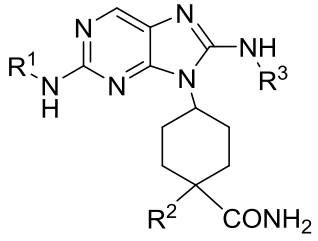
What is claimed is:

1. A compound of formula (I):



(I)

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

wherein:

R^1 is substituted or unsubstituted C_{1-8} alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted cycloalkylalkyl, or substituted or unsubstituted non-aromatic heterocyclyl;

R^2 is H or substituted or unsubstituted C_{1-3} alkyl;

R^3 is phenyl, substituted with one or more halogen, optionally further substituted with one or more substitutents independently selected from substituted or unsubstituted C_{1-3} alkyl, CN, and -OR', wherein each R' is independently substituted or unsubstituted C_{1-3} alkyl;

wherein when an alkyl group is substituted, it is substituted with a substituent selected from the group consisting of chloro; iodo; bromo; fluoro; alkyl; hydroxyl; alkoxy; alkoxyalkyl; amino; alkylamino; carboxy; nitro; cyano; thiol; thioether; imine; imide; amidine; guanidine; enamine; aminocarbonyl; acylamino; phosphonate; phosphine; thiocarbonyl; sulfinyl; sulfone; sulfonamide; acyl; ester; urea; urethane; oxime; hydroxyl amine; alkoxyamine; aryloxyamine, aralkoxyamine; N-oxide; hydrazine; hydrazide; hydrazone; azide; isocyanate; isothiocyanate; cyanate; thiocyanate; $B(OH)_2$; and O(alkyl)aminocarbonyl;

wherein when a group other than alkyl is substituted, it is substituted with a substituent selected from the group consisting of chloro; iodo; bromo; fluoro; alkyl; hydroxyl; alkoxy; alkoxyalkyl; amino; alkylamino; carboxy; nitro; cyano; thiol; thioether; imine; imide; amidine; guanidine; enamine; aminocarbonyl; acylamino; phosphonate; phosphine; thiocarbonyl; sulfinyl; sulfone; sulfonamide; acyl; ester; urea; urethane; oxime;

hydroxylamine; alkoxyamine; aryloxyamine; aralkoxyamine; N-oxide; hydrazine; hydrazide; hydrazone; azide; isocyanate; isothiocyanate; cyanate; thiocyanate; oxo; $B(OH)_2$, O(alkyl)aminocarbonyl; cycloalkyl, which may be monocyclic or fused or non-fused polycyclic, or a heterocyclyl, which may be monocyclic or fused or non-fused polycyclic; monocyclic or fused or non-fused polycyclic aryl or heteroaryl; aryloxy; aralkyloxy; heterocyclyloxy; and heterocyclylalkoxy; and

provided the compound is not

4-[2-[(1-methylethyl)amino]-8-[(2,4,6-trifluorophenyl)amino]-9*H*-purin-9-yl]-*cis*-cyclohexanecarboxamide, or

4-[8-[(2,4-difluorophenyl)amino]-2-[(*trans*-4-hydroxycyclohexyl)amino]-9*H*-purin-9-yl]-*cis*-cyclohexanecarboxamide.

2. The compound of claim 1, wherein R^1 is substituted or unsubstituted C_{1-8} alkyl.

3. The compound of claim 2, wherein R^1 is substituted or unsubstituted methyl, ethyl, n-propyl, isopropyl, n-butyl, sec-butyl, isobutyl, tert-butyl, n-pentyl, 2-methylpentyl, 3-methylpentyl, isopentyl, or neopentyl.

4. The compound of claim 2, wherein R^1 is substituted with one or more substituents independently selected from halogen and OR, wherein each R is independently H or substituted or unsubstituted C_{1-3} alkyl.

5. The compound of claim 2, wherein R^1 is substituted with one or more substituents independently selected from F, OH, and OCH_3.

6. The compound of claim 2, wherein R^1 is ethyl, isopropyl, isobutyl, tert-butyl, CH_2CH_2F, CH_2CHF_2, CH_2CF_3, $CH_2CH(CH_3)OH$, $CH_2CH(CH_3)OCH_3$, $CH(CH_3)CH_2OH$, $CH(CH_3)CH_2OCH_3$, $CH_2C(F_2)CH_2OH$, $CH_2C(F_2)CH_2OCH_3$, $CH(CF_3)CH_2OH$, $CH(CF_3)CH_2OCH_3$, $CH(CH_2OH)CH_2CH_3$, $CH(CH_2OCH_3)CH_2CH_3$, $CH_2C(CH_3)_2CH_2OH$, or $CH_2C(CH_3)_2CH_2OCH_3$.

7. The compound of claim 2, wherein R^1 is isopropyl, isobutyl, tert-butyl, CH_2CF_3, $CH_2CH(CH_3)OH$, $CH(CH_3)CH_2OH$, $CH(CH_3)CH_2OCH_3$, $CH_2C(F_2)CH_2OH$, $CH(CF_3)CH_2OH$, $CH(CH_2OH)CH_2CH_3$, or $CH_2C(CH_3)_2CH_2OH$.

