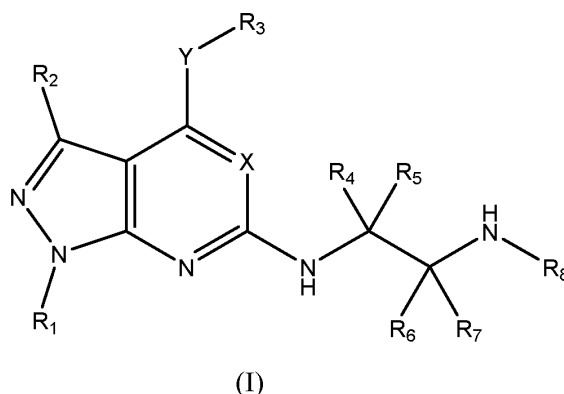


CLAIMS

1. A compound of the formula (I), or a pharmaceutically acceptable salt thereof,



5 wherein:

R_1 is selected from methyl, ethyl, CH_2F , CHF_2 , cyclopropyl, and CH_2CN wherein one or more hydrogen atoms in methyl, ethyl, CH_2F , CHF_2 , cyclopropyl, and CH_2CN may be replaced by deuterium;

10 R_2 is selected from hydrogen, C_{1-2} alkyl, C_{1-2} haloalkyl, cyano, amino, halo, trifluoromethyl, trifluoromethoxy, hydroxy, carboxy, carbamoyl, sulphonyl, NR_rR_s , OR_r , $\text{C}(\text{O})\text{R}_r$, $\text{C}(\text{O})\text{OR}_r$, $\text{OC}(\text{O})\text{R}_r$, $\text{C}(\text{O})\text{N}(\text{R}_r)\text{R}_s$, $\text{N}(\text{R}_r)\text{C}(\text{O})\text{R}_s$, $\text{S}(\text{O})_a\text{R}_r$ (where a is 0, 1 or 2), $\text{SO}_2\text{N}(\text{R}_r)\text{R}_s$, $\text{N}(\text{R}_r)\text{SO}_2\text{R}_s$ or $(\text{CH}_2)_b\text{NR}_r\text{R}_s$ (where b is 1, 2 or 3), wherein R_r and R_s are each independently selected from hydrogen or C_{1-2} alkyl;

R_3 is a group of the formula:

15 $-\text{L}_{1a}-\text{L}_{1b}-\text{Q}_1$

wherein

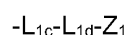
L_{1a} is absent or C_{1-3} alkylene, C_{3-4} cycloalkylene, optionally substituted by one or more substituents selected from C_{1-2} alkyl, halo, hydroxy, amino or oxo;

20 L_{1b} is absent or selected from O, S, SO, SO_2 , $\text{N}(\text{R}_x)$, $\text{C}(\text{O})$, $\text{C}(\text{O})\text{O}$, $\text{OC}(\text{O})$, $\text{C}(\text{O})\text{N}(\text{R}_x)$, $\text{N}(\text{R}_x)\text{C}(\text{O})$, $\text{N}(\text{R}_x)\text{C}(\text{O})\text{N}(\text{R}_y)$, $\text{S}(\text{O})_2\text{N}(\text{R}_x)$, or $\text{N}(\text{R}_x)\text{SO}_2$, wherein R_x and R_y are each independently selected from hydrogen or C_{1-2} alkyl; and

25 Q_1 is hydrogen, cyano, C_{1-6} alkyl, C_{3-10} carbocyclic, C_{2-3} alkenyl, C_{2-3} alkynyl, aryl, heterocyclyl or heteroaryl; wherein one or more hydrogen atoms in C_{1-6} alkyl may be replaced by deuterium; and wherein C_{1-6} alkyl, C_{3-10} carbocyclic, C_{2-3} alkenyl, C_{2-3} alkynyl, aryl, heterocyclyl or heteroaryl are optionally substituted by one or more substituents

selected from C₁₋₄alkyl, halo, trifluoromethyl, trifluoromethoxy, amino, cyano, hydroxy, carboxy, carbamoyl, sulphamoyl, NR_tR_u, OR_t, C(O)R_t, C(O)OR_t, OC(O)R_t, C(O)N(R_t)R_u, N(R_t)C(O)R_u, S(O)_yR_t (where y is 0, 1 or 2), SO₂N(R_t)R_u, N(R_t)SO₂R_u or (CH₂)_zNR_tR_u (where z is 1, 2 or 3); wherein R_t and R_u are each independently selected from hydrogen or C₁₋₄alkyl wherein the C₁₋₄alkyl is optionally substituted with one or more halo substituents or -L_{1c}-L_{1d}-Z₁ as defined below; or

Q₁ is optionally substituted by one or more groups of the formula:



wherein

L_{1c} is absent, C₁₋₃alkylene or O-C₁₋₃alkylene, wherein C₁₋₃alkylene or O-C₁₋₃alkylene are optionally substituted by C₁₋₂alkyl or oxo;

L_{1d} is absent or selected from O, C(O), C(O)O, OC(O), C(O)N(R_m), N(R_m)C(O), N(R_m)C(O)N(R_n), S(O)₂N(R_m), S(O)₂, or N(R_m)SO₂, wherein R_m and R_n are each independently selected from hydrogen or C₁₋₂alkyl; and

Z₁ is cyano, C₁₋₆alkyl, C₃₋₁₀carbocyclic, C₂₋₃alkenyl, C₂₋₃alkynyl, aryl, heterocyclyl or heteroaryl; and wherein C₁₋₆alkyl, C₃₋₁₀carbocyclic, C₂₋₃alkenyl, C₂₋₃alkynyl, aryl, heterocyclyl or heteroaryl are optionally substituted by one or more substituents selected from C₁₋₄alkyl, C₂₋₄alkynyl, halo, trifluoromethyl, trifluoromethoxy, amino, cyano, hydroxy, carboxy, carbamoyl, sulphamoyl, NR_vR_w, OR_v, C(O)R_v, C(O)OR_v, OC(O)R_v, C(O)N(R_v)R_w, N(R_v)C(O)R_w, S(O)_xR_v (where x is 0, 1 or 2), SO₂N(R_v)R_w, N(R_v)SO₂R_w or (CH₂)_sNR_vR_w (where s is 1, 2 or 3), wherein R_v and R_w are each independently selected from hydrogen or C₁₋₄alkyl;

R₄ is hydrogen;

R₅ is selected from hydrogen and C₁₋₄alkyl;

R₆ is selected from hydrogen and C₁₋₄alkyl;

R₇ is selected from hydrogen, C₁₋₄alkyl, C₃₋₆cycloalkyl, heterocyclyl, heteroaryl and aryl, wherein C₁₋₄alkyl, C₃₋₆cycloalkyl, heterocyclyl, heteroaryl or aryl is optionally substituted with one or more substituents selected from C₁₋₄alkyl, C₂₋₃alkenyl, C₂₋₃alkynyl, halo, trifluoromethyl, trifluoromethoxy, amino, cyano, hydroxy, carboxy, carbamoyl, sulphamoyl, NR_pR_q, OR_p, C(O)R_p, C(O)OR_p, OC(O)R_p, C(O)N(R_p)R_q, N(R_p)C(O)R_q, S(O)_jR_p (where j is 0, 1 or 2), SO₂N(R_p)R_q, N(R_p)SO₂R_q or (CH₂)_kNR_pR_q (where k is 1, 2 or 3), wherein R_p and R_q are each independently selected from hydrogen or C₁₋₄alkyl;

R₈ is selected from hydrogen or C₁₋₄alkyl;

or R₆ and R₇ may be linked together to form a 3-, 4-, 5-, or 6-membered carbocyclic or heterocyclic ring system, wherein the 3-, 4-, 5-, or 6-membered carbocyclic or heterocyclic ring system is optionally substituted with one or more substituents selected from C₁₋₂alkyl, C₁₋₂alkoxy, C₁₋₂haloalkyl, halo, and cyano;

or R₅ and R₇ may be linked together to form a 5- or 6-membered carbocyclic or heterocyclic ring system wherein the 5- or 6-membered carbocyclic or heterocyclic ring system is optionally substituted with one or more substituents selected from C₁₋₂alkyl, C₁₋₂alkoxy, C₁₋₂haloalkyl, halo, and cyano;

or R₇ and R₈ may be linked together to form a 4-, 5-, 6- or 7-membered heterocyclic ring system wherein the 4-, 5-, 6- or 7-membered heterocyclic ring system is optionally substituted with one or more substituents selected from C₁₋₂alkyl, C₁₋₂alkoxy, C₁₋₂haloalkyl, halo, and cyano;

X is selected from N and CR₉;

R₉ is selected from hydrogen, methyl, and fluoro;

Y is selected from O and NR₁₀; and

R₁₀ is selected from hydrogen and C₁₋₄alkyl;

or R₃ and R₁₀ may be linked together to form a 4-, 5-, 6- or 7- membered heterocyclic ring system.

20

2. A compound according to claim 1, or a pharmaceutically acceptable salt thereof, wherein R₅ is C₁₋₄ alkyl, R₆ is hydrogen and R₇ is hydrogen.

