*N*-methyl-1*H*-benzo[d]imidazole-5-carboxamide;

1-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-*N*-methyl-1*H*-benzo[d]imidazole-5-carboxamide;

(1*R*, 2*R*)-2-((6-((5-(3,6-dihydro-2*H*-pyran-4-yl)-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(3,6-dihydro-2*H*-pyran-4-yl)-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-(3,3,3-trifluoroprop-1-en-2-yl)-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(3,3,3-trifluoroprop-1-en-2-yl)-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-bromoimidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-bromoimidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-(4-methylpiperazin-1-yl)imidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-(4-methylpiperazin-1-yl)imidazo[1,2-*b*]pyridazin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

(*trans*-4-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexyl)methanol;

(*cis*-4-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol;

4-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol;

6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)-*N*-((1*R*,2*R*)-2-(methylthio)cyclohexyl)benzo[*d*]thiazol-2-amine;

6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)-*N*-(2-(methylthio)cyclohexyl)benzo[*d*]thiazol-2-amine;

(1*R*,2*R*)-2-((6-((5-(oxetan-3-yloxy)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(oxetan-3-yloxy)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-vinyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-vinyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-(cyclohex-1-en-1-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(cyclohex-1-en-1-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-(1-methyl-3-(trifluoromethyl)-1*H*-pyrazol-4-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(1-methyl-3-(trifluoromethyl)-1*H*-pyrazol-4-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-fluoroimidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-fluoroimidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((7-morpholinoimidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((7-morpholinoimidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

((1*R*,2*R*)-2-((6-((5,7-dimethyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;
 2-((6-((5,7-dimethyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;
 (1*R*,2*R*)-2-((6-((5-bromo-7-methyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;
 2-((6-((5-bromo-7-methyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;
 ((1*R*,3*R*)-3-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol;
 3-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol;
 (1*R*,2*S*,3*R*)-3-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;
 3-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;
 ((1*S*,3*R*)-3-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol;
 3-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexyl)methanol;
 6-chloro-1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]oxazol-6-yl)methyl)-1*H*-benzo[*d*]imidazole-5-carbonitrile;
 6-chloro-1-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]oxazol-6-yl)methyl)-1*H*-benzo[*d*]imidazole-5-carbonitrile;
 2-((1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-5-yl)oxy)acetonitrile;
 2-((1-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-5-yl)oxy)acetonitrile;
N-((1*R*,2*R*)-2-chlorocyclohexyl)-6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-amine;
N-(2-chlorocyclohexyl)-6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-amine;

1-(3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)imidazo[1,2-*a*]pyridin-7-yl)piperidin-4-ol;

1-(3-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)imidazo[1,2-*a*]pyridin-7-yl)piperidin-4-ol;

1-(3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)imidazo[1,2-*a*]pyridin-7-yl)ethanone;

1-(3-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)imidazo[1,2-*a*]pyridin-7-yl)ethanone;

(1*R*,2*R*)-2-(((6-((7-(1-hydroxyethyl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((7-(1-hydroxyethyl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

1-(3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)imidazo[1,2-*a*]pyridin-7-yl)ethanone oxime;

1-(3-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)imidazo[1,2-*a*]pyridin-7-yl)ethanone oxime;

(1*R*,2*R*)-2-(((6-((5-bromo-7-fluoro-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((5-bromo-7-fluoro-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

1-(3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)imidazo[1,2-*a*]pyridin-7-yl)ethanone *O*-methyl oxime;

1-(3-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)imidazo[1,2-*a*]pyridin-7-yl)ethanone *O*-methyl oxime;

7-fluoro-1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-1*H*-benzo[d]imidazole-5-carbonitrile;

7-fluoro-1-((2-((2-hydroxycyclohexyl)amino)benzo[d]thiazol-6-yl)methyl)-1*H*-benzo[d]imidazole-5-carbonitrile;

(1*R*,2*R*)-2-(((6-((7-fluoro-5-vinyl-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

2-(((6-((7-fluoro-5-vinyl-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-(3,6-dihydro-2*H*-pyran-4-yl)-7-fluoro-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(3,6-dihydro-2*H*-pyran-4-yl)-7-fluoro-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-morpholino-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-morpholino-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

1-(1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-5-yl)piperidin-2-one;

1-(1-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-5-yl)piperidin-2-one;

