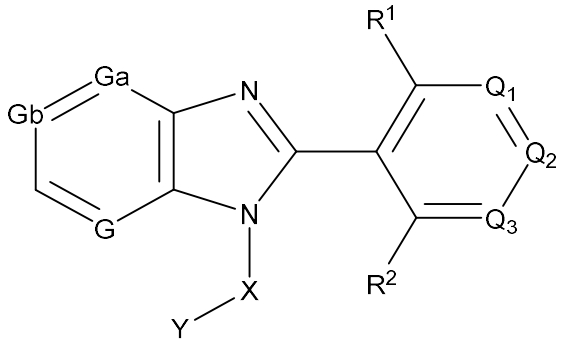
CLAIMS

1. A compound of formula (I):



(I)

or a stereoisomer or pharmaceutically salt thereof;

wherein,

R^1 and R^2 are each, independently, H, halo, C_1-C_3 alkyl, C_1-C_3 alkoxy, C_1-C_3 haloalkyl, C_1-C_3 hydroxyalkyl, -CN, C_2-C_4 alkyne, or C_2-C_6 alkoxyalkyl;

Q^1, Q^2, and Q^3 are, independently N, C-L-R, or CR^x, wherein no more than one of Q^1, Q^2, and Q^3 is C-L-R;

L is a bond, -O-; -C(O)-; $-O(CH_2)_pC(O)-$; $-C(O)NR^y-$; $-O(CH_2)_pC(O)NR^y-$; $-O(CH_2)_pNR^y$; $-NR^y-$; $-(CH_2)_p-$; $-(CH_2)_pNR^y-$; $-(CH_2)_pO-$; $-(CH_2)_pC(O)-$; $-(CH_2)_pC(O)O-$; or $-O(CH_2)_p-$;

p is, independently, 1, 2, or 3

R is H, R^a, R^b, R^c, or R^d;

R^a is a 3-10 membered heterocycle optionally substituted with 1 to 4 substituents independently selected from amino, carboxy, halo, hydroxy, oxo, -CN, $-S(O)_2OH$, C_1-C_4 alkylamino, C_1-C_5 alkoxy, C_2-C_5 alkoxyalkyl, 4-6 membered heterocycle, and C_1-C_7 alkyl, wherein the C_1-C_7 alkyl is optionally substituted with 1 to 4 substituents independently selected from amino, carboxy, halo, hydroxy, oxo, -CN, C_2-C_8 ester, and C_1-C_5 alkoxy;

R^b is a C_1-C_7 alkyl, wherein one or two methylene groups from the C_1-C_7 alkyl are optionally independently replaced with NR^e or O and one or two single bonds in a C_2-C_7 alkyl chain are optionally independently replaced with a double or triple bond(s),

wherein the C_1-C_7 alkyl is optionally substituted with 1 to 4 substituents independently selected from: halo, oxo, hydroxy, carboxyl, amino, -CN, C_2-C_4 alkynyl, C_2-C_6 carbamate, C_1-C_8 amide, C_1-C_4 sulfonyl, C_1-C_4 sulfonamide, C_1-C_4 alkylamino, C_1-C_5 alkoxy, C_3-C_6 carbocycle, and 3-10 membered heterocycle,

wherein the C_3-C_6 carbocycle is optionally substituted with 1 to 4 substituents independently selected from hydroxy, halo, and carboxy;

wherein the 3-10 membered heterocycle is optionally substituted with 1 to 4 substituents independently selected from amino, carboxy, halo, hydroxy, oxo, -CN, -$S(O)_2$OH, C_1-C_4 alkylamino, C_1-C_5 alkoxy, C_2-C_5 alkoxyalkyl, 4-6 membered heterocycle, and C_1-C_7 alkyl, wherein the C_1-C_7 alkyl is optionally substituted with 1 to 4 substituents independently selected from amino, carboxy, halo, hydroxy, oxo, -CN, C_2-C_8 ester, and C_1-C_5 alkoxy;

R^c is a C_3-C_6 carbocycle optionally substituted with 1 to 4 substituents independently selected from hydroxy halo, and carboxy;

R^d is C_1-C_4 sulfonyl or C_1-C_4 sulfonamide;

R^y is H, C_1-C_3 alkyl, or C1-3 haloalkyl;

R^x is H, halo, hydroxy, -CN, -NH_2, C_1-C_3 alkoxy, C_1-C_3 alkyl, or C_1-$_3$ haloalkyl;

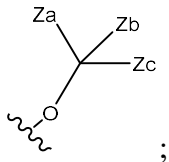
R^e is H, halo, C_1-C_8 alkyl, or C_1-C_8 haloalkyl;

X is a C_1-C_4 alkylene;

Y is a phenyl or 5-6 membered heteroaryl, wherein the phenyl or heteroaryl is optionally substituted with 1-3 substituents independently selected from halo, C_1-C_3 alkyl, C_1-C_3 alkoxy, -CN, C_1-C_3 haloalkyl, and cyclopropyl;

G is N or CH;

G_a and G_b are N, CH, or CR^5 wherein one, and only one, of G_a and G_b is N or CH and one, and only one, of G_a and G_b is CR^5;

R^5 is 

;

Z_a and Z_b are, independently, C_1-C_3 alkyl or C_1-C_3 haloalkyl, or Z_a and Z_b form a 3-6 membered carbocycle or heterocycle; and

Z_c is H, -CN, C_1-C_3 alkyl, C_1-C_3 haloalkyl, or C_2-C_4 alkyne.