8. The compound of claim 1, wherein R^1 is substituted or unsubstituted cycloalkyl.

9. The compound of claim 8, wherein R^1 is substituted or unsubstituted cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, or cycloheptyl.

10. The compound of claim 8, wherein R^1 is substituted with one or more substituents independently selected from halogen, OR, SO_2R', substituted or unsubstituted C_{1-3} alkyl, and substituted or unsubstituted heterocyclyl, wherein each R is independently H or substituted or unsubstituted C_{1-3} alkyl, and each R' is independently substituted or unsubstituted C_{1-3} alkyl.

11. The compound of claim 8, wherein R^1 is substituted with one or more substituents independently selected from F, OH, OCH_3, SO_2CH_3, methyl, and a substituted or unsubstituted 5-membered heterocyclyl.

12. The compound of claim 11, wherein the 5-membered heterocylyl is pyrroldinedionyl, or oxadiazolyl.

13. The compound of claim 8, wherein R^1 is cyclobutyl, cyclopentyl, cyclohexyl, or cycloheptyl, optionally substituted with one or more substituents independently selected from F, OH, OCH_3, SO_2CH_3, methyl, pyrrolidinedionyl, and oxadiazolyl.

14. The compound of claim 1, wherein R^1 is substituted or unsubstituted cycloalkylalkyl.

15. The compound of claim 14, wherein R^1 is substituted or unsubstituted (C_{1-3} alkyl)-(C_{1-8} cycloalkyl).

16. The compound of claim 14, wherein R^1 is substituted or unsubstituted CH_2-cyclopropyl, CH_2-cyclobutyl, CH_2-cyclopentyl, CH_2-cyclohexyl, or CH_2-cycloheptyl.

17. The compound of claim 14, wherein R^1 is substituted with one or more substituents independently selected from (C_{1-3} alkyl)OR or OR, wherein each R is independently H or substituted or unsubstituted C_{1-3} alkyl.

18. The compound of claim 14, wherein R^1 is CH_2-cyclopropyl, CH_2-cyclobutyl, CH_2-cyclopentyl, or CH_2-cyclohexyl, optionally substituted with one or more CH_2OH or OH.

19. The compound of claim 1, wherein R^1 is substituted or unsubstituted non-aromatic heterocyclyl.

20. The compound of claim 19 wherein R^1 is substituted or unsubstituted oxetanyl, tetrahydrofuranyl, tetrahydropyranyl, tetrahydro-thiopyrandioxide, piperidyl, oxepanyl, or oxaspiroheptyl.

21. The compound of claim 19 wherein R^1 is substituted with one or more substituents independently selected from halogen, OR, SO_2R^4, $C(=O)R^5$, $C(=O)OR^6$, $C(=O)NRR^7$, substituted or unsubstituted C_{1-3} alkyl, substituted or unsubstituted aryl, substituted or unsubstituted heteroaryl, substituted or unsubstituted or alkylaryl, wherein each R is independently H or substituted or unsubstituted C_{1-3} alkyl; R^4 is substituted or unsubstituted C_{1-3} alkyl, or substituted or unsubstituted aryl; R^5 is substituted or unsubstituted C_{1-3} alkyl; R^6 is substituted or unsubstituted C_{1-6} alkyl; and R^7 is substituted or unsubstituted C_{1-3} alkyl, or substituted or unsubstituted aryl.

22. The compound of claim 19 wherein R^1 is oxetanyl, tetrahydrofuranyl, tetrahydropyranyl, tetrahydro-thiopyrandioxide, piperidyl, oxepanyl, or oxaspiroheptyl, optionally substituted with one or more substituents independently selected from F, OH, SO_2CH_3, SO_2-tosyl, $C(=O)CH_3$, $C(=O)OCH_3$, C(=O)O-tert-butyl, C(=O)O-isopropyl, $C(=O)NHCH_3$, C(=O)NH-phenyl, methyl, ethyl, isopropyl, CH_2OH, phenyl, pyridyl, or benzyl.

23. The compound of claim 1, wherein R^2 is H.

24. The compound of claim 1, wherein R^2 is CH_3.

25. The compound of claim 1, wherein R^3 is ortho-halogen substituted phenyl.

26. The compound of claim 1, wherein R^3 is para-halogen substituted phenyl.

27. The compound of claim 1, wherein R^3 is para-CN substituted phenyl.

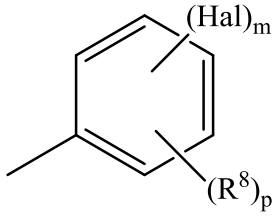
28. The compound of claim 1, wherein R^3 is ortho, ortho-dihalogen substituted phenyl.