(1*R*,2*R*)-2-((6-((5-(1*H*-pyrazol-3-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(1*H*-pyrazol-3-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((6-(trifluoromethyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-(trifluoromethyl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*S*,2*S*)-2-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((7-(1*H*-imidazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((7-(1*H*-imidazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((7-(2*H*-1,2,3-triazol-2-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((7-(2*H*-1,2,3-triazol-2-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((7-vinylimidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((7-vinylimidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((7-(allyloxy)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((7-(allyloxy)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((7-(1*H*-1,2,3-triazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((7-(1*H*-1,2,3-triazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

N-((1*R*,2*S*)-2-chlorocyclohexyl)-6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-amine;

N-(2-chlorocyclohexyl)-6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-amine;

3-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)imidazo[1,2-*b*]pyridazine-6-carbonitrile;

3-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)imidazo[1,2-*b*]pyridazine-6-carbonitrile;

(*E*)-3-(1-((2-(((1*R*,2*R*)-2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-5-yl)acrylic acid;

(*E*)-3-(1-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-5-yl)acrylic acid;

3-(1-((2-((2-hydroxycyclohexyl)amino)benzo[*d*]thiazol-6-yl)methyl)-1*H*-benzo[*d*]imidazol-5-yl)acrylic acid;

(1*R*,2*R*)-2-((6-((5-(1,2,3,6-tetrahydropyridin-4-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(1,2,3,6-tetrahydropyridin-4-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-(1*H*-imidazol-1-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(1*H*-imidazol-1-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*R*,2*R*)-2-((6-((5-(2-methyl-2*H*-tetrazol-5-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

2-((6-((5-(2-methyl-2*H*-tetrazol-5-yl)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexanol;

(1*S*,2*R*,3*R*)-3-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

3-((6-((6-fluoro-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

(1*R*,2*S*,3*R*)-3-((6-((7-(1*H*-pyrazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

3-((6-((7-(1*H*-pyrazol-1-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

(1*R*,2*S*,3*R*)-3-((6-((5-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

3-((6-((5-methoxy-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

(1*R*,2*S*,3*R*)-3-((6-((7-(2*H*-1,2,3-triazol-2-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

3-((6-((7-(2*H*-1,2,3-triazol-2-yl)imidazo[1,2-*a*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

(1*R*,2*S*,3*R*)-3-((6-((5-vinyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

3-((6-((5-vinyl-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

(1*R*,2*S*,3*R*)-3-((6-((5-(oxetan-3-yloxy)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

3-((6-((5-(oxetan-3-yloxy)-1*H*-benzo[*d*]imidazol-1-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

(1*R*,2*S*,3*R*)-3-((6-((6-(1*H*-1,2,4-triazol-1-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl)methyl)benzo[*d*]thiazol-2-yl)amino)cyclohexane-1,2-diol;

3-((6-((6-(1H-1,2,4-triazol-1-yl)-3H-imidazo[4,5-b]pyridin-3-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexane-1,2-diol;

(1*R*,2*S*,3*R*)-3-((6-((5-morpholino-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexane-1,2-diol;

3-((6-((5-morpholino-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexane-1,2-diol;

(1*R*,2*S*,3*R*)-3-((6-((5-(2-methyl-2*H*-tetrazol-5-yl)-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexane-1,2-diol; and

3-((6-((5-(2-methyl-2*H*-tetrazol-5-yl)-1*H*-benzo[d]imidazol-1-yl)methyl)benzo[d]thiazol-2-yl)amino)cyclohexane-1,2-diol.

13. A pharmaceutical composition comprising a compound of any of claims 1-12 and a pharmaceutically acceptable carrier.

14. The compound of any one of claims 1-12 for use in the treatment of a disease selected from an inflammatory disease, an inflammatory condition, an autoimmune disease and cancer.

15. The compound of claim 14, wherein the disease is modulated by CSF1R, FLT3, KIT, and/or PDGFR β kinase.

16. The compound of claim 14, wherein the disease is modulated by wild type or mutant CSF1R, FLT3, KIT, and/or PDGFR β kinase.