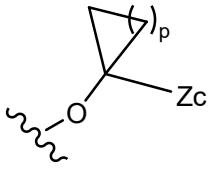
2. The compound of claim 1, wherein G is N.

3. The compound of claim 1 or claim 2 wherein G_a is CR^5.

4. The compound of any of claims 1-3 wherein G_b is N.

5. The compound of any of claims 1-4 wherein:

i) Z_a and Z_b are independently, C_1-C_3 alkyl, optionally wherein Z_a and Z_b are both -CH_3, or

ii) R^5 is 

and wherein p is 1-4, optionally wherein p is 1 or 2.

6. The compound of any of claims 1-5 wherein Z_c is -CH_3 or -CN.

7. The compound of any of claims 1-6 wherein Y is phenyl or a N-heteroaryl, optionally wherein Y is a pyridine.

8. The compound of claim 7 wherein Y is substituted with 1-3 substituents independently selected from halo, C_1-C_3 alkyl, C_1-C_3 alkoxy, -CN, and C_1-C_3 haloalkyl, optionally wherein Y is substituted with -Cl and/or -CN.

9. The compound of any of claims 1-8 wherein R^1 is halo, optionally wherein R^1 is -Cl or -CH_3.

10. The compound of any of claims 1-9 wherein R^2 is -H.

11. The compound of any of claims 1-10 wherein Q^1, Q^2, or Q^3 is C-L-R.

12. The compound of claim 11 wherein L is either i) a bond, -O-; -$(CH_2)_pO$- or -$O(CH_2)_p$-, or ii) -C(O)-; -$O(CH_2)_pC(O)$-; -$C(O)NR^y$-; -$O(CH_2)_pC(O)NR^y$-; -$(CH_2)_pC(O)$-; or -$(CH_2)_pC(O)O$-.

13. The compound of claim 11 or claim 12 wherein R is H, R^a or R^b.

14. The compound of claim 13 wherein R is R^a, optionally wherein R^a is a 3-10 membered N-heterocycle, optionally a 4-7 membered N-heterocycle, optionally or a 6 membered N-heterocycle, for example, piperidine, 1,2-diazinane, 1,3-diazinane, 1,4-diazinane, 1,2-oxazinane, 1,3-oxazinane, or 1,4-oxazinane; optionally wherein R^a is substituted with 1 to 4 substituents independently selected from amino, carboxy, halo, hydroxy, oxo, CN, $S(O)_2OH$, C_1-C_4 alkylamino, C_1-C_5 alkoxy, C_2-C_5 alkoxyalkyl, 4-6 membered heterocycle, and C_1-C_7 alkyl, wherein the C_1-C_7 alkyl is optionally substituted with 1 to 4 substituents independently selected from amino, carboxy, halo, hydroxy, oxo, -CN, C_2-C_8 ester, and C_1-C_5 alkoxy; optionally wherein the C_1-C_7 alkyl is substituted with oxo or a C_1-C_5 alkoxy.

15. The compound of claim 13 wherein R is R^b, optionally wherein R^b is substituted with 1 to 4 substituents independently selected from: halo, oxo, hydroxy, carboxyl, amino, -CN, C_2-C_4 alkynyl, C_2-C_6 carbamate, C_1-C_8 amide, C_1-C_4 sulfonyl, C_1-C_4 sulfonamide, C_1-C_4 alkylamino, C_1-C_5 alkoxy, C_3-C_6 carbocycle, and 3-10 membered heterocycle, wherein C_3-C_6 carbocycle is optionally substituted with 1 to 4 substituents independently selected from hydroxy halo, and carboxy, and wherein the 3-10 membered heterocycle is optionally substituted with 1 to 4 substituents independently selected from amino, carboxy, halo, hydroxy, oxo, -CN, $S(O)_2OH$, C_1-C_4 alkylamino, C_1-C_5 alkoxy, C_2-C_5 alkoxyalkyl, 4-6 membered heterocycle, and C_1-C_7 alkyl, wherein the C_1-C_7 alkyl is optionally substituted with 1 to 4 substituents independently selected from amino, carboxy, halo, hydroxy, oxo, -CN, C_2-C_8 ester, and C_1-C_5 alkoxy, optionally wherein R^b is substituted with a 3-10 membered heterocycle, optionally wherein the heterocycle is a N-heterocycle, optionally wherein the N-heterocycle is a 4-7 membered N-heterocycle, optionally wherein the heterocycle is substituted with 1 to 4 substituents independently selected from amino, carboxy, halo, hydroxy, oxo, -CN, $S(O)_2OH$, C_1-C_4 alkylamino, C_1-C_5 alkoxy, C_2-C_5 alkoxyalkyl, 4-6 membered heterocycle, and C_1-C_7 alkyl, wherein the C_1-C_7 alkyl is optionally substituted with 1 to 4 substituents independently selected from amino,

carboxy, halo, hydroxy, oxo, -CN, C_2-C_8 ester, and C_1-C_5 alkoxy, optionally wherein the heterocycle is substituted with C_1-C_7 alkyl, oxo, and/or halo.