29. The compound of claim 1, wherein R^3 is ortho, para-dihalogen substituted phenyl.

30. The compound of claim 1, wherein R^3 is 2,4,6-trihalogen substituted phenyl.

31. The compound of claim 1, wherein R^3 is ortho-halogen, para-CN substituted phenyl.

32. The compound of claim 1, wherein R^3 is



wherein

each Hal is independently halogen;

each R^8 is independently substituted or unsubstituted C_{1-3} alkyl, CN, or OR';

each R' is independently substituted or unsubstituted C_{1-3} alkyl;

m is 1-3;

and p is 0-2.

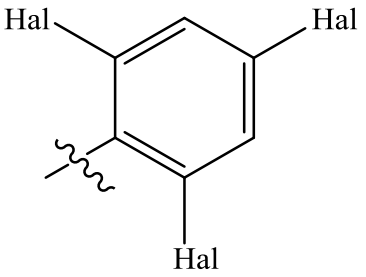
33. The compound of claim 32, wherein each Hal is independently Cl or F.

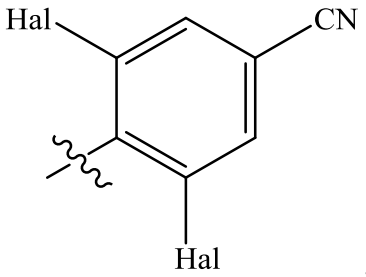
34. The compound of claim 32, wherein each R^8 is independently CH_3, CF_3, CN, or OCH_3.

35. The compound of claim 32, wherein m is 2 or 3.

36. The compound of claim 32, wherein p is 0 or 1.

37. The compound of claim 32, wherein R^3 is



or


,

and each Hal is independently halogen.