3. A compound according to claim 1, or a pharmaceutically acceptable salt thereof, wherein R₅ is hydrogen.

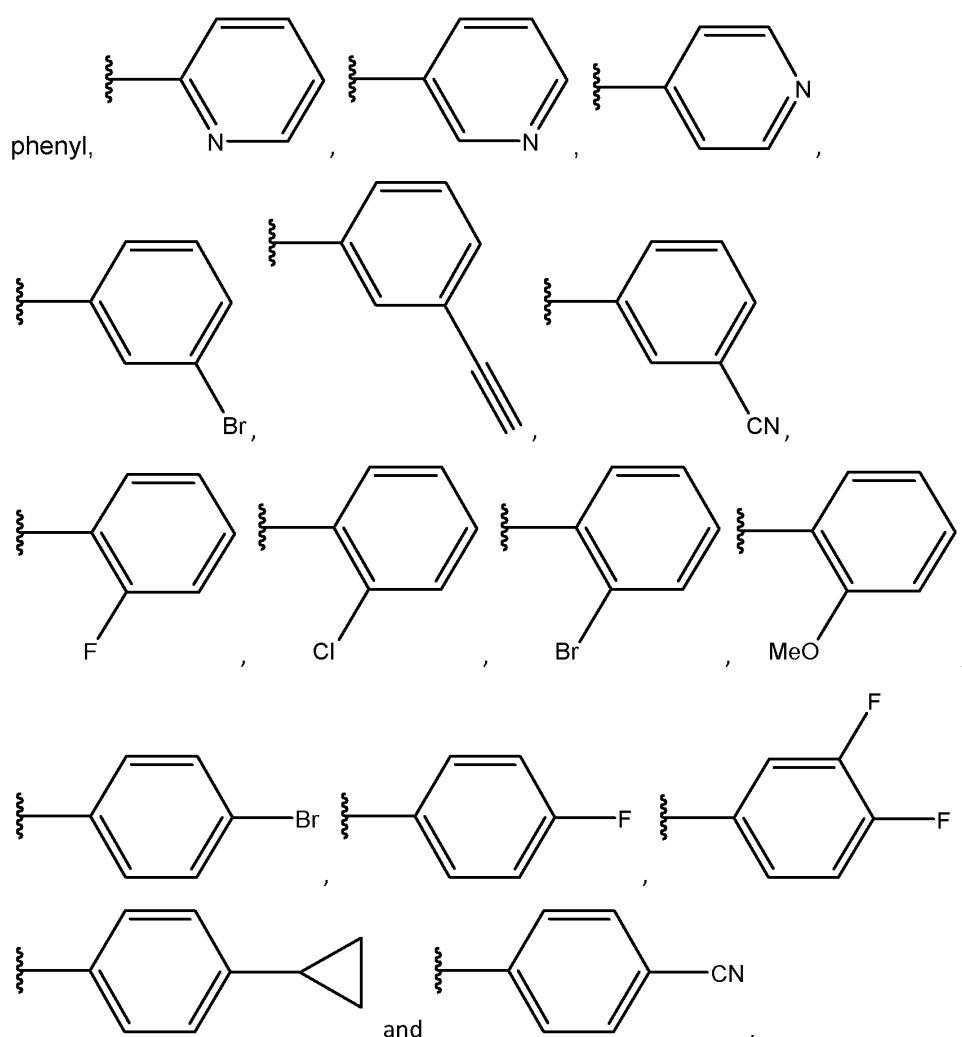
4. A compound according to claim 1, or a pharmaceutically acceptable salt thereof, wherein either:

R₆ is hydrogen and R₇ is hydrogen, methyl, ethyl, cyclopropyl, cyclohexyl, pyridyl, and phenyl, wherein methyl, cyclopropyl, cyclohexyl, pyridyl or phenyl is optionally substituted with one or more substituents selected from methyl, ethynyl,

fluoro, chloro, bromo, cyano and OR_p , wherein R_p is independently selected from hydrogen or methyl;

or R_6 and R_7 are linked together to form a 3-, 4-, 5-, or 6-membered carbocyclic or heterocyclic ring system, wherein the 3-, 4-, 5-, or 6-membered carbocyclic or heterocyclic ring system is optionally substituted with one or more substituents selected from C_{1-2} alkyl, C_{1-2} alkoxy, C_{1-2} haloalkyl, halo, and cyano.

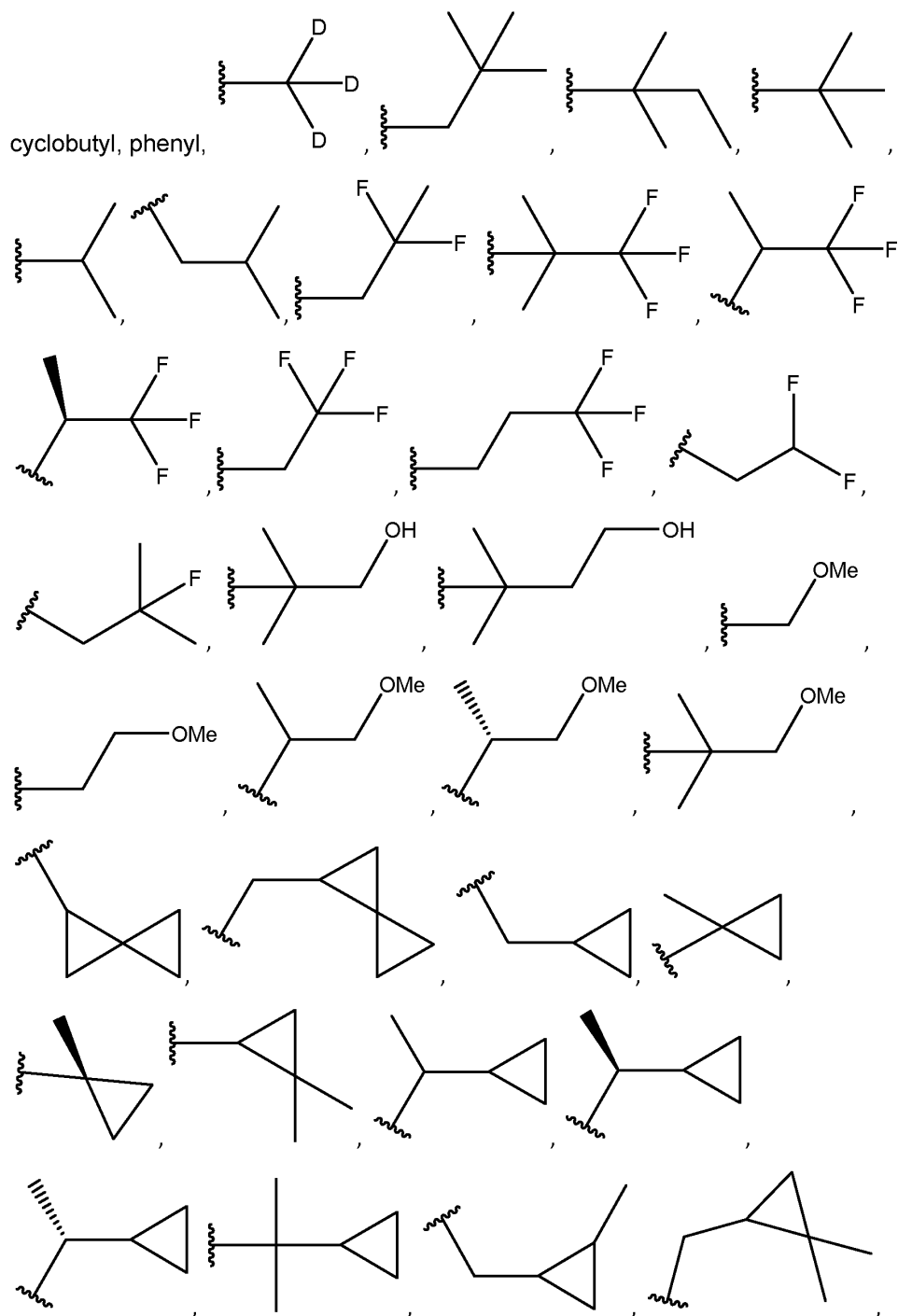
5. A compound according to claim 4, or a pharmaceutically acceptable salt thereof, wherein R_6 is hydrogen and R_7 is selected from hydrogen, methyl optionally substituted with fluoro or OMe, ethyl, $-CH_2F$, $-CH_2OMe$, cyclopropyl, cyclohexyl,