16. The compound of claim 15 wherein R^b is substituted with amino, C_1-C_8 amide, and/or C_1-C_4 alkylamino or wherein R^b is substituted with oxo, hydroxy, and/or carboxy.

17. A compound of claim 1, selected from:

4-(1-benzyl-5-isopropoxy-1H-benzo[d]imidazol-2-yl)-3-chlorophenol,

tert-butyl (3-(4-(1-benzyl-5-isopropoxy-1H-benzo[d]imidazol-2-yl)-3-chlorophenoxy)propyl)carbamate,

N-(3-(4-(1-benzyl-5-isopropoxy-1H-benzo[d]imidazol-2-yl)-3-chlorophenoxy)propyl)acetamide,

N-(3-(4-(1-benzyl-5-isopropoxy-1H-benzo[d]imidazol-2-yl)-3-chlorophenoxy)propyl)heptanamide,

1-(4-chlorobenzyl)-5-isopropoxy-2-(4-methyl-6-(2-(4-methylpiperazin-1-yl)ethoxy)pyridin-3-yl)-1H-benzo[d]imidazole,

2-(2-chloro-4-(2-(4-methylpiperazin-1-yl)ethoxy)phenyl)-1-(2-chloro-6-fluoro-3-methylbenzyl)-5-isopropoxy-1H-benzo[d]imidazole,

1-(3-chlorobenzyl)-5-isopropoxy-2-(4-methyl-6-(2-(4-methylpiperazin-1-yl)ethoxy)pyridin-3-yl)-1H-benzo[d]imidazole,

1-benzyl-2-(2-chloro-4-(2-(1-methylpyrrolidin-2-yl)ethoxy)phenyl)-5-isopropoxy-1H-benzo[d]imidazole (Isomer 1),

1-benzyl-2-(2-chloro-4-(2-(1-methylpyrrolidin-2-yl)ethoxy)phenyl)-5-isopropoxy-1H-benzo[d]imidazole (Isomer 2),

(R)-1-benzyl-2-(2-chloro-4-(2-(1-methylpyrrolidin-2-yl)ethoxy)phenyl)-5-isopropoxy-1H-benzo[d]imidazole,

(S)-1-benzyl-2-(2-chloro-4-(2-(1-methylpyrrolidin-2-yl)ethoxy)phenyl)-5-isopropoxy-1H-benzo[d]imidazole,

1-benzyl-2-(2-chloro-4-((1-methylazepan-4-yl)oxy)phenyl)-5-isopropoxy-1H-benzo[d]imidazole (Isomer 1),

1-benzyl-2-(2-chloro-4-((1-methylazepan-4-yl)oxy)phenyl)-5-isopropoxy-1H-benzo[d]imidazole (Isomer 2),

(R)-1-benzyl-2-(2-chloro-4-((1-methylazepan-4-yl)oxy)phenyl)-5-isopropoxy-1H-benzo[d]imidazole,

(S)-1-benzyl-2-(2-chloro-4-((1-methylazepan-4-yl)oxy)phenyl)-5-isopropoxy-1H-benzo[d]imidazole

1-benzyl-2-(2-chloro-4-methoxyphenyl)-5-isopropoxy-1H-benzo[d]imidazole,

9-benzyl-6-isopropoxy-8-(4-(2-(4-methylpiperazin-1-yl)ethoxy)phenyl)-9H-purine,

9-benzyl-6-isopropoxy-8-(2-methyl-4-(2-(piperazin-1-yl)ethoxy)phenyl)-9H-purine,

tert-butyl 4-(2-(4-(9-benzyl-6-isopropoxy-9H-purin-8-yl)-3-methylphenoxy)ethyl)piperazine-1-carboxylate,

1-(4-(2-(4-(9-benzyl-6-isopropoxy-9H-purin-8-yl)-3-methylphenoxy)ethyl)piperazin-1-yl)ethan-1-one,

1-(4-(2-(4-(9-benzyl-6-isopropoxy-9H-purin-8-yl)-3-methylphenoxy)ethyl)piperazin-1-yl)hexan-1-one,

9-benzyl-8-(2-methyl-4-(2-(4-methylpiperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

1-(4-(5-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-4-methylpyridin-2-yl)piperazin-1-yl)ethan-1-one,

9-benzyl-8-(4-methyl-6-(2-(4-methylpiperazin-1-yl)ethoxy)pyridin-3-yl)-6-(1-methylcyclopropoxy)-9H-purine,

(R)-1-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenyl)-N,N-dimethylpyrrolidin-3-amine,

9-benzyl-8-(4-methyl-6-(piperazin-1-yl)pyridin-3-yl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(2-chloro-3-methoxyphenyl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(2-chloro-4-(piperazin-1-yl)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)-1-(piperazin-1-yl)ethan-1-one,

2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)-1-(4-methylpiperazin-1-yl)ethan-1-one,

1-(4-((4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)methyl)piperidin-1-yl)ethan-1-one,

9-benzyl-8-(2-chloro-4-(2-(1-methylpyrrolidin-2-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(2-chloro-4-(2-(1-methylpyrrolidin-2-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine (Isomer 2),