38. The compound of claim 37, wherein each Hal is independently F or Cl.

39. A compound, wherein the compound is

(1s,4s)-4-(8-(3-chlorophenylamino)-2-(isopropylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1s,4s)-4-(8-(3-chlorophenylamino)-2-(cyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1s,4s)-4-(2-(cyclopentylamino)-8-(2,4-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1s,4s)-4-(8-(3-chlorophenylamino)-2-(4-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1s,4s)-4-(8-(2,4-difluorophenylamino)-2-(3-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1s,4s)-4-(8-(2,4-difluorophenylamino)-2-(1-methylcyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1s,4s)-4-(2-(tert-butylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-difluorophenylamino)-2-((3R,4R)-3-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(4-methyltetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(3-chloro-2-fluorophenylamino)-2-(4-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(tetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-fluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((3R,4R)-3-methyltetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-difluorophenylamino)-2-((3R,4R)-3-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-6-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichlorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(3-chlorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(3,4-dichlorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(5-chloro-2-fluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1s,4s)-4-(8-(3-chloro-2-fluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,5-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(3-chloro-2-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(tetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,3-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichlorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-5-fluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4-fluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(3-fluoro-2-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-bromo-2-fluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-fluoro-4-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4-(trifluoromethyl)phenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-6-fluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1s,4s)-4-(8-(4-fluoro-2-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(tetrahydro-2H-pyran-4-ylamino)-8-(2,3,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-1-methyl-4-(2-(tetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclobutylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclobutylamino)-8-(2,6-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-6-fluorophenylamino)-2-(cyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclopentylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclopentylamino)-8-(2,6-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-6-fluorophenylamino)-2-(cyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-difluorophenylamino)-2-(isopropylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-6-fluorophenylamino)-2-(isopropylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclobutylamino)-8-(2,6-dichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1s,4s)-4-(8-(2,6-dichlorophenylamino)-2-(isopropylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclopentylamino)-8-(2,6-dichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(oxetan-3-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichlorophenylamino)-2-(oxetan-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-6-fluorophenylamino)-2-(oxetan-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(tetrahydro-2H-pyran-4-ylamino)-8-(2,4,5-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(isopropylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2-fluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-3-fluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,3-dichlorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-fluoro-6-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(5-chloro-2,4-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(tetrahydro-2H-pyran-4-ylamino)-8-(2,4,5-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(tetrahydro-2H-pyran-4-ylamino)-8-(2,3,4-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1s,4s)-4-(8-(3-chloro-2,6-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclopentylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-3-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,5-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2-fluoro-5-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,3-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(tetrahydro-2H-pyran-4-ylamino)-8-(2,3,4-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4-fluoro-6-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2-fluoro-6-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-tetrahydrofuran-3-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-((1r,4r)-4-methoxycyclohexylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-((1r,4r)-4-hydroxycyclohexylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(3-chloro-6-fluoro-2-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,5-dichloro-4-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,3-dichloro-4-fluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1s,4s)-4-(8-(2,4-dichloro-3-fluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,3-difluoro-4-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-3-fluoro-4-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,3-dichloro-4-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-difluoro-6-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((S)-tetrahydrofuran-3-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(4,4-difluorocyclohexylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-3-fluoro-2-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-3,6-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-6-fluoro-3-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-((1,1-dioxidotetrahydro-2H-thiopyran-4-yl)amino)-8-((2,4,6-trichlorophenyl)amino)-9H-purin-9-yl)cyclohexane-1-carboxamide;
(1s,4s)-4-(8-(2-chlorophenylamino)-2-(cyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclopentylamino)-8-(2,4-dichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2-fluorophenylamino)-2-(cyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichlorophenylamino)-2-(isopropylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1s,4s)-4-(8-(2-chloro-4-fluorophenylamino)-2-(isopropylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(isopropylamino)-8-(2,3,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-(isopropylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4,5-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4,5-dimethylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2-fluoro-3-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichloro-6-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,3-dichloro-6-fluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichloro-5-fluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,5-difluoro-4-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-6-fluorophenylamino)-2-(1-(pyridin-3-yl)piperidin-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-6-fluorophenylamino)-2-(1-phenylpiperidin-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4,6-trichlorophenylamino)-2-(2,2,2-trifluoroethylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclobutylmethylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-tetrahydro-2H-pyran-3-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1s,4s)-4-(8-(3,4-dichloro-2-fluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(6-chloro-2,3-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-6-fluorophenylamino)-2-(1-(methylsulfonyl)piperidin-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-difluoro-4-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-methylphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-(cyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclobutylamino)-8-(2,6-dichloro-4-fluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-(cyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-(cyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclopentylamino)-8-(2,6-dichloro-4-fluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclopentylamino)-8-(2,4-dichloro-6-fluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-(isopropylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-(isopropylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-(isopropylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((R)-1-hydroxybutan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(3R,4S)-tert-butyl 4-(9-((1s,4R)-4-carbamoylcyclohexyl)-8-(2,4,6-trifluorophenylamino)-9H-purin-2-ylamino)-3-fluoropiperidine-1-carboxylate;
(3R,4S)-tert-butyl 4-(9-((1s,4R)-4-carbamoylcyclohexyl)-8-(2,6-difluorophenylamino)-9H-purin-2-ylamino)-3-fluoropiperidine-1-carboxylate;
(1s,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-(cyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclobutylamino)-8-(2,4-dichloro-6-fluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((R)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((R)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((R)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((R)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-hydroxybutan-2-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((3R,4S)-3-fluoropiperidin-4-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclopentylamino)-8-(2,3-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(3-chloro-2-fluorophenylamino)-2-(cyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclopentylamino)-8-(2,3,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1R,4s)-4-(2-((S)-1-methoxypropan-2-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((S)-1-hydroxybutan-2-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-6-fluorophenylamino)-2-((S)-1-hydroxybutan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((S)-1-hydroxybutan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((S)-1-hydroxybutan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((S)-1-hydroxybutan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((S)-1-hydroxybutan-2-ylamino)-8-(2,3,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,4-dichlorophenylamino)-2-((S)-1-hydroxybutan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(3-chloro-2-fluorophenylamino)-2-((S)-1-hydroxybutan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((S)-1-hydroxybutan-2-ylamino)-8-(2,3,4-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-2-hydroxypropylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichlorophenylamino)-2-((S)-1-hydroxybutan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((S)-1-hydroxybutan-2-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(3R,4S)-tert-butyl 4-(9-((1s,4R)-4-carbamoylcyclohexyl)-8-(4-chloro-2,6-difluorophenylamino)-9H-purin-2-ylamino)-3-fluoropiperidine-1-carboxylate;
(1s,4s)-4-(8-((4-chloro-2,6-difluorophenyl)amino)-2-((1,1-dioxidotetrahydro-2H-thiopyran-4-yl)amino)-9H-purin-9-yl)cyclohexane-1-carboxamide;