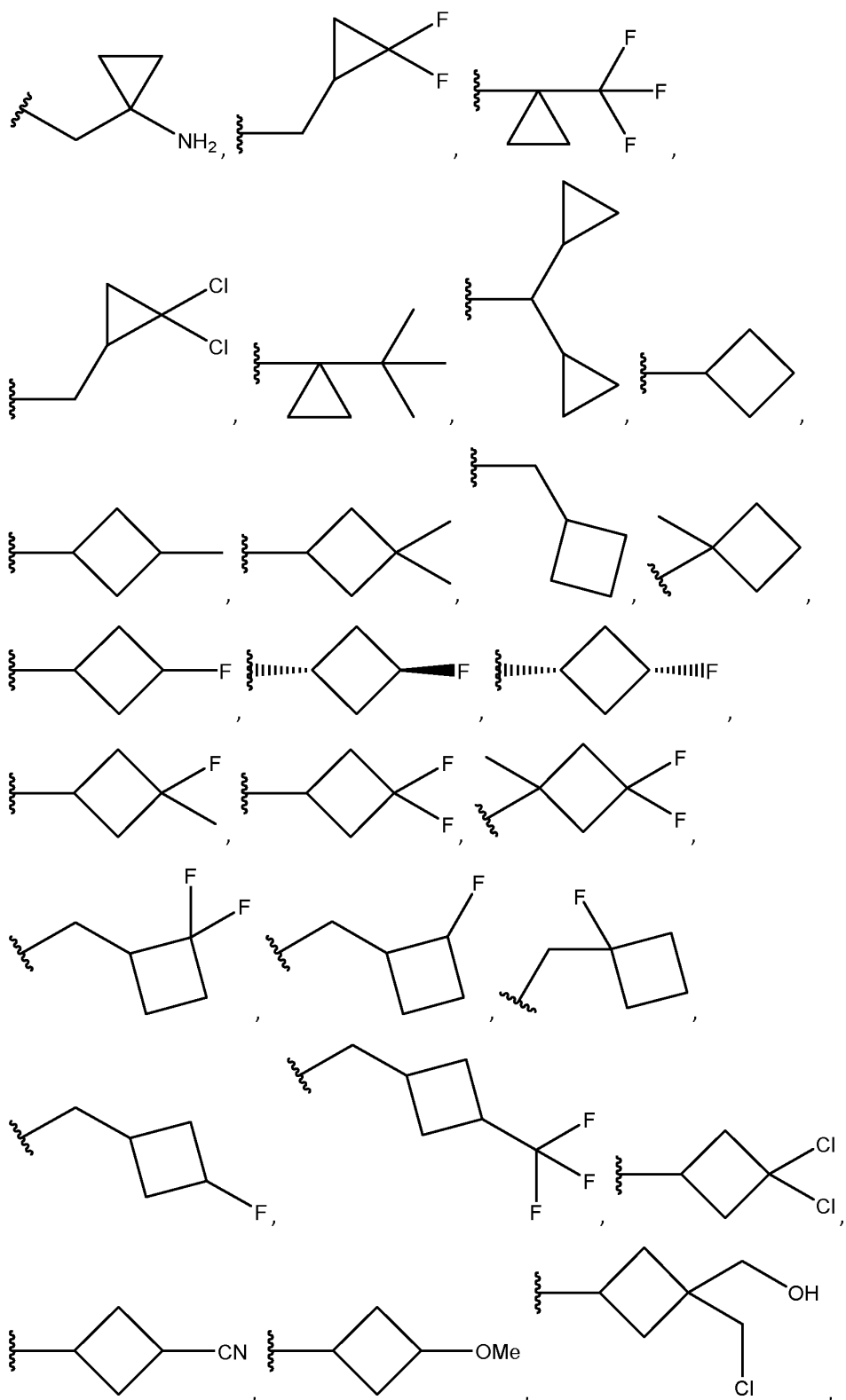


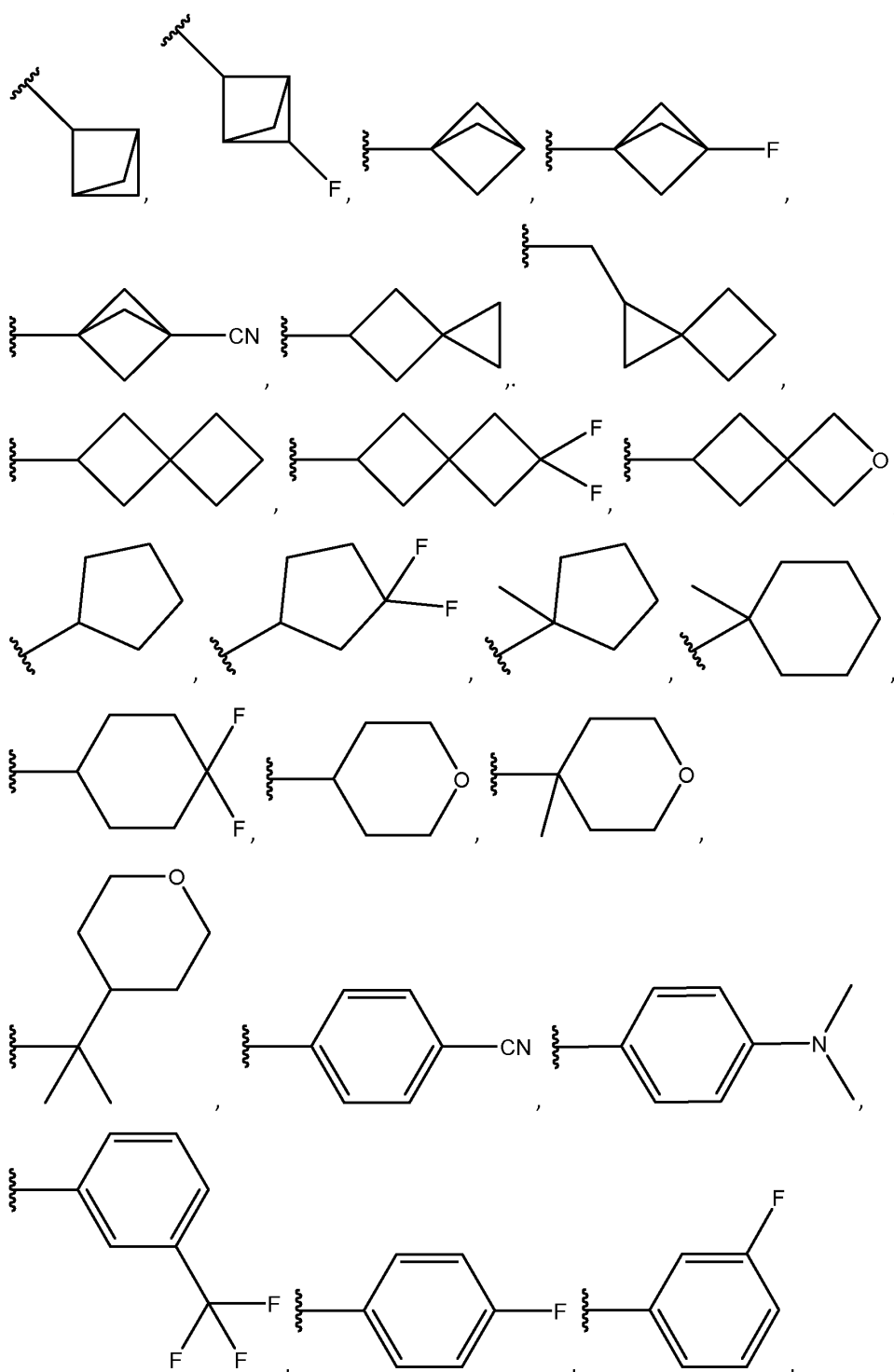
6. A compound according to claim 4, wherein R₆ and R₇ are linked together to form a 3-, 4-, 5-, or 6-membered carbocyclic ring system, wherein the 3-, 4-, 5-, or 6-membered carbocyclic heterocyclic ring system is optionally substituted with one or more fluoro.
- 5 7. A compound according to claim 1, or a pharmaceutically acceptable salt thereof, wherein R₆ is hydrogen, and R₅ and R₇ are linked together to form a 5- or 6-membered carbocyclic or heterocyclic ring system wherein the 5- or 6-membered carbocyclic or heterocyclic ring system is optionally substituted with one or more substituents selected from C₁₋₂alkyl, C₁₋₂alkoxy, C₁₋₂haloalkyl, halo, and cyano.
- 10 8. A compound according to claim 1, or a pharmaceutically acceptable salt thereof, wherein R₅ is hydrogen, and R₆ and R₇ are linked together to form a 3-, 4-, 5-, or 6-membered carbocyclic or heterocyclic ring system, wherein the 3-, 4-, 5-, or 6-membered carbocyclic or heterocyclic ring system is optionally substituted with one
- 15 or more substituents selected from C₁₋₂alkyl, C₁₋₂alkoxy, C₁₋₂haloalkyl, halo, and cyano.
- 20 9. A compound according to claim 8, or a pharmaceutically acceptable salt thereof, wherein R₅ is hydrogen, and R₆ and R₇ are linked together to form a cyclopropyl ring system.
- 25 10. A compound according to claim 1, or a pharmaceutically acceptable salt thereof, wherein R₅ is hydrogen, and R₇ and R₈ are linked together to form a 4-, 5-, 6- or 7-membered heterocyclic ring system wherein the 4-, 5-, 6- or 7-membered heterocyclic ring system is optionally substituted with one or more substituents selected from C₁₋₂alkyl, C₁₋₂alkoxy, C₁₋₂haloalkyl, halo, and cyano.
- 30 11. A compound according to any preceding claims, or a pharmaceutically acceptable salt thereof, wherein R₁ is methyl.
- 35 12. A compound according to any preceding claims, or a pharmaceutically acceptable salt thereof, wherein R₂ is hydrogen.
13. A compound according to any preceding claims, or a pharmaceutically acceptable salt thereof, wherein Y is NR₁₀ and R₁₀ is hydrogen..

14. A compound according to any preceding claims, or a pharmaceutically acceptable salt thereof, wherein X is N.

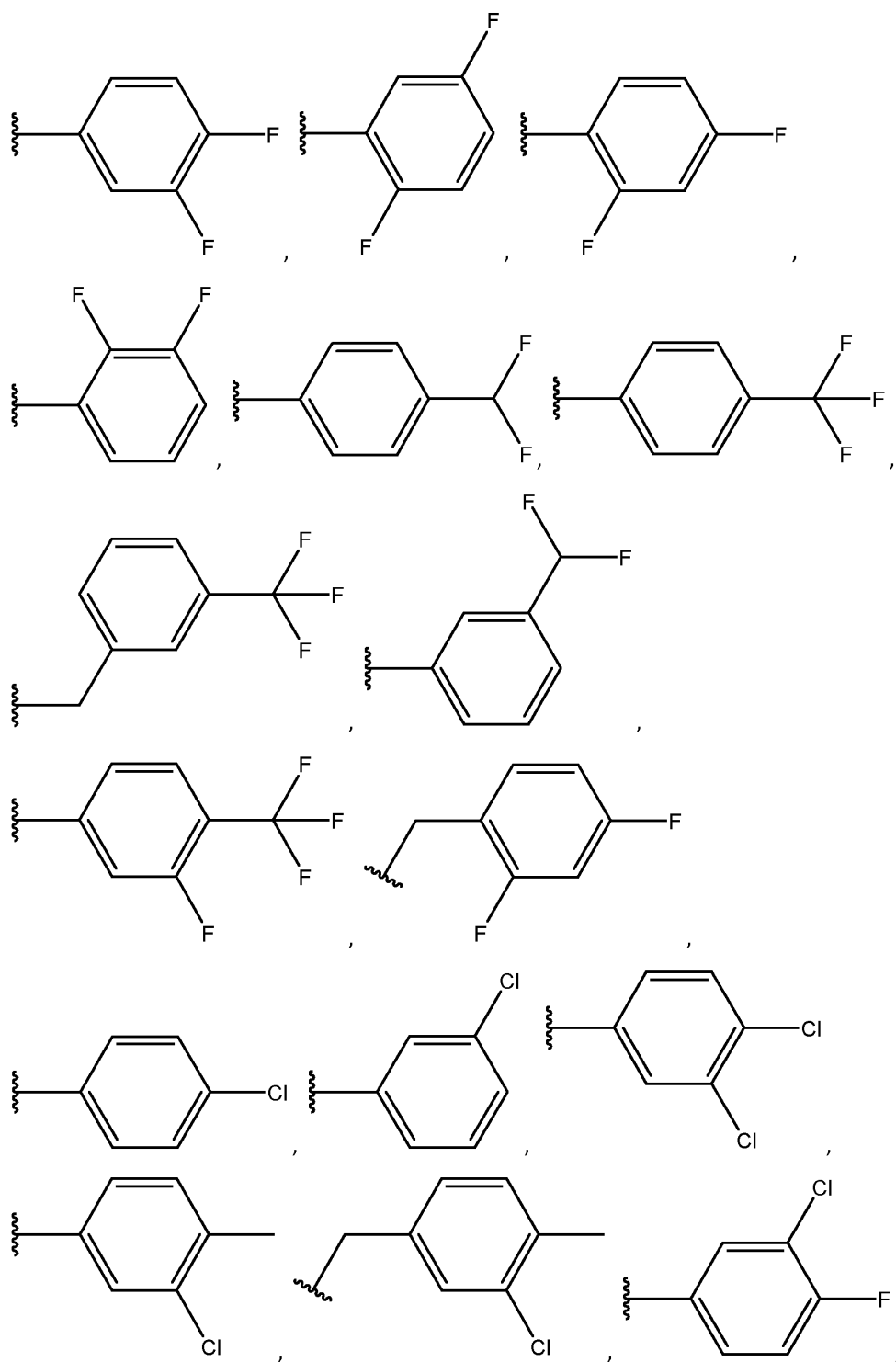
15. A compound according to any preceding claims, or a pharmaceutically acceptable salt thereof, wherein R₃ is selected from: methyl, ethyl, isopropyl, t-butyl, cyclopropyl,