9-benzyl-8-(2-chloro-4-(2-(1-methylpyrrolidin-2-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine (Isomer 1),

(R)-9-benzyl-8-(2-chloro-4-(2-(1-methylpyrrolidin-2-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

(S)-9-benzyl-8-(2-chloro-4-(2-(1-methylpyrrolidin-2-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

1-(4-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)piperazin-1-yl)ethan-1-one,

3-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)propan-1-amine,

N-(3-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)propyl)acetamide,

1-(4-(2-(3-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-2-chlorophenoxy)ethyl)piperazin-1-yl)ethan-1-one,

9-benzyl-8-(2-chloro-3-((1-methylpiperidin-4-yl)oxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(2-chloro-3-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(2-chloro-3-(piperidin-4-yloxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(2-chloro-3-(2-(4-methylpiperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(2-chloro-4-((1-methylazepan-4-yl)oxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine (Isomer 1),

9-benzyl-8-(2-chloro-4-((1-methylazepan-4-yl)oxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine (Isomer 2),

(R)-9-benzyl-8-(2-chloro-4-((1-methylazepan-4-yl)oxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

(S)-9-benzyl-8-(2-chloro-4-((1-methylazepan-4-yl)oxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

4-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)piperazin-2-one,

(R)-8-(4-(azetidin-2-ylmethoxy)-2-chlorophenyl)-9-benzyl-6-(1-methylcyclopropoxy)-9H-purine,

(S)-9-benzyl-8-(2-chloro-4-(pyrrolidin-3-yloxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine

9-benzyl-8-(2-chloro-4-(3-(piperazin-1-yl)propoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(2-chloro-4-((3-fluoroazetidin-3-yl)methoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)-N,N-dimethylacetamide,

2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)-N-methylacetamide,

1-(4-(3-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)propyl)piperazin-1-yl)ethan-1-one,

2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethan-1-amine,

2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)acetic acid,

(R)-9-benzyl-8-(2-chloro-4-(pyrrolidin-2-ylmethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

N-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)-2-hydroxyacetamide,

2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)acetamide,

2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)-N-(2-hydroxyethyl)acetamide,

(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)glycine,

N-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)-N-methylglycine,

9-benzyl-8-(2-chloro-4-(((3S,4R)-4-fluoropyrrolidin-3-yl)oxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

(R)-9-benzyl-8-(2-chloro-4-(piperidin-3-yloxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(2-chloro-4-(piperidin-4-yloxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

8-(4-((2-azaspiro[3. 3]heptan-6-yl)oxy)-2-chlorophenyl)-9-benzyl-6-(1-methylcyclopropoxy)-9H-purine,

8-(4-(azetidin-3-yloxy)-2-chlorophenyl)-9-benzyl-6-(1-methylcyclopropoxy)-9H-purine,

8-(2-chloro-4-(2-(4-methylpiperazin-1-yl)ethoxy)phenyl)-9-(2-chlorobenzyl)-6-(1-methylcyclopropoxy)-9H-purine,

8-(2-chloro-4-(2-(4-methylpiperazin-1-yl)ethoxy)phenyl)-9-(3-chlorobenzyl)-6-(1-methylcyclopropoxy)-9H-purine,

8-(2-chloro-4-(2-(4-methylpiperazin-1-yl)ethoxy)phenyl)-9-(2,3-difluorobenzyl)-6-(1-methylcyclopropoxy)-9H-purine,

8-(2-chloro-4-(2-(4-methylpiperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-phenethyl-9H-purine,

8-(2-chloro-4-(2-(4-methylpiperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-(pyridin-2-ylmethyl)-9H-purine,

8-(2-chloro-4-(2-(4-methylpiperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-(pyrimidin-2-ylmethyl)-9H-purine,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-(pyridin-2-ylmethyl)-9H-purine,

1-(5-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-4-methylpyridin-2-yl)piperidin-4-amine,

1-(5-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-4-methylpyridin-2-yl)-N,N-dimethylazetidin-3-amine,

1-(5-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-4-methylpyridin-2-yl)-N,N-dimethylpiperidin-4-amine,

9-benzyl-8-(4-methyl-6-(3-(piperazin-1-yl)propoxy)pyridin-3-yl)-6-(1-methylcyclopropoxy)-9H-purine,

3-((5-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-4-methylpyridin-2-yl)oxy)-N,N-dimethylpropan-1-amine,

1-(4-(3-((5-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-4-methylpyridin-2-yl)oxy)propyl)piperazin-1-yl)ethan-1-one,

1-(4-(2-((5-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-4-methylpyridin-2-yl)oxy)ethyl)piperazin-1-yl)ethan-1-one,

9-benzyl-8-(4-methyl-6-(3-(pyrrolidin-1-yl)propoxy)pyridin-3-yl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(4-methyl-6-(2-(piperazin-1-yl)ethoxy)pyridin-3-yl)-6-(1-methylcyclopropoxy)-9H-purine,

4-(3-((5-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-4-methylpyridin-2-yl)oxy)propyl)morpholine,

2-((5-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-4-methylpyridin-2-yl)oxy)ethan-1-amine,