(1s,4s)-4-(8-((2,4-dichloro-6-fluorophenyl)amino)-2-((1,1-dioxidotetrahydro-2H-thiopyran-4-yl)amino)-9H-purin-9-yl)cyclohexane-1-carboxamide;
(R)-tert-butyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,4,6-trifluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-tert-butyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,6-difluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-tert-butyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,6-dichlorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-tert-butyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2-chloro-4,6-difluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-tert-butyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(4-chloro-2,6-difluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-tert-butyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,4,6-trichlorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(1R,4s)-4-(2-((S)-1-hydroxypropan-2-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((S)-1-hydroxypropan-2-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-difluorophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichlorophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,4-dichlorophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(5-chloro-2-fluorophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1R,4s)-4-(8-(3-chloro-2-fluorophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(2-oxaspiro[3.3]heptan-6-ylamino)-8-(2,6-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(2-oxaspiro[3.3]heptan-6-ylamino)-8-(2,6-dichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(2-oxaspiro[3.3]heptan-6-ylamino)-8-(2-chloro-4,6-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(2-oxaspiro[3.3]heptan-6-ylamino)-8-(4-chloro-2,6-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(2-oxaspiro[3.3]heptan-6-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(4-hydroxytetrahydrofuran-3-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-(4-hydroxytetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichlorophenylamino)-2-(4-hydroxytetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(4-hydroxytetrahydrofuran-3-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-(4-hydroxytetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-(4-hydroxytetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-(4-hydroxytetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((R)-tetrahydro-2H-pyran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((R)-tetrahydro-2H-pyran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((R)-tetrahydro-2H-pyran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((R)-tetrahydro-2H-pyran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichlorophenylamino)-2-(4-hydroxytetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(3-chloro-2-fluorophenylamino)-2-(4-hydroxytetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(2-oxaspiro[3.3]heptan-6-ylamino)-8-(2,6-dichloro-4-fluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(2-oxaspiro[3.3]heptan-6-ylamino)-8-(4-chloro-2,3-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(2-oxaspiro[3.3]heptan-6-ylamino)-8-(2,4-dichloro-6-fluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(2-oxaspiro[3.3]heptan-6-ylamino)-8-(3-chloro-2,6-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(1-acetylpiperidin-4-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(1-acetylpiperidin-4-ylamino)-8-(2,4-dichloro-6-fluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((R)-tetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1R,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((S)-tetrahydro-2H-pyran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((S)-tetrahydro-2H-pyran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((S)-tetrahydro-2H-pyran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-((1-(hydroxymethyl)cyclopropyl)methylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1-(hydroxymethyl)cyclopropyl)methylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3R)-3-hydroxycyclopentylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-6-fluorophenylamino)-2-((1R,3R)-3-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-difluorophenylamino)-2-((1R,3R)-3-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((1R,3R)-3-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichlorophenylamino)-2-((1R,3R)-3-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3R)-3-hydroxycyclopentylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1R,3R)-3-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((1R,3R)-3-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1R,3R)-3-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,3-difluorophenylamino)-2-((1R,3R)-3-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1S,4s)-4-(8-(3-chloro-2,6-difluorophenylamino)-2-((1R,3R)-3-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3R)-3-hydroxycyclopentylamino)-8-(2,3,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichlorophenylamino)-2-((1R,3R)-3-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3R)-3-hydroxycyclopentylamino)-8-(2,3,4-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((R)-tetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((R)-tetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((R)-tetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(3,3-difluorocyclobutylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-6-fluorophenylamino)-2-(3,3-difluorocyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(3,3-difluorocyclobutylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(3,3-difluorocyclobutylamino)-8-(2,6-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-(3,3-difluorocyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-(3,3-difluorocyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-(3,3-difluorocyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-(3,3-difluorocyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1s,4s)-4-(8-(4-chloro-2,3-difluorophenylamino)-2-(3,3-difluorocyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(3,3-difluorocyclobutylamino)-8-(2,3,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(3-chloro-2,6-difluorophenylamino)-2-(3,3-difluorocyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-6-fluorophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichlorophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(3-chloro-2-fluorophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,5-difluorophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(4,4-difluorocyclohexylamino)-8-(2,3,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichlorophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((S)-tetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((S)-tetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((S)-tetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((S)-tetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((S)-tetrahydro-2H-pyran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((3R,4S)-3-fluorotetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1R,4s)-4-(8-(2,6-difluorophenylamino)-2-((3R,4S)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4-cyanophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,2R)-2-hydroxycyclopentylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-6-fluorophenylamino)-2-((1R,2R)-2-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-difluorophenylamino)-2-((1R,2R)-2-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((1R,2R)-2-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichlorophenylamino)-2-((1R,2R)-2-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,2R)-2-hydroxycyclopentylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1R,2R)-2-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((1R,2R)-2-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1R,2R)-2-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,3-difluorophenylamino)-2-((1R,2R)-2-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(3-chloro-2,6-difluorophenylamino)-2-((1R,2R)-2-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,2R)-2-hydroxycyclopentylamino)-8-(2,3,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichlorophenylamino)-2-((1R,2R)-2-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1S,4s)-4-(8-(5-chloro-2-fluorophenylamino)-2-((1R,2R)-2-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(3-chloro-2-fluorophenylamino)-2-((1R,2R)-2-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,2R)-2-hydroxycyclopentylamino)-8-(2,3,4-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,5-difluorophenylamino)-2-((1R,2R)-2-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((1S,2S)-2-hydroxycyclopentylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-difluorophenylamino)-2-((1S,2S)-2-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichlorophenylamino)-2-((1S,2S)-2-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1S,2S)-2-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((1S,2S)-2-hydroxycyclopentylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1S,2S)-2-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((1S,2S)-2-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(3-chloro-2,6-difluorophenylamino)-2-((1S,2S)-2-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((3S,4R)-3-fluorotetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-difluorophenylamino)-2-((3S,4R)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((3S,4R)-3-fluorotetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1R,4s)-4-(2-((3R,4S)-3-fluorotetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-((1r,3r)-3-hydroxycyclobutylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichlorophenylamino)-2-((1r,3r)-3-hydroxycyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-6-fluorophenylamino)-2-((1r,3r)-3-hydroxycyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((1r,3r)-3-hydroxycyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1r,3r)-3-hydroxycyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((1r,3r)-3-hydroxycyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,3-difluorophenylamino)-2-((1r,3r)-3-hydroxycyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(3-chloro-2,6-difluorophenylamino)-2-((1r,3r)-3-hydroxycyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(3-chloro-2,5-difluorophenylamino)-2-((1r,3r)-3-hydroxycyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(4,4-difluorocyclohexylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(4,4-difluorocyclohexylamino)-8-(2,6-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,3-difluorophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(3-chloro-2,6-difluorophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1s,4s)-4-(2-(1-(methylsulfonyl)piperidin-4-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichlorophenylamino)-2-(1-(methylsulfonyl)piperidin-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-(1-(methylsulfonyl)piperidin-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-(1-(methylsulfonyl)piperidin-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-(1-(methylsulfonyl)piperidin-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-(1-(methylsulfonyl)piperidin-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,3-difluorophenylamino)-2-(1-(methylsulfonyl)piperidin-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichlorophenylamino)-2-(1-(methylsulfonyl)piperidin-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-((1r,3r)-3-hydroxycyclobutylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1r,3r)-3-hydroxycyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((3R,4R)-3-fluorotetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((3S,4S)-3-fluorotetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-difluorophenylamino)-2-((3R,4R)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-difluorophenylamino)-2-((3S,4S)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((3S,4S)-3-fluorotetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1S,4s)-4-(2-((3R,4R)-3-fluorotetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-cyano-2,6-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,3-difluorophenylamino)-2-((1s,3s)-3-hydroxycyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((3S,4R)-4-hydroxytetrahydrofuran-3-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((3S,4R)-4-hydroxytetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((3S,4R)-4-hydroxytetrahydrofuran-3-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((3R,4S)-4-hydroxytetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((3R,4S)-4-hydroxytetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((3R,4S)-4-hydroxytetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,3-difluorophenylamino)-2-((3S,4R)-4-hydroxytetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(3-chloro-2,6-difluorophenylamino)-2-((3S,4R)-4-hydroxytetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,4-dichlorophenylamino)-2-((3S,4R)-4-hydroxytetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(5-chloro-2-fluorophenylamino)-2-((3S,4R)-4-hydroxytetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,5-difluorophenylamino)-2-((3R,4S)-4-hydroxytetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1s,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1s,3s)-3-hydroxycyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-((1s,3s)-3-hydroxycyclobutylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1s,3s)-3-hydroxycyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-6-fluorophenylamino)-2-((1S,3S)-3-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-difluorophenylamino)-2-((1S,3S)-3-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichlorophenylamino)-2-((1S,3S)-3-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1R,3S)-3-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1S,3S)-3-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((1S,3S)-3-hydroxycyclopentylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((1S,3S)-3-hydroxycyclopentylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3S)-3-hydroxycyclopentylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3S)-3-hydroxycyclopentylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-(sec-butylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-(sec-butylamino)-8-(2,6-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-(sec-butylamino)-8-(2,6-dichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1R,4s)-4-(2-(sec-butylamino)-8-(2-chloro-6-fluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-(sec-butylamino)-8-(2-chloro-4,6-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-(sec-butylamino)-8-(2,4-dichloro-6-fluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-(sec-butylamino)-8-(3-chloro-2,6-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3R,4R)-3-hydroxy-4-methylcyclohexylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-6-fluorophenylamino)-2-((1R,3R,4R)-3-hydroxy-4-methylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-difluorophenylamino)-2-((1R,3R,4R)-3-hydroxy-4-methylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((1R,3R,4R)-3-hydroxy-4-methylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichlorophenylamino)-2-((1R,3R,4R)-3-hydroxy-4-methylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1R,3R,4R)-3-hydroxy-4-methylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3S)-3-hydroxycyclohexylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-difluorophenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichlorophenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-6-fluorophenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3S)-3-hydroxycyclohexylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((1R,3R,4R)-3-hydroxy-4-methylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1R,3R,4R)-3-hydroxy-4-methylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,3-difluorophenylamino)-2-((1R,3R,4R)-3-hydroxy-4-methylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(3-chloro-2,6-difluorophenylamino)-2-((1R,3R,4R)-3-hydroxy-4-methylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3R,4R)-3-hydroxy-4-methylcyclohexylamino)-8-(2,3,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,3-difluorophenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(3-chloro-2,6-difluorophenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,5-difluorophenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3S)-3-hydroxycyclohexylamino)-8-(2,3,4-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-(trifluoromethoxy)phenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1s,4s)-4-(2-(cyclopentylamino)-8-(2,6-dichloro-4-cyanophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-cyano-2,6-difluorophenylamino)-2-(cyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-(cyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichlorophenylamino)-2-((1S,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((1S,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1S,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((1S,3R)-3-hydroxycyclohexylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((1S,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,3-difluorophenylamino)-2-((1S,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1S,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(3-chloro-2,6-difluorophenylamino)-2-((1S,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-cyano-2,3-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,3-difluoro-4-methoxyphenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3R)-3-hydroxy-4,4-dimethylcyclohexylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1S,4s)-4-(8-(2,6-difluorophenylamino)-2-((1R,3R)-3-hydroxy-4,4-dimethylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichlorophenylamino)-2-((1R,3R)-3-hydroxy-4,4-dimethylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-6-fluorophenylamino)-2-((1R,3R)-3-hydroxy-4,4-dimethylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((1R,3R)-3-hydroxy-4,4-dimethylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1R,3R)-3-hydroxy-4,4-dimethylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3R)-3-hydroxy-4,4-dimethylcyclohexylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((1R,3R)-3-hydroxy-4,4-dimethylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1R,3R)-3-hydroxy-4,4-dimethylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(3-chloro-2,6-difluorophenylamino)-2-((1R,3R)-3-hydroxy-4,4-dimethylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichlorophenylamino)-2-((1R,3R,4R)-3-hydroxy-4-methylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclobutylamino)-8-(2,6-dichloro-4-cyanophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-(cyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-cyano-2,6-difluorophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-cyano-2,6-difluorophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1s,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-6-fluoro-4-(trifluoromethyl)phenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-(3,3-difluorocyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-(3,3-difluorocyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-cyano-2,6-difluorophenylamino)-2-(3,3-difluorocyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-cyano-2,6-difluorophenylamino)-2-((S)-1-hydroxybutan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(R)-methyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,4,6-trifluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-methyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,6-difluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-methyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,6-dichlorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-methyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2-chloro-6-fluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-methyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2-chloro-4,6-difluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-methyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(4-chloro-2,6-difluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-methyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,4,6-trichlorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-methyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,6-dichloro-4-fluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-methyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(4-chloro-2,3-difluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;