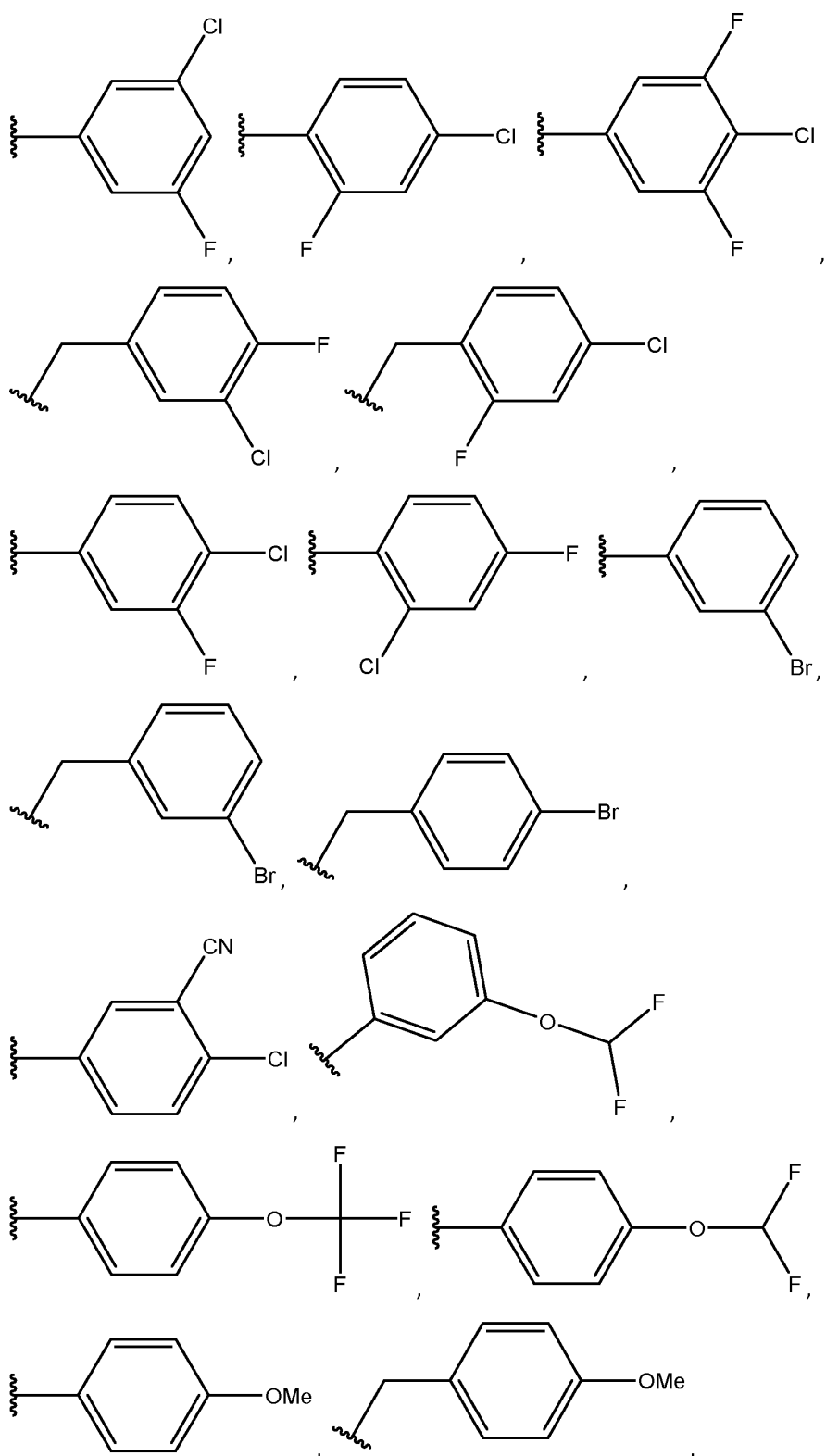




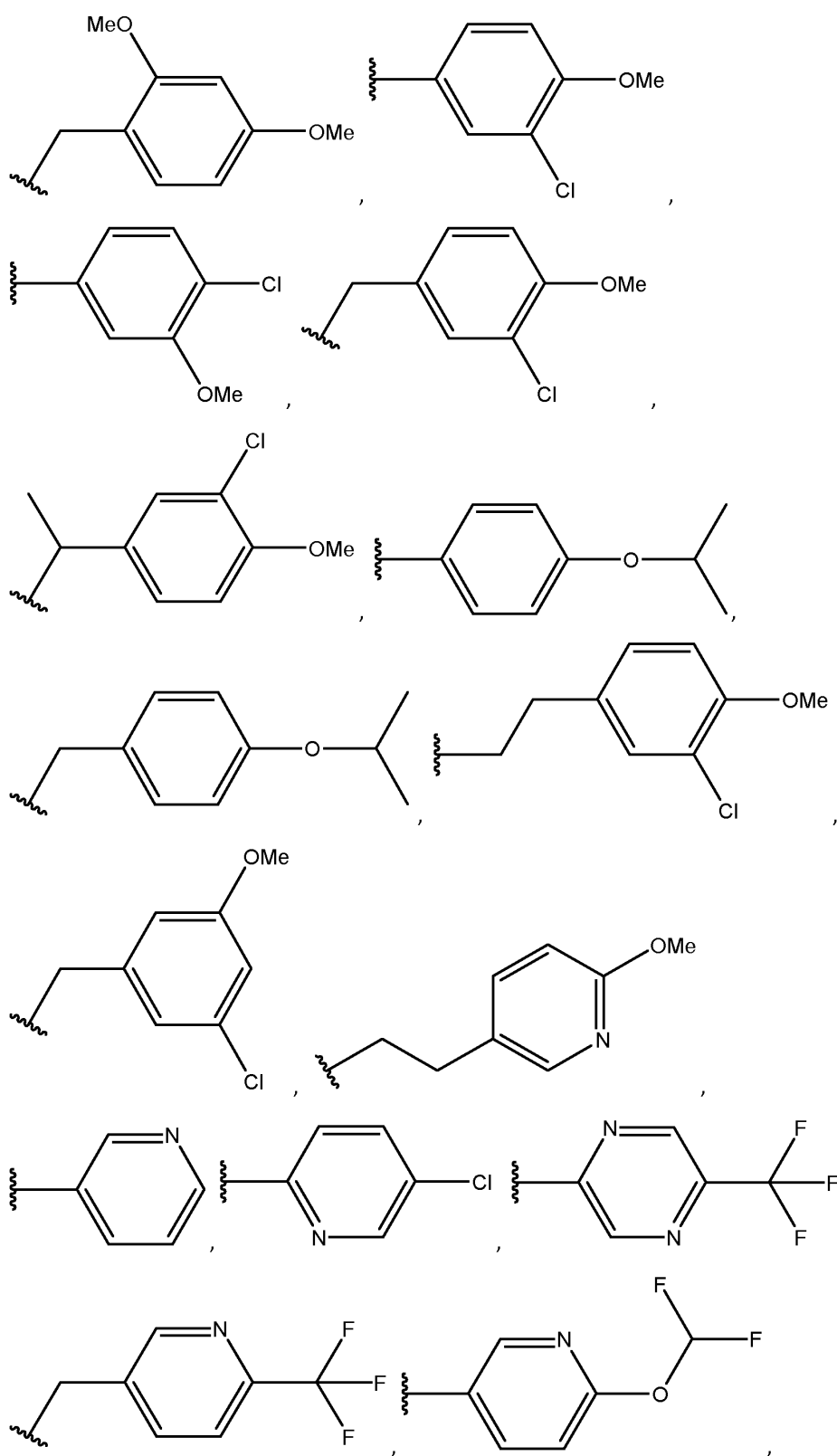


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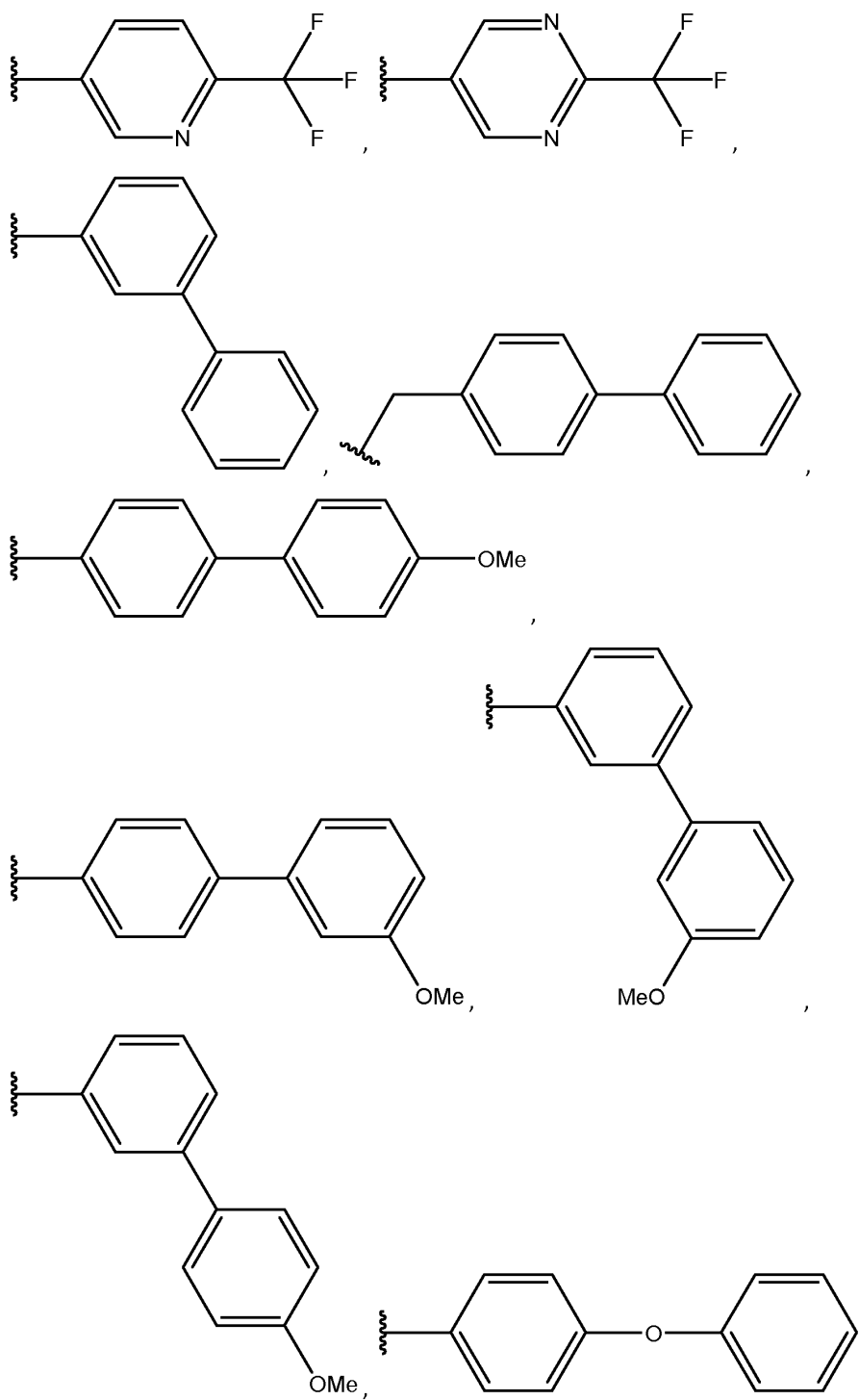


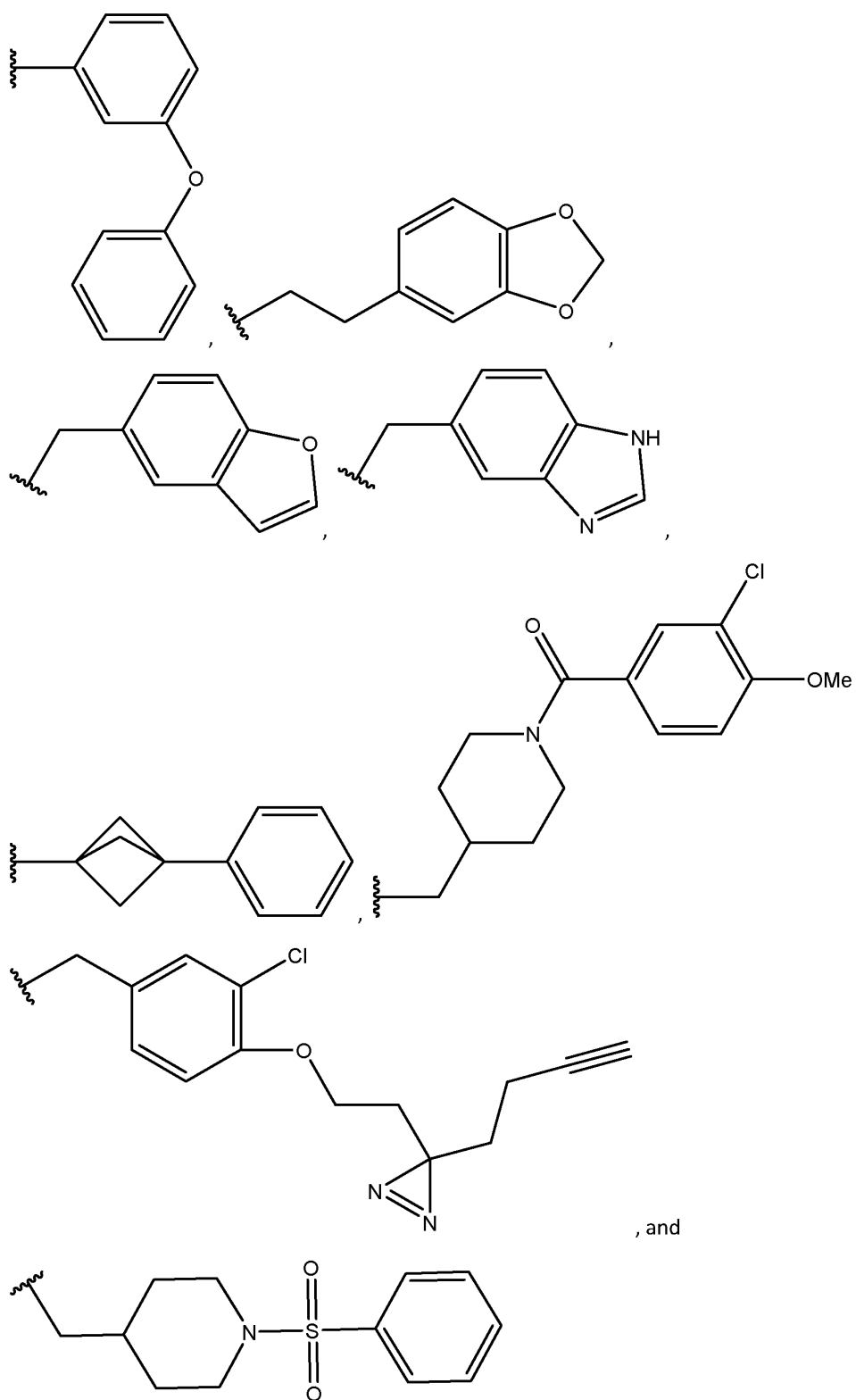


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16. A compound, or a pharmaceutically acceptable salt thereof, selected from any one of the following:

N6-(2-Aminoethyl)-1-methyl-N4-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;

5 N6-(2-aminoethyl)-1-methyl-N4-[3-(trifluoromethyl)phenyl]-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;

N6-(2-aminoethyl)-1-methyl-N4-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;

10 N6-(2-aminoethyl)-1-methyl-N4-(3-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;

N6-(2-aminoethyl)-1-methyl-N4-[(4-phenylphenyl)methyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;

N6-(2-aminoethyl)-N4-[1-(3-chloro-4-methoxyphenyl)ethyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;

15 N6-(2-aminoethyl)-N4-[2-(6-methoxypyridin-3-yl)ethyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;

N6-(2-aminoethyl)-N4-[2-(3-chloro-4-methoxyphenyl)ethyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;

20 N6-(2-aminoethyl)-N4-[2-(2H-1,3-benzodioxol-5-yl)ethyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;

N6-(2-aminoethyl)-N4-[(1-benzofuran-5-yl)methyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;

N6-(2-aminoethyl)-N4-{3'-methoxy-[1,1'-biphenyl]-3-yl}-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;

25 N6-(2-aminoethyl)-N4-{[1-(benzenesulfonyl)piperidin-4-yl]methyl}-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;

N6-(2-aminoethyl)-N4-[(1H-1,3-benzodiazol-5-yl)methyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;

30 N6-(2-aminoethyl)-N4-{3'-methoxy-[1,1'-biphenyl]-4-yl}-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;

N6-(2-aminoethyl)-N4-{4'-methoxy-[1,1'-biphenyl]-3-yl}-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;

N6-(2-aminoethyl)-N4-{[1,1'-biphenyl]-3-yl}-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;