3-((5-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-4-methylpyridin-2-yl)oxy)propan-1-amine,

1-(3-((5-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-4-methylpyridin-2-yl)oxy)azetidin-1-yl)ethan-1-one,

(S)-9-benzyl-8-(4-methyl-6-(pyrrolidin-3-yloxy)pyridin-3-yl)-6-(1-methylcyclopropoxy)-9H-purine,

2-((5-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-4-methylpyridin-2-yl)oxy)-N,N-dimethylethan-1-amine,

(S)-9-benzyl-8-(4-methyl-6-(piperidin-3-yloxy)pyridin-3-yl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(3-methyl-2-(2-(piperazin-1-yl)ethoxy)pyridin-4-yl)-6-(1-methylcyclopropoxy)-9H-purine,

(R)-2-(((5-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-4-methylpyridin-2-yl)oxy)methyl)morpholine,

(R)-3-(((5-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-4-methylpyridin-2-yl)oxy)methyl)morpholine,

8-{6-[(azetidin-3-yl)oxy]-4-methylpyridin-3-yl}-9-benzyl-6-[(1-methylcyclopropyl)oxy]-9H-purine,

9-benzyl-8-(2,6-difluoro-4-(2-(4-methylpiperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(2-fluoro-4-(2-(4-methylpiperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(2-methoxy-4-(2-(4-methylpiperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(2,6-dimethyl-4-(2-(4-methylpiperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(2,3-difluoro-4-(2-(4-methylpiperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(2-bromo-4-(2-(4-methylpiperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

8-(2-chloro-4-(2-(4-methylpiperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-(pyridin-3-ylmethyl)-9H-purine,

2-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-5-(2-(4-methylpiperazin-1-yl)ethoxy)benzonitrile,

9-benzyl-8-(2-ethynyl-4-(2-(4-methylpiperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

(2-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-5-(2-(4-methylpiperazin-1-yl)ethoxy)phenyl)methanol,

3-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)propanoic acid,

(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)-L-proline,

(R)-1-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)pyrrolidin-3-ol,

1-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)azetidin-3-ol,

1-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)piperidin-4-ol

2-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)-2-azaspiro[3. 3]heptan-6-ol,

1-(3-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)propyl)azetidin-3-ol,

8-(4-(2-(1,6-diazaspiro[3. 3]heptan-6-yl)ethoxy)-2-chlorophenyl)-9-benzyl-6-(1-methylcyclopropoxy)-9H-purine,

(S)-4-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)-3-methylpiperazin-2-one,

6-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)-2-thia-6-azaspiro[3. 3]heptane 2,2-dioxide,

1-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)-1,4-diazepan-5-one,

(R)-4-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)-3-methylpiperazin-2-one,

6-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)-2-thia-6-azaspiro[3. 3]heptane,

9-benzyl-8-(2,3-dichloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(2-chloro-5-methoxy-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(2-chloro-3-methoxy-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(2,5-dichloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

9-(2-chlorobenzyl)-8-(4-methyl-6-(2-(piperazin-1-yl)ethoxy)pyridin-3-yl)-6-(1-methylcyclopropoxy)-9H-purine,

9-(3-chlorobenzyl)-8-(4-methyl-6-(2-(piperazin-1-yl)ethoxy)pyridin-3-yl)-6-(1-methylcyclopropoxy)-9H-purine,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclobutoxy)-9-(pyridin-2-ylmethyl)-9H-purine,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-(2-(pyridin-3-yl)ethyl)-9H-purine,

(S)-8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-(2-phenylpropyl)-9H-purine,

(R)-8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-(2-phenylpropyl)-9H-purine,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-(2-(pyridin-2-yl)ethyl)-9H-purine,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-phenethyl-9H-purine,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-9-(3-chlorobenzyl)-6-(1-methylcyclopropoxy)-9H-purine,

8-(2-chloro-4-(2-(4-methylpiperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-(pyridin-4-ylmethyl)-9H-purine,

4-((8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purin-9-yl)methyl)thiazole,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-9-((5-chloropyridin-2-yl)methyl)-6-(1-methylcyclopropoxy)-9H-purine,

2-((8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purin-9-yl)methyl)thiazole,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-9-((3-chloropyridin-2-yl)methyl)-6-(1-methylcyclopropoxy)-9H-purine,

4-((8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purin-9-yl)methyl)-2-methylthiazole,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-((6-methylpyridin-2-yl)methyl)-9H-purine,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-((4-(trifluoromethyl)pyridin-2-yl)methyl)-9H-purine,

6-((8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purin-9-yl)methyl)picolinonitrile,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-9-((6-methoxypyridin-2-yl)methyl)-6-(1-methylcyclopropoxy)-9H-purine,

2-((8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purin-9-yl)methyl)nicotinonitrile,

4-((8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purin-9-yl)methyl)-5-methylthiazole,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-(2-(pyridin-4-yl)ethyl)-9H-purine,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-((4-methylpyridin-2-yl)methyl)-9H-purine,

2-((8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purin-9-yl)methyl)-5-methylthiazole,

2-((8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purin-9-yl)methyl)isonicotinonitrile,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-9-((4-methoxypyridin-2-yl)methyl)-6-(1-methylcyclopropoxy)-9H-purine,