(R)-methyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,4-dichloro-6-fluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-methyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(3-chloro-2,6-difluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-methyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,3,4-trifluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(1S,4s)-4-(2-((1R,3R)-3-hydroxycyclohexylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-6-fluorophenylamino)-2-((1R,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichlorophenylamino)-2-((1R,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3R)-3-hydroxycyclohexylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-difluorophenylamino)-2-((1R,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((1R,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1R,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1R,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((1R,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichlorophenylamino)-2-((1R,3S)-3-hydroxy-3-methylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((1R,3S)-3-hydroxy-3-methylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1R,3S)-3-hydroxy-3-methylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1R,3S)-3-hydroxy-3-methylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((1R,3S)-3-hydroxy-3-methylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4-fluorophenylamino)-2-((1R,3S)-3-hydroxy-3-methylcyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-(isopropylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-(isopropylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((S)-1-hydroxybutan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((S)-1-hydroxybutan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3S)-3-hydroxycycloheptylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichlorophenylamino)-2-((1R,3S)-3-hydroxycycloheptylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-6-fluorophenylamino)-2-((1R,3S)-3-hydroxycycloheptylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((1R,3S)-3-hydroxycycloheptylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1R,3S)-3-hydroxycycloheptylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3S)-3-hydroxycycloheptylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,3-difluorophenylamino)-2-((1R,3S)-3-hydroxycycloheptylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-cyano-2,6-difluorophenylamino)-2-(isopropylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1s,4s)-4-(8-(2,6-dichloro-4-(trifluoromethyl)phenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-3-cyanophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((1S,3R)-3-hydroxycycloheptylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((2S,4R)-2-(hydroxymethyl)tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((2S,4R)-2-(hydroxymethyl)tetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(3-cyano-2,6-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((1S,3S)-3-hydroxycycloheptylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((1S,3S)-3-hydroxycycloheptylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(2,2-difluoro-3-hydroxypropylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-(2,2-difluoro-3-hydroxypropylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-(2,2-difluoro-3-hydroxypropylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-(2,2-difluoro-3-hydroxypropylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-(trifluoromethyl)phenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1S,4s)-4-(8-(4-cyano-2,6-difluorophenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((1S,3S)-3-hydroxycyclohexylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((1S,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1S,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((1S,3S)-3-hydroxycyclohexylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((1S,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,3-difluorophenylamino)-2-((1S,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1S,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,5-difluorophenylamino)-2-((1S,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((1R,2R)-2-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1R,2R)-2-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,2R)-2-hydroxycyclohexylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((1R,2R)-2-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1R,2R)-2-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((R)-1,1,1-trifluoro-3-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1S,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((R)-1,1,1-trifluoro-3-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1r,4r)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1r,4r)-1-methyl-4-(2-(tetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1r,4r)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1r,4r)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1r,4r)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1r,4r)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1r,4r)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4r)-4-(8-(2,6-dichloro-4-(trifluoromethyl)phenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4r)-4-(2-((S)-1-hydroxypropan-2-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-(3-hydroxy-2,2-dimethylpropylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,2S)-2-hydroxycyclohexylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4r)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1r,4r)-4-(2-(cyclopentylamino)-8-(2,6-dichloro-4-cyanophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1r,4r)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-(cyclopentylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;