35 N6-(2-aminoethyl)-N4-[(3-chloro-4-fluorophenyl)methyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;

- N6-(2-aminoethyl)-N4-[(4-chloro-2-fluorophenyl)methyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-(2-aminoethyl)-N4-[(2,4-difluorophenyl)methyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 5 N6-(2-aminoethyl)-N4-[(3-chloro-5-methoxyphenyl)methyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-(2-aminoethyl)-N4-(3-chloro-4-methoxyphenyl)-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 10 N6-(2-aminoethyl)-N4-[(3-chloro-4-methylphenyl)methyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-(2-aminoethyl)-1-methyl-N4-[[3-(trifluoromethyl)phenyl]methyl]-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-(2-aminoethyl)-N4-[(2,4-dimethoxyphenyl)methyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 15 N6-(2-aminoethyl)-N4-[(3-chloro-4-methoxyphenyl)methyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-(2-amino-2-methylpropyl)-N4-[(3-chloro-4-methoxyphenyl)methyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-(2-amino-2-methylpropyl)-N4-[(4-methoxyphenyl)methyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 20 N6-(2-amino-2-methylpropyl)-N4-[[1,1'-biphenyl]-4-yl]methyl)-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-(2-aminoethyl)-N4-[(3-chloro-4-methoxyphenyl)methyl]-1,3-dimethyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 25 N6-(2-amino-2-methylpropyl)-N4-[(3-chloro-4-methoxyphenyl)methyl]-1,3-dimethyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-(2-amino-2-methylpropyl)-N4-[[1,1'-biphenyl]-4-yl]methyl)-1,3-dimethyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(1-aminocyclohexyl)methyl]-1-methyl-N4-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 30 N6-(2-amino-2-methylpropyl)-1,3-dimethyl-N4-[3-(trifluoromethyl)phenyl]-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-(2-aminocyclohexyl)-4-N-[(3-chloro-4-methylphenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 35 6-N-[(4-aminooxan-4-yl)methyl]-1-methyl-4-N-[6-(trifluoromethyl)pyridin-3-yl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;