5-chloro-2-((8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purin-9-yl)methyl)thiazole,

2-chloro-4-((8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purin-9-yl)methyl)thiazole,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-((5-methylpyridin-2-yl)methyl)-9H-purine,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-((3-methylpyridin-2-yl)methyl)-9H-purine,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-9-((3-methoxypyridin-2-yl)methyl)-6-(1-methylcyclopropoxy)-9H-purine,

1-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenyl)azetidin-3-amine,

1-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenyl)piperidin-4-amine,

4-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenyl)piperazin-2-one,

(E)-3-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenyl)acrylic acid,

1-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)piperazin-2-one,

4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chloro-N,N-dimethylbenzamide,

4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chloro-N-methylbenzamide,

(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenyl)(piperazin-1-yl)methanone,

4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorobenzamide,

9-benzyl-8-(2-chloro-4-(pyrrolidin-1-ylmethyl)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(2-chloro-4-(piperazin-1-ylmethyl)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenyl)methanamine,

9-benzyl-8-(2-chloro-4-methoxyphenyl)-6-(1-methylcyclopropoxy)-9H-purine,

9-benzyl-8-(2-methoxypyridin-3-yl)-6-(1-methylcyclopropoxy)-9H-purine,

2-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-4-(1-methylcyclobutoxy)-1-(pyridin-2-ylmethyl)-1H-benzo[d]imidazole,

1-benzyl-2-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-4-(1-methylcyclobutoxy)-1H-benzo[d]imidazole,

2-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-7-(1-methylcyclobutoxy)-3-(pyridin-2-ylmethyl)-3H-imidazo[4,5-b]pyridine,

3-benzyl-2-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-7-(1-methylcyclobutoxy)-3H-imidazo[4,5-b]pyridine,

9-benzyl-8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-ethynylcyclopropoxy)-9H-purine,

9-benzyl-8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-ethylcyclopropoxy)-9H-purine,

9-benzyl-8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-ethynylcyclobutoxy)-9H-purine,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-9-(3-chlorobenzyl)-6-cyclopropoxy-9H-purine,

1-((8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-9-(3-chlorobenzyl)-9H-purin-6-yl)oxy)cyclopropane-1-carbonitrile,

2-(2-(3-chloro-4-(9-((4-chloropyridin-2-yl)methyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)ethyl)-2-azaspiro[3. 3]heptan-6-ol,

(R)-1-(2-(3-chloro-4-(9-((4-chloropyridin-2-yl)methyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)ethyl)pyrrolidin-3-ol,

(S)-9-benzyl-8-(2-chloro-4-(2-(3-methylpiperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

8-(4-(2-(3,8-diazabicyclo[3. 2. 1]octan-3-yl)ethoxy)-2-chlorophenyl)-9-benzyl-6-(1-methylcyclopropoxy)-9H-purine,

3-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)-3,6-diazabicyclo[3. 1. 1]heptane,

(R)-9-benzyl-8-(2-chloro-4-(2-(3-methylpiperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

(R)-1-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)piperidin-3-ol,

2-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)-2,6-diazaspiro[3. 4]octan-7-one,

(cis)-9-benzyl-8-(2-chloro-4-(2-(3,5-dimethylpiperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

(S)-9-benzyl-8-(2-chloro-4-(2-(2-methylpiperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

(R)-9-benzyl-8-(2-chloro-4-(2-(2-methylpiperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9H-purine,

1-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)-1,4-diazepan-2-one,

1-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)-3-methylpiperazin-2-one (Isomer 1),

1-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)-3-methylpiperazin-2-one (Isomer 2),

6-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)-3,6-diazabicyclo[3. 1. 1]heptane,

1-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)-3,3-dimethylpiperazin-2-one,

8-(4-(2-(4,7-diazaspiro[2. 5]octan-7-yl)ethoxy)-2-chlorophenyl)-9-benzyl-6-(1-methylcyclopropoxy)-9H-purine,

(R)-(4-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)piperazin-2-yl)methanol,

8-(4-(2-((1S,4S)-2,5-diazabicyclo[2. 2. 1]heptan-2-yl)ethoxy)-2-chlorophenyl)-9-benzyl-6-(1-methylcyclopropoxy)-9H-purine,

8-(4-(2-((1R,4R)-2,5-diazabicyclo[2. 2. 1]heptan-2-yl)ethoxy)-2-chlorophenyl)-9-benzyl-6-(1-methylcyclopropoxy)-9H-purine,

(1S,4S)-2-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)-2,5-diazabicyclo[2. 2. 2]octane,

8-(4-(2-(4,7-diazaspiro[2. 5]octan-4-yl)ethoxy)-2-chlorophenyl)-9-benzyl-6-(1-methylcyclopropoxy)-9H-purine,

(S)-2-(4-(2-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)ethyl)piperazin-2-yl)acetonitrile,

1-(3-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)propyl)piperazin-2-one,

4-(3-(4-(9-benzyl-6-(1-methylcyclopropoxy)-9H-purin-8-yl)-3-chlorophenoxy)propyl)piperazin-2-one,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-9-((4-cyclopropylpyridin-2-yl)methyl)-6-(1-methylcyclopropoxy)-9H-purine,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-9-((4-ethylpyridin-2-yl)methyl)-6-(1-methylcyclopropoxy)-9H-purine,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-9-(1-(4-chloropyridin-2-yl)ethyl)-6-(1-methylcyclopropoxy)-9H-purine (Isomer 2),