17. A compound of any one of claims 1-12 for use in the treatment of a disease selected from myeloproliferative disorder (MPD), myelodysplastic syndrome (MDS), polycythemia vera (PCV), essential thrombocythemia (ET), primary myelofibrosis (PMF), chronic eosinophilic leukemia (CEL), chronic myelomonocytic leukemia (CMML), systemic mastocytosis (SM), idiopathic myelofibrosis (IMF), myeloid leukemia, chronic myeloid leukemia (CML), imatinib-resistant CML, acute myeloid leukemia (AML), acute megakaryoblastic leukemia (AMKL), lymphoma, Hodgkin's lymphoma, lymphoblastic leukemia, myeloma, multiple myeloma, cancer of the head and neck, prostate cancer, breast cancer, ovarian cancer, endometrial cancer, melanoma, lung cancer, brain cancer, thyroid cancer, stomach cancer, gastrointestinal stromal tumor, colorectal cancer, pancreatic cancer, renal cancer, non-small cell lung cancer, bone cancer, tenosynovial giant cell tumors, glioblastoma multiforme, atherosclerosis, restenosis, obliterative bronchiolitis, idiopathic myelofibrosis, obesity, obesity-induced insulin resistance, hypercalcemia of malignancy, lupus nephritis, glomerular nephritis, idiopathic hypereosinophilic syndrome, chronic eosinophilic syndrome, systemic mastocytosis, Langerhans cell histiocytosis, Kaposi's sarcoma, multiple endocrine neoplasia, immunodeficiency, autoimmune diseases, tissue transplant rejection, graft-versus-host disease, wound, kidney disease, multiple sclerosis, thyroiditis, type 1 diabetes, sarcoidosis, psoriasis, allergic rhinitis, inflammatory bowel disease including Crohn's disease and ulcerative colitis (UC), systemic lupus erythematosus (SLE), cutaneous lupus erythematosus, arthritis, osteoarthritis, rheumatoid arthritis, psoriatic arthritis, osteoporosis, endometriosis, asthma, allergic asthma, ankylosing spondylitis, chronic obstructive pulmonary disease (COPD), Alzheimer's disease and multiple sclerosis.

18. Use of a compound of any of claims 1-12 for the manufacture of a medicament for the treatment of a disease selected from myeloproliferative disorder (MPD), myelodysplastic syndrome (MDS), polycythemia vera (PCV), essential thrombocythemia (ET), primary myelofibrosis (PMF), chronic eosinophilic leukemia (CEL), chronic myelomonocytic leukemia (CMML), systemic mastocytosis (SM), idiopathic myelofibrosis (IMF), myeloid leukemia, chronic myeloid leukemia (CML), imatinib-resistant CML, acute myeloid leukemia (AML), acute megakaryoblastic leukemia (AMKL), lymphoma, Hodgkin's lymphoma, lymphoblastic leukemia, myeloma, multiple myeloma, cancer of the head and neck, prostate cancer, breast cancer, ovarian cancer, endometrial cancer, melanoma, lung cancer, brain cancer, thyroid cancer, stomach cancer, gastrointestinal stromal tumor, colorectal cancer, pancreatic cancer, renal cancer, non-small cell lung cancer, bone cancer, tenosynovial giant cell tumors, glioblastoma multiforme, atherosclerosis, restenosis, obliterative bronchiolitis, idiopathic myelofibrosis, obesity, obesity-induced insulin resistance, hypercalcemia of malignancy, lupus nephritis, glomerular nephritis, idiopathic hypereosinophilic syndrome, chronic eosinophilic syndrome, systemic mastocytosis, Langerhans cell histiocytosis, Kaposi's sarcoma, multiple endocrine neoplasia, immunodeficiency, autoimmune diseases, tissue transplant rejection, graft-versus-host disease, wound, kidney disease, multiple sclerosis, thyroiditis, type 1 diabetes, sarcoidosis, psoriasis, allergic rhinitis, inflammatory bowel disease including Crohn's disease and ulcerative colitis (UC), systemic lupus erythematosus (SLE), cutaneous lupus erythematosus, arthritis, osteoarthritis, rheumatoid arthritis, psoriatic arthritis, osteoporosis, endometriosis, asthma, allergic asthma, ankylosing spondylitis, chronic obstructive pulmonary disease (COPD), Alzheimer's disease and multiple sclerosis.

19. The compound of claim 16 further comprising a second pharmaceutical agent selected from anti-proliferative agent, anti-inflammatory agent, immunomodulatory agent and immunosuppressive agent.

20. Use of a compound of any of claims 1-12 for the manufacture of a medicament for treating disease selected from an inflammatory disease, an inflammatory condition, an autoimmune disease and cancer.