- N6-[(3R,4S)-4-aminotetrahydrofuran-3-yl]-1-methyl-N4-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-(2-aminoethyl)-N4-[(4-methoxyphenyl)methyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 5 tert-butyl 4-[(6-[(2-aminoethyl)amino]-1-methyl-1H-pyrazolo[3,4-d]pyrimidin-4-yl)amino)methyl]piperidine-1-carboxylate;
- N6-(2-aminoethyl)-N4-[(1-benzylpiperidin-4-yl)methyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-(2-aminoethyl)-N4-[(1-benzoylpiperidin-4-yl)methyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 10 N6-(2-aminoethyl)-N4-[[1-(3-chloro-4-methoxybenzoyl)piperidin-4-yl]methyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-(2-Amino-2-methylpropyl)-1,3-dimethyl-4-N-[[3-(trifluoromethyl)phenyl]methyl]pyrazolo[3,4-b]pyridine-4,6-diamine;
- 15 6-N-[(1-Aminocyclopropyl)methyl]-4-N-[(3-chloro-4-methylphenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(1-Aminocyclopropyl)methyl]-4-N-[(3-chloro-4-fluorophenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(1-aminocyclopropyl)methyl]-N4-[3-fluoro-4-(trifluoromethyl)phenyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 20 6-N-[(1-aminocyclopropyl)methyl]-4-N-(3-chloro-4-methoxyphenyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(1-aminocyclopropyl)methyl]-4-N-(2,4-difluorophenyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 25 6-N-[(1-aminocyclopropyl)methyl]-1-methyl-4-N-[3-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(1-aminocyclopropyl)methyl]-4-N-[3-(difluoromethyl)phenyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(1-aminocyclopropyl)methyl]-4-N-(4-fluorophenyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 30 6-N-[(1-aminocyclopropyl)methyl]-4-N-(3-chloro-4-methylphenyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(1-aminocyclopropyl)methyl]-1-methyl-4-N-pyridin-3-ylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 35 6-N-[(1-aminocyclopropyl)methyl]-1-methyl-4-N-phenylpyrazolo[3,4-d]pyrimidine-4,6-diamine;

- 6-N-[(1-aminocyclopropyl)methyl]-4-N-[(3-bromophenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(1-aminocyclopropyl)methyl]-4-N-[(4-bromophenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 5 6-N-[(1-aminocyclopropyl)methyl]-4-N-(2-chloro-4-fluorophenyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(1-aminocyclopropyl)methyl]-4-N-(4-chloro-2-fluorophenyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(1-aminocyclopropyl)methyl]-4-N-(3-chloro-5-fluorophenyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 10 5-[[6-[(1-aminocyclopropyl)methylamino]-1-methyl-pyrazolo[3,4-d]pyrimidin-4-yl]amino]-2-chloro-benzonitrile;
- N6-[(1-aminocyclopropyl)methyl]-1-methyl-N4-(1-phenyl-3-bicyclo[1.1.1]pentanyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 15 6-N-[(1-aminocyclopropyl)methyl]-1-methyl-4-N-[[6-(trifluoromethyl)pyridin-3-yl]methyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(1-aminocyclopropyl)methyl]-4-N-(4-chloro-3,5-difluorophenyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(1-aminocyclopropyl)methyl]-4-N-[3-(difluoromethoxy)phenyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 20 6-N-[(1-aminocyclopropyl)methyl]-1-methyl-4-N-(4-propan-2-yloxyphenyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(1-aminocyclopropyl)methyl]-4-N-[(4-chloro-3-fluorophenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 25 6-N-[(1-aminocyclopropyl)methyl]-4-N-(2,3-difluorophenyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(1-aminocyclopropyl)methyl]-4-N-(2,5-difluorophenyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(1-aminocyclopropyl)methyl]-4-N-[(2,4-difluorophenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 30 6-N-[(1-aminocyclopropyl)methyl]-4-N-(3-chloro-4-fluorophenyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(1-aminocyclopropyl)methyl]-4-N-(4-chlorophenyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 35 6-N-[(1-aminocyclopropyl)methyl]-4-N-(3-fluorophenyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;

- 6-N-[(1-aminocyclopropyl)methyl]-1,3-dimethyl-4-N-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
4-[[6-[(1-aminocyclopropyl)methylamino]-1-methylpyrazolo[3,4-d]pyrimidin-4-yl]amino]benzonitrile;
- 5 6-N-[(1-aminocyclopropyl)methyl]-1-methyl-4-N-[4-(trifluoromethoxy)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
6-N-[(1-aminocyclopropyl)methyl]-4-N-(4-methoxyphenyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
6-N-[(1-aminocyclopropyl)methyl]-4-N-[4-(difluoromethoxy)phenyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 10 6-N-[(1-aminocyclopropyl)methyl]-4-N-(3-chlorophenyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
6-N-[(1-aminocyclopropyl)methyl]-4-N-[4-(difluoromethyl)phenyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 15 3-[[6-[(1-aminocyclopropyl)methylamino]-1-methylpyrazolo[3,4-d]pyrimidin-4-yl]amino]bicyclo[1.1.1]pentane-1-carbonitrile;
6-N-[(1-aminocyclopropyl)methyl]-4-N-(3-bicyclo[1.1.1]pentanyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
6-N-[(1-aminocyclopropyl)methyl]-4-N-(3,4-difluorophenyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 20 6-N-[(1-aminocyclopropyl)methyl]-4-N-(3,4-dichlorophenyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
6-N-[(1-aminocyclopropyl)methyl]-4-N-(4-chloro-3-methoxyphenyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 25 N6-[(1-aminocyclopropyl)methyl]-N4-[(2,4-dimethoxyphenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
N6-[(1-aminocyclopropyl)methyl]-N4-{3-fluorobicyclo[1.1.1]pentan-1-yl}-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
6-N-[(1-aminocyclopropyl)methyl]-1-methyl-4-N-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 30 6-N-[(1-aminocyclopropyl)methyl]-1-methyl-4-N-[6-(trifluoromethyl)pyridin-3-yl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
6-N-[(1-aminocyclopropyl)methyl]-4-N-(5-chloropyridin-2-yl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 35 N6-[(1-aminocyclopropyl)methyl]-1-methyl-N4-[5-(trifluoromethyl)pyrazin-2-yl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;

- 6-N-[(1-aminocyclopropyl)methyl]-1-ethyl-4-N-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(1-aminocyclopropyl)methyl]-1-(trideuteriomethyl)-N4-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 5 N6-[(1-aminocyclopropyl)methyl]-1-(trideuteriomethyl)-N4-[6-(trifluoromethyl)-3-pyridyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(1-aminocyclopropyl)methyl]-4-N-[[4-[2-(3-but-3-ynyldiazirin-3-yl)ethoxy]-3-chlorophenyl]methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine
- Compound 2.52: N6-[(1-Aminocyclopropyl)methyl]-1-methyl-N4-[4-
- 10 ;(trifluoromethyl)phenyl]pyrazolo[3,4-b]pyridine-4,6-diamine;
- 6-N-(2-aminopropyl)-4-N-[(3-chloro-4-methylphenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-(1-aminopropan-2-yl)-4-N-[(3-chloro-4-methylphenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 15 6-N-[(2S)-2-aminopropyl]-4-N-[(3-chloro-4-methylphenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(2R)-2-aminopropyl]-4-N-[(3-chloro-4-methylphenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(2S)-1-aminobutyl]-4-N-[(3-chloro-4-methylphenyl)methyl]-1-methylpyrazolo[3,4-
- 20 d]pyrimidine-4,6-diamine;
- 6-N-[(2S)-2-aminobutyl]-4-N-[(3-chloro-4-methylphenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(2R)-2-aminobutyl]-4-N-[(3-chloro-4-methylphenyl)methyl]-1-methylpyrazolo[3,4-
- 25 d]pyrimidine-4,6-diamine;
- N6-[(1-aminocyclobutyl)methyl]-1-methyl-N4-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(1-aminocyclobutyl)methyl]-N4-[4-(difluoromethoxy)phenyl]-1-methyl-
- pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-(2-amino-2-cyclohexyl-ethyl)-N4-tert-butyl-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-
- 30 diamine;
- N6-(2-amino-2-cyclohexyl-ethyl)-1-methyl-N4-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(1-amino-3,3-difluorocyclobutyl)methyl]-1-methyl-4-N-[4-
- (trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 35 6-N-(2-amino-2-cyclopropylethyl)-1-methyl-4-N-[4-
- (trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;

- 6-N-[(3-aminooxolan-3-yl)methyl]-1-methyl-4-N-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
N6-[(3-aminotetrahydrofuran-3-yl)methyl]-1-methyl-N4-[6-(trifluoromethyl)-3-pyridyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 5 1-methyl-N6-[(morpholin-3-yl)methyl]-N4-[4-(trifluoromethyl)phenyl]-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 4-N-[(3-chloro-4-methylphenyl)methyl]-1-methyl-6-N-[(2R)-pyrrolidin-2-yl]methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(1-aminocyclopentyl)methyl]-1-methyl-4-N-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 10 6-N-[(1-aminocyclopentyl)methyl]-1-methyl-4-N-[6-(trifluoromethyl)pyridin-3-yl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(1-aminocyclopentyl)methyl]-4-N-[4-(difluoromethoxy)phenyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 15 6-N-[(1-aminocyclopentyl)methyl]-1-methyl-4-N-phenylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 4-[[6-[(1-aminocyclopentyl)methylamino]-1-methylpyrazolo[3,4-d]pyrimidin-4-yl]amino]benzonitrile;
- 6-N-[(1-aminocyclopentyl)methyl]-1-methyl-4-N-[4-(trifluoromethoxy)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 20 N6-[(1-aminocyclobutyl)methyl]-1-(trideuteriomethyl)-N4-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-(2-aminocyclohexyl)-N4-[(3-chloro-4-methylphenyl)methyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 25 N6-(2-Amino-3-fluoropropyl)-N4-[(3-chloro-4-methylphenyl)methyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-(2-amino-3-fluoropropyl)-1-methyl-4-N-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-(2-amino-3-methoxypropyl)-4-N-[(3-chloro-4-methylphenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 30 6-N-[(3-Aminooxetan-3-yl)methyl]-1-methyl-4-N-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(3-Aminooxetan-3-yl)methyl]-1-methyl-4-N-phenylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 35 N6-(2-Amino-2-phenyl-propyl)-N4-*tert*-butyl-1-(trideuteriomethyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;