(1r,4r)-4-(8-(4-cyano-2,6-difluorophenylamino)-2-(cyclopentylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1r,4r)-4-(2-(cyclopentylamino)-8-(2,6-dichloro-4-(trifluoromethyl)phenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1r,4r)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-(cyclopentylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1r,4r)-4-(2-(cyclopentylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1r,4r)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-(cyclopentylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1r,4r)-4-(2-(cyclopentylamino)-8-(2,4-dichloro-6-fluorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1r,4r)-4-(2-(cyclopentylamino)-8-(2,6-dichloro-4-fluorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1r,4r)-4-(2-(cyclopentylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((3S,4R)-3-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((3R,4S)-3-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((3R,4R)-3-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((3S,4S)-3-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((3S,4R)-3-methyltetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((3R,4S)-3-methyltetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((3R,4R)-3-methyltetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1R,4s)-4-(2-((3S,4S)-3-methyltetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((3S,4R)-3-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((3R,4S)-3-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((3R,4R)-3-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((3S,4S)-3-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((3R,4S)-3-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((3R,4R)-3-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((3S,4S)-3-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((3R,4S)-3-methyltetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((3S,4S)-3-methyltetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((1S,2R)-2-hydroxycyclohexylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1S,2R)-2-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((1S,2R)-2-hydroxycyclohexylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1S,2R)-2-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((1S,2R)-2-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1R,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((1S,2R)-2-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((R)-tetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((1S,2R)-2-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((R)-tetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-1-methyl-4-(2-(tetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-(trifluoromethyl)phenylamino)-2-((R)-tetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-cyano-2,6-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(4-cyano-2,6-difluorophenylamino)-2-((R)-tetrahydrofuran-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-tetrahydrofuran-3-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(1-morpholinopropan-2-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((3S,4R)-3-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((3S,4R)-3-methyltetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(2-(oxepan-4-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-(oxepan-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-(oxepan-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(oxepan-4-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-(oxepan-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-(oxepan-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-cyano-2,6-difluorophenylamino)-2-(oxepan-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-(oxepan-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-(trifluoromethyl)phenylamino)-2-(oxepan-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-3,3-difluorocyclopentylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((S)-1-hydroxypropan-2-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;