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-9-(1-(4-chloropyridin-2-yl)ethyl)-6-(1-methylcyclopropoxy)-9H-purine (Isomer 1),

(R)-8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-9-(1-(4-chloropyridin-2-yl)ethyl)-6-(1-methylcyclopropoxy)-9H-purine,

(S)-8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-9-(1-(4-chloropyridin-2-yl)ethyl)-6-(1-methylcyclopropoxy)-9H-purine,

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-(1-(pyridin-2-yl)propan-2-yl)-9H-purine (Isomer 2),

8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-(1-(pyridin-2-yl)propan-2-yl)-9H-purine (Isomer 1),

(R)-8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-(1-(pyridin-2-yl)propan-2-yl)-9H-purine,

(S)-8-(2-chloro-4-(2-(piperazin-1-yl)ethoxy)phenyl)-6-(1-methylcyclopropoxy)-9-(1-(pyridin-2-yl)propan-2-yl)-9H-purine,

2-(3-Chloro-4-(6-(1-methylcyclopropoxy)-9-((4-methylpyridin-2-yl)methyl)-9H-purin-8-yl)phenyl)acetamide,

E-3-(3-Chloro-4-(9-(3-chlorobenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenyl)acrylic acid,

3-(3-Chloro-4-(9-(3-chlorobenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)-2,2-dimethylpropanoic acid,

2-(3-Chloro-4-(6-(1-methylcyclopropoxy)-9-((4-methylpyridin-2-yl)methyl)-9H-purin-8-yl)phenoxy)ethan-1-ol,

4-(3-Chloro-4-(9-(3-chlorobenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)-2-methylbutanoic acid,

4-(3-Chloro-4-(9-(3-chlorobenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)-2-methylbutanoic acid (Isomer 1),

4-(3-Chloro-4-(9-(3-chlorobenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)-2-methylbutanoic acid (Isomer 2),

(R)-4-(3-Chloro-4-(9-(3-chlorobenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)-2-methylbutanoic acid,

(S)-4-(3-Chloro-4-(9-(3-chlorobenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)-2-methylbutanoic acid,

(S)-1-(3-Chloro-4-(6-(1-methylcyclopropoxy)-9-((4-methylpyridin-2-yl)methyl)-9H-purin-8-yl)phenoxy)propan-2-ol,

(R)-1-(3-Chloro-4-(6-(1-methylcyclopropoxy)-9-((4-methylpyridin-2-yl)methyl)-9H-purin-8-yl)phenoxy)propan-2-ol,

1-(3-Chloro-4-(6-(1-methylcyclopropoxy)-9-((4-methylpyridin-2-yl)methyl)-9H-purin-8-yl)phenoxy)propan-2-ol,

2-(3-Chloro-4-(9-((4-chloropyridin-2-yl)methyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenyl)acetamide,

1-(3-(3-Chloro-4-(6-(1-methylcyclopropoxy)-9-((4-methylpyridin-2-yl)methyl)-9H-purin-8-yl)phenoxy)474zetidine-1-yl)-2-hydroxyethan-1-one,

1-(3-(3-Chloro-4-(6-(1-methylcyclopropoxy)-9-((4-methylpyridin-2-yl)methyl)-9H-purin-8-yl)phenoxy)475zetidine-1-yl)ethan-1-one,

(S)-5-(3-Chloro-4-(6-(1-methylcyclopropoxy)-9-((4-methylpyridin-2-yl)methyl)-9H-purin-8-yl)phenoxy)piperidin-2-one,

5-(3-Chloro-4-(6-(1-methylcyclopropoxy)-9-((4-methylpyridin-2-yl)methyl)-9H-purin-8-yl)phenoxy)tetrahydropyrimidin-2(1H)-one,

5-(3-Chloro-4-(9-(3-chlorobenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)pentanoic acid,

4-(3-Chloro-4-(9-(3-chlorobenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)butanoic acid,

1-(3-Chloro-4-(6-(1-methylcyclopropoxy)-9-((4-methylpyridin-2-yl)methyl)-9H-purin-8-yl)phenoxy)-2-methylpropan-2-ol,

2-(2-(3-Chloro-4-(9-(3-chlorobenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)ethoxy)acetic acid,

(R)-4-(3-chloro-4-(9-(5-chloro-2-methoxybenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)-2-methylbutanoic acid,

(S)-4-(3-chloro-4-(9-(5-chloro-2-methoxybenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)-2-methylbutanoic acid,

3-(2-Chloro-3-(9-(5-chloro-2-methoxybenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)propanoic acid,

(R)-4-(2-chloro-3-(9-(5-chloro-2-methoxybenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)-3-methylbutanoic acid,

(S)-4-(2-chloro-3-(9-(5-chloro-2-methoxybenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)-3-methylbutanoic acid,

(1s,3s)-3-(2-chloro-3-(9-(5-chloro-2-methoxybenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)cyclobutane-1-carboxylic acid,