- 6-N-(2-Amino-2-phenylethyl)-1-ethyl-4-N-propan-2-ylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-(2-amino-2-phenylethyl)-4-N-[(3-chloro-4-methylphenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 5 6-N-(2-amino-2-phenylethyl)-4-N-[(2,4-difluorophenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-(2-amino-2-phenylethyl)-4-N-[(3-chloro-4-fluorophenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-(2-amino-2-phenylethyl)-4-N-[(3-bromophenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 10 6-N-(2-amino-2-phenylethyl)-4-N-[(4-bromophenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-(2-amino-2-phenylethyl)-1-methyl-4-N-[[6-(trifluoromethyl)pyridin-3-yl]methyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 15 N6-(2-amino-2-phenyl-ethyl)-N4-[(2,4-dimethoxyphenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-(2-amino-2-phenylethyl)-4-N-(4-fluorophenyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-(2-amino-2-phenyl-propyl)-1-methyl-N4-[2-(trifluoromethyl)pyrimidin-5-yl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 20 N6-(2-amino-2-phenyl-propyl)-1-methyl-N4-[4-(trifluoromethoxy)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-(2-amino-2-phenyl-propyl)-N4-(3,4-dichlorophenyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 25 6-N-(2-amino-2-phenylethyl)-4-N-[4-(difluoromethoxy)phenyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-(2-amino-2-phenylpropyl)-4-N-[4-(difluoromethoxy)phenyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-[4-(difluoromethoxy)phenyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 30 6-N-(2-amino-2-phenylethyl)-1-methyl-4-N-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-(2-amino-2-phenylethyl)-1,3-dimethyl-4-N-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 35 N6-(2-amino-2-phenyl-propyl)-1-methyl-N4-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;

- N6-(2-amino-2-phenyl-ethyl)-1-(trideuteriomethyl)-N4-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-(2-amino-2-phenyl-propyl)-1-(trideuteriomethyl)-N4-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 5 6-N-[(2R)-2-amino-2-phenylethyl]-1-methyl-4-N-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(2S)-2-amino-2-phenylethyl]-1-methyl-4-N-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 10 N6-[(2R)-2-amino-2-phenyl-ethyl]-1-(trideuteriomethyl)-N4-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-(2-amino-2-phenylethyl)-1-methyl-4-N-[6-(trifluoromethyl)pyridin-3-yl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-(2-amino-2-phenylpropyl)-1-methyl-4-N-[6-(trifluoromethyl)pyridin-3-yl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 15 N6-(2-amino-2-phenyl-propyl)-1-(trideuteriomethyl)-N4-[6-(trifluoromethyl)-3-pyridyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-(2-amino-2-phenyl-ethyl)-N4-[6-(difluoromethoxy)-3-pyridyl]-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-(2-amino-2-phenyl-propyl)-N4-[6-(difluoromethoxy)-3-pyridyl]-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 20 N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(4-chlorophenyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2S)-2-amino-2-phenyl-ethyl]-N4-(4-chlorophenyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 25 N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(4-methoxyphenyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(4-isopropoxyphenyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(3,4-difluorophenyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 30 N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-[4-(dimethylamino)phenyl]-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-(2-amino-2-phenylethyl)-4-N,1-dimethylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-(2-amino-2-phenylethyl)-1-methyl-4-N-(trideuteriomethyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 35 6-N-(2-amino-2-phenylethyl)-4-N-methyl-1-(trideuteriomethyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;

- 6-N-(2-amino-2-phenylpropyl)-4-N,1-dimethylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
6-N-[(2R)-2-amino-2-phenylethyl]-4-N,1-dimethylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
6-N-(2-amino-2-phenylethyl)-4-N-ethyl-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
5 6-N-(2-amino-2-phenylethyl)-4-N-ethyl-4-N,1-dimethylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
6-N-(2-amino-2-phenylethyl)-4-N-cyclopropyl-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
10 6-N-(2-amino-2-phenylethyl)-1-methyl-4-N-(2,2,2-trifluoroethyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-(2,2,2-trifluoroethyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
6-N-(2-amino-2-phenylethyl)-1-methyl-4-N-propan-2-ylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
15 6-N-[(2R)-2-amino-2-phenylethyl]-1-methyl-4-N-propan-2-ylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
N'-(1-methyl-4-pyrrolidin-1-ylpyrazolo[3,4-d]pyrimidin-6-yl)-1-phenylethane-1,2-diamine;
20 6-N-(2-amino-2-phenylethyl)-4-N-(2-methoxyethyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
6-N-(2-amino-2-phenylethyl)-4-N-tert-butyl-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
N6-(2-amino-2-phenyl-propyl)-N4-tert-butyl-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
25 N6-(2-amino-2-phenyl-ethyl)-N4-tert-butyl-1-(trideuteriomethyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
6-N-[(2R)-2-amino-2-phenylethyl]-4-N-tert-butyl-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
30 6-N-[(2S)-2-amino-2-phenylethyl]-4-N-tert-butyl-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-tert-butyl-1-(trideuteriomethyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
6-N-(2-amino-2-phenylethyl)-4-N-(cyclopropylmethyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
35 N6-(2-amino-2-phenyl-ethyl)-N4-(dicyclopropylmethyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;

- N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-[(2-methylcyclopropyl)methyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(1-cyclopropyl-1-methyl-ethyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
5 N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-(spiro[2.2]pentan-2-ylmethyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-[(2,2-difluorocyclopropyl)methyl]-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-[(2,2-dimethylcyclopropyl)methyl]-1-methyl-
10 pyrazolo[3,4-d]pyrimidine-4,6-diamine;
6-N-(2-amino-2-phenylethyl)-4-N-(2-bicyclo[1.1.1]pentanyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
3-[[6-[(2-amino-2-phenylethyl)amino]-1-methylpyrazolo[3,4-d]pyrimidin-4-yl]amino]bicyclo[1.1.1]pentane-1-carbonitrile;
15 N6-(2-amino-2-phenylethyl)-N4-{3-fluorobicyclo[1.1.1]pentan-1-yl}-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(3-bicyclo[1.1.1]pentanyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(3-fluoro-1-bicyclo[1.1.1]pentanyl)-1-methyl-
20 pyrazolo[3,4-d]pyrimidine-4,6-diamine;
6-N-(2-amino-2-phenylethyl)-4-N-(4,4-difluorocyclohexyl)-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-tetrahydropyran-4-yl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
25 3-[[6-[[[(2R)-2-amino-2-phenyl-ethyl]amino]-1-methyl-pyrazolo[3,4-d]pyrimidin-4-yl]amino]-3-methyl-butan-1-ol];
2-[[6-[[[(2R)-2-amino-2-phenyl-ethyl]amino]-1-methyl-pyrazolo[3,4-d]pyrimidin-4-yl]amino]-2-methyl-propan-1-ol];
N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(2,2-dimethylpropyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
30 N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(2,2-difluoroethyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(2,2-difluoropropyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
35 N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-(2,2,2-trifluoro-1,1-dimethyl-ethyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;

- N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-[(1S)-2,2,2-trifluoro-1-methyl-ethyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-(1-methylcyclopropyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 5 N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-[1-(trifluoromethyl)cyclopropyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(1-tert-butylcyclopropyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-spiro[2.2]pentan-2-yl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 10 [3-[[6-[(2-amino-2-phenyl-ethyl)amino]-1-methyl-pyrazolo[3,4-d]pyrimidin-4-yl]amino]-1-(chloromethyl)cyclobutyl]methanol;
- N6-(2-amino-2-phenyl-ethyl)-N4-(2,2-difluorospiro[3.3]heptan-6-yl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 15 N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-cyclobutyl-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-(1-methylcyclobutyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(3,3-difluorocyclobutyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 20 N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(3,3-difluoro-1-methyl-cyclobutyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-(3-methylcyclobutyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 25 N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(3-fluorocyclobutyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(3-fluorocyclobutyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(3-fluorocyclobutyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 30 3-[[6-[[[(2R)-2-amino-2-phenyl-ethyl]amino]-1-methyl-pyrazolo[3,4-d]pyrimidin-4-yl]amino]cyclobutanecarbonitrile;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(3-methoxycyclobutyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 35 N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(3,3-dichlorocyclobutyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;

- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(2,2-difluorospiro[3.3]heptan-6-yl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-(2-oxaspiro[3.3]heptan-6-yl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 5 N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(3,3-dimethylcyclobutyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(3-fluoro-3-methyl-cyclobutyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-[(1S)-2,2,2-trifluoro-1-methyl-ethyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 10 N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-spiro[3.3]heptan-2-yl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(2-methoxy-1,1-dimethyl-ethyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 15 N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(1,1-dimethylpropyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-[(1S)-1-cyclopropylethyl]-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-isobutyl-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 20 N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-(spiro[2.3]hexan-2-ylmethyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(cyclobutylmethyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 25 N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-[(2,2-difluorocyclobutyl)methyl]-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-[(1-fluorocyclobutyl)methyl]-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-[(3-fluorocyclobutyl)methyl]-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 30 N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-[3-(trifluoromethyl)cyclobutyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(2-fluoro-2-methyl-propyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 35 N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-(1-methylcyclohexyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;

- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-[(2-fluorocyclobutyl)methyl]-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-cyclopentyl-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 5 N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-(3,3,3-trifluoropropyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-[(2,2-dichlorocyclopropyl)methyl]-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-(1-methylcyclopentyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 10 N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-[(1R)-2-methoxy-1-methyl-ethyl]-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-(1-methyl-1-tetrahydropyran-4-yl-ethyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 15 1-methyl-N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-spiro[2.3]hexan-5-yl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(2,2-dimethylcyclopropyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenylethyl]-1-methyl-N4-[(2R)-3-methylbutan-2-yl]-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 20 N6-[(2R)-2-amino-2-phenylethyl]-1-methyl-N4-[(2S)-3-methylbutan-2-yl]-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-[(6-[(2R)-2-amino-2-phenylethyl]amino)-1-methyl-1H-pyrazolo[3,4-d]pyrimidin-4-yl)amino]spiro[3.3]heptan-2-ol;
- 25 N6-[(2R)-2-amino-2-phenylethyl]-1-methyl-N4-[4-(trifluoromethyl)cyclohexyl]-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenylethyl]-N4-[(1S)-3,3-difluorocyclopentyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenylethyl]-1-methyl-N4-(4-methyloxan-4-yl)-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 30 N6-[(2R)-2-amino-2-phenylethyl]-N4-tert-butyl-1,3-dimethyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenylethyl]-N4-[(1R)-1-cyclopropylethyl]-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 35 N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-tert-butyl-1-cyclopropyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;