(1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(2-((S)-1-hydroxypropan-2-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-(trifluoromethyl)phenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-(oxepan-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclopentylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclopentylamino)-8-(2,4-dichloro-6-fluorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-(cyclopentylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-(cyclopentylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclopentylamino)-8-(2,6-dichloro-4-fluorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclopentylamino)-8-(2,6-dichloro-4-cyanophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;

(1s,4s)-4-(2-(cyclopentylamino)-8-(2,6-dichloro-4-(trifluoromethyl)phenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3S)-3-hydroxycyclohexylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3S)-3-hydroxycyclohexylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(2-(2-oxaspiro[3.3]heptan-6-ylamino)-8-(2,6-dichloro-4-(trifluoromethyl)phenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(2-oxaspiro[3.3]heptan-6-ylamino)-8-(2,6-dichloro-4-cyanophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(2-oxaspiro[3.3]heptan-6-ylamino)-8-(2-chloro-4-cyano-6-fluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(2-oxaspiro[3.3]heptan-6-ylamino)-8-(4-cyano-2,6-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclopentylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-(cyclopentylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;

(1S,4s)-4-(8-(2,6-dichloro-4-(trifluoromethyl)phenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(2-(3,3-difluorocyclobutylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-(3,3-difluorocyclobutylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(2-(3,3-difluorocyclobutylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-(3,3-difluorocyclobutylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-(3,3-difluorocyclobutylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-(3,3-difluorocyclobutylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-(trifluoromethyl)phenylamino)-2-(3,3-difluorocyclobutylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((S)-3,3-difluorocyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((R)-3,3-difluorocyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((S)-3,3-difluorocyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((R)-3,3-difluorocyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((S)-3,3-difluorocyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((R)-3,3-difluorocyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((S)-3,3-difluorocyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((R)-3,3-difluorocyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((S)-3,3-difluorocyclopentylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-((S)-3,3-difluorocyclopentylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-(trifluoromethoxy)phenylamino)-2-((1R,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-(trifluoromethoxy)phenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclopentylamino)-8-(2,6-dichloro-4-(trifluoromethoxy)phenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclobutylamino)-8-(2,6-dichloro-4-(trifluoromethoxy)phenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclobutylamino)-8-(2,6-dichloro