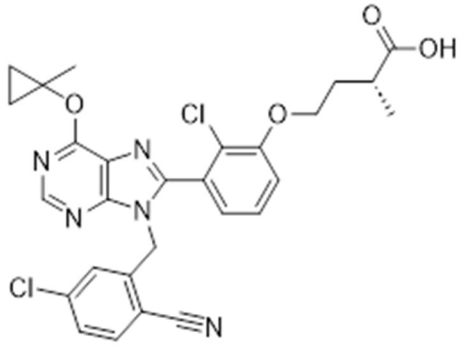
(R)-4-(2-Chloro-3-(9-(5-chloro-2-cyanobenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)-2-methylbutanoic acid,

(S)-4-(2-Chloro-3-(9-(5-chloro-2-cyanobenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)-2-methylbutanoic acid,

and pharmaceutically acceptable salts thereof.

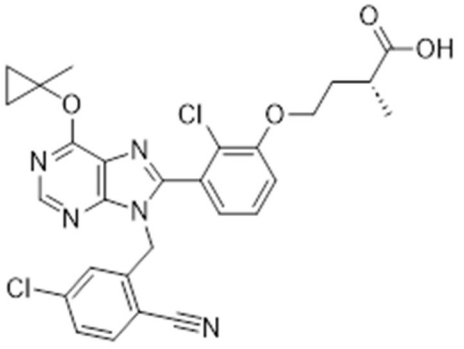
18. A compound of claim 1, selected from the compounds of Tables T and U, and pharmaceutically acceptable salts thereof.

19. A compound of claim 1, wherein the compound is (R)-4-(2-chloro-3-(9-(5-chloro-2-cyanobenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)-2-methylbutanoic acid:



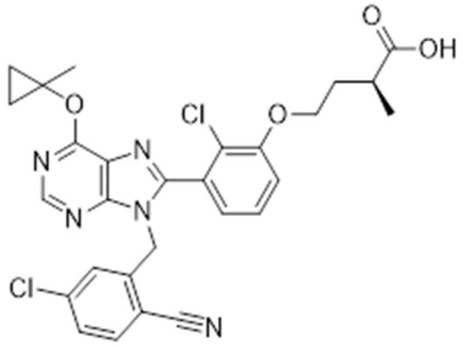
or a pharmaceutically acceptable salt thereof.

20. A compound of claim 1, wherein the compound is (R)-4-(2-chloro-3-(9-(5-chloro-2-cyanobenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)-2-methylbutanoic acid:



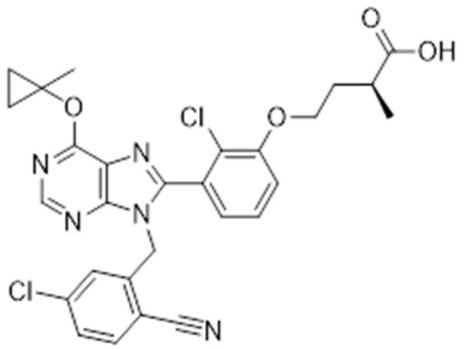
.

21. A compound of claim 1, wherein the compound is (S)-4-(2-chloro-3-(9-(5-chloro-2-cyanobenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)-2-methylbutanoic acid:



or a pharmaceutically acceptable salt thereof.

22. A compound of claim 1, wherein the compound is (S)-4-(2-chloro-3-(9-(5-chloro-2-cyanobenzyl)-6-(1-methylcyclopropoxy)-9H-purin-8-yl)phenoxy)-2-methylbutanoic acid:



.

23. A compound of any of claims 1-22 for use in therapy.

24. A compound of any of claims 1-22 for use in the treatment cancer.

25. Use of a compound of any of claims 1-24 in the manufacture of a medicament for treating cancer, wherein a therapeutically effective amount of the compound is to be administered to a patient in need thereof.

26. The compound for use of claim 24 or use of claim 25, wherein the cancer exhibits homologous recombination repair deficiency (HRD).

27. The compound for use or use of any of claims 24-26 wherein the cancer is a solid cancer, optionally wherein the cancer is breast, ovarian, pancreatic, or prostate cancer.

28. The compound for use or use of any of claims 24-27 wherein the cancer comprises a BRCA1 and/or BRCA2 mutation; and/or wherein the cancer is PARP inhibitor (PARPi) resistant.

29. The compound for use of claim 24 or use of claim 25, wherein the cancer is

i) Ataxia Telangiectasia Mutated (ATM) mutation-positive;

ii) a hematological cancer.

iii) positive for a mutation in genes coding for Fanconi anemia (FA) proteins or FA-like genes; or

iv) positive for a mutation in genes coding for DNA repair proteins, optionally wherein the mutation is in one or more genes selected from RAD50, RAD51, RAD51B, RAD51C, RAD51D, RAD51L1, RAD51L2, RAD51L3, XRCC2, XRCC3, RAD52, RAD54, RAD54L, RAD54B, MRE11, NBS1, DMC1, CTIP (CTBP-interacting Protein), PALB2 (Partner and Localizer of BRCA2), RECQL4 (RecQ Protein-like 4), BLM (Bloom syndrome, RecQ helicase-like), WRN (Werner syndrome, RecQ helicase-like), NBS1 (Nibrin), and EMSY.