- N2-[1-methyl-4-(2-methylpropyl)-1H-pyrazolo[3,4-d]pyrimidin-6-yl]-1-phenylethane-1,2-diamine;
- 6-N-[2-amino-2-(2-methoxyphenyl)ethyl]-4-N-[(3-chloro-4-methylphenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 5 6-N-(2-Amino-2-phenylethyl)-4-N-[(3-chloro-4-methylphenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-(2-amino-2-pyridin-2-ylethyl)-1-methyl-4-N-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 3-[1-Amino-2-[[1-methyl-4-(methylamino)pyrazolo[3,4-d]pyrimidin-6-yl]amino]ethyl]benzonitrile;
- 10 N6-[2-Amino-2-(3-ethynylphenyl)ethyl]-N4-*tert*-butyl-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[2-amino-2-(2-pyridyl)ethyl]-N4-*tert*-butyl-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 15 6-N-(2-amino-2-pyridin-3-ylethyl)-4-N-[(3-chloro-4-methylphenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[2-amino-2-(3-pyridyl)ethyl]-N4-*tert*-butyl-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 20 6-N-[2-amino-2-(2-chlorophenyl)ethyl]-1-methyl-4-N-[4-(trifluoromethyl)phenyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[2-amino-2-(2-chlorophenyl)ethyl]-N4-*tert*-butyl-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-(2-chlorophenyl)ethyl]-N4-*tert*-butyl-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 25 6-N-[2-amino-2-(2-fluorophenyl)ethyl]-4-N-[(3-chloro-4-methylphenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[2-amino-2-(2-fluorophenyl)ethyl]-N4-*tert*-butyl-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[2-amino-2-(2-fluorophenyl)ethyl]-N4-*tert*-butyl-1-(trideuteriomethyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 30 N6-[(2R)-2-amino-2-(3-bromophenyl)ethyl]-N4-*isopropyl*-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-(3-bromophenyl)ethyl]-1-methyl-N4-(2,2,2-trifluoro-1,1-dimethylethyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 35 6-N-[2-amino-2-(3-bromophenyl)ethyl]-4-N,1-dimethylpyrazolo[3,4-d]pyrimidine-4,6-diamine;

- N6-[2-amino-2-(3-bromophenyl)ethyl]-N4-tert-butyl-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
6-N-[2-amino-2-(4-bromophenyl)ethyl]-1-methyl-4-N-propan-2-ylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
5 N6-[2-amino-2-(2-bromophenyl)ethyl]-N4-tert-butyl-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
4-[1-amino-2-[[1-methyl-4-(methylamino)pyrazolo[3,4-d]pyrimidin-6-yl]amino]ethyl]benzonitrile;
3-[1-amino-2-[[4-(tert-butylamino)-1-methyl-pyrazolo[3,4-d]pyrimidin-6-yl]amino]ethyl]benzonitrile;
10 3-[(1R)-1-amino-2-[[1-methyl-4-[(2,2,2-trifluoro-1,1-dimethyl-ethyl)amino]pyrazolo[3,4-d]pyrimidin-6-yl]amino]ethyl]benzonitrile;
N6-[2-amino-2-(3-pyridyl)ethyl]-N4-tert-butyl-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
15 N6-[2-amino-2-(3-pyridyl)ethyl]-N4-(3,3-difluorocyclobutyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
N6-[2-amino-2-(4-pyridyl)ethyl]-N4-tert-butyl-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
N6-[2-amino-2-(4-pyridyl)ethyl]-N4-(3,3-difluorocyclobutyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
20 4-[(1R)-1-amino-2-[[4-(tert-butylamino)-1-methyl-1H-pyrazolo[3,4-d]pyrimidin-6-yl]amino]ethyl]benzonitrile;
N4-tert-butyl-1-methyl-N6-[(2R)-2-(methylamino)-2-phenylethyl]-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
25 N6-[2-amino-2-(4-fluorophenyl)ethyl]-N4-tert-butyl-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
N6-[2-amino-2-(3,4-difluorophenyl)ethyl]-N4-tert-butyl-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
N6-[2-amino-2-(3-cyclopropylphenyl)ethyl]-N4-tert-butyl-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
30 N6-[2-amino-2-(4-cyclopropylphenyl)ethyl]-N4-tert-butyl-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
N'-(4-Ethoxy-1-methylpyrazolo[3,4-d]pyrimidin-6-yl)-1-phenylethane-1,2-diamine;
N'-(1-methyl-4-propan-2-yloxy-pyrazolo[3,4-d]pyrimidin-6-yl)-1-phenylethane-1,2-diamine;
35 N'-(4-tert-butoxy-1-methyl-pyrazolo[3,4-d]pyrimidin-6-yl)-1-phenyl-ethane-1,2-diamine;

- 1-methyl-N6-[(3R)-morpholin-3-yl]methyl]-N4-[4-(trifluoromethyl)phenyl]-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(1S,2R)-2-aminocyclohexyl]-4-N-[(3-chloro-4-methylphenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 5 6-N-[(1R,2R)-2-aminocyclohexyl]-4-N-[(3-chloro-4-methylphenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-cyclopropyl-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-phenyl-ethyl]-N4-(4-fluorophenyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 10 N6-[(2S)-2-amino-2-phenyl-ethyl]-N4-(4-fluorophenyl)-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2S)-2-amino-2-phenyl-ethyl]-1-methyl-N4-(2,2,2-trifluoroethyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 15 N6-[(2R)-2-amino-2-phenyl-ethyl]-1-methyl-N4-[6-(trifluoromethyl)-3-pyridyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2S)-2-amino-2-phenyl-ethyl]-1-methyl-N4-[6-(trifluoromethyl)-3-pyridyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- rel-6-N-[(2S)-2-amino-2-phenylpropyl]-4-N,1-dimethylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 20 N6-[(2S)-2-amino-2-(2-fluorophenyl)ethyl]-N4-tert-butyl-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2R)-2-amino-2-(2-fluorophenyl)ethyl]-N4-tert-butyl-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 25 rel-N6-[(2R)-2-amino-2-phenyl-propyl]-1-methyl-N4-[6-(trifluoromethyl)-3-pyridyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 6-N-[(2R)-2-amino-3-fluoropropyl]-4-N-[(3-chloro-4-methylphenyl)methyl]-1-methylpyrazolo[3,4-d]pyrimidine-4,6-diamine;
- rel-N6-[(2S)-2-amino-2-phenyl-propyl]-1-methyl-N4-[6-(trifluoromethyl)-3-pyridyl]pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 30 N6-[(2R)-2-amino-2-(2-fluorophenyl)ethyl]-N4-tert-butyl-1-(trideuteriomethyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- N6-[(2S)-2-amino-2-(2-fluorophenyl)ethyl]-N4-tert-butyl-1-(trideuteriomethyl)pyrazolo[3,4-d]pyrimidine-4,6-diamine;
- 35 N6-[(2R)-2-amino-2-(4-fluorophenyl)ethyl]-N4-tert-butyl-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;

- N6-[(2R)-2-amino-2-(2-fluorophenyl)ethyl]-N4-tert-butyl-1-methyl-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
N6-[(2R)-2-amino-2-(3,4-difluorophenyl)ethyl]-N4-tert-butyl-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
5 N6-[(2S)-2-amino-2-(3,4-difluorophenyl)ethyl]-N4-tert-butyl-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine;
N6-[(2R)-2-amino-2-cyclohexylethyl]-N4-tert-butyl-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine; and
N6-[(2S)-2-amino-2-cyclohexylethyl]-N4-tert-butyl-1-methyl-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine.
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17. A pharmaceutical composition comprising a compound according to any one of claims 1 to 16, or a pharmaceutically acceptable salt thereof, and one or more pharmaceutically acceptable excipients.
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18. A compound according to any one of claims 1 to 16, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition according to claim 17, for use in therapy.
- 20 19. A compound according to any one of claims 1 to 16, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition according to claim 17, for use in the treatment of a proliferative condition.
- 25 20. A compound according to any one of claims 1 to 16, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition according to claim 17, for use in the treatment of cancer or inflammation.
- 30 21. A compound according to any one of claims 1 to 16, or a pharmaceutically acceptable salt there, or a pharmaceutical composition according to claim 17, for use in the treatment of breast cancer. A compound according to any one of claims 1 to 16, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition according to claim 17, for use in the inhibition and/or degradation of BCDIN3D activity.

22. Use of a compound according to any one of claims 1 to 16, or a pharmaceutically acceptable salt thereof, in the manufacture of a medicament for the treatment of a proliferative condition.
- 5 23. Use of a compound according to any one of claims 1 to 16, or a pharmaceutically acceptable salt thereof, in the manufacture of a medicament for the treatment of cancer or inflammation.
- 10 24. Use of a compound according to any one of claims 1 to 16, or a pharmaceutically acceptable salt thereof, in the manufacture of a medicament for the treatment of breast cancer.
- 15 25. Use of a compound according to any one of claims 1 to 16, or a pharmaceutically acceptable salt thereof, in the manufacture of a medicament for the inhibition and/or degradation of BCDIN3D activity.
- 20 26. A method of treating a proliferative disorder, said method comprising administering to a subject in need thereof a therapeutically effective amount of a compound according to any one of claims 1 to 16, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition according to claim 17.
- 25 27. A method of treating cancer or inflammation, said method comprising administering to a subject in need thereof a therapeutically effective amount of a compound according to any one of claims 1 to 16, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition according to claim 17.
- 30 28. A method of treating breast cancer, said method comprising administering to a subject in need thereof a therapeutically effective amount of a compound according to any one of claims 1 to 16, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition according to claim 17.
- 35 29. A method of inhibiting and/or degrading BCDIN3D activity *in vitro* or *in vivo*, said method comprising contacting a cell with an effective amount of a compound according to any one of claims 1 to 16, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition according to claim 17.

30. A method of inhibiting and/or degrading metastasis *in vitro* or *in vivo*, said method comprising contacting a cell with an effective amount of a compound according to any one of claims 1 to 16, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition according to claim 17.

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31. A combination comprising a compound according to any one of claims 1 to 16, or a pharmaceutically acceptable salt there, with one or more additional therapeutic agents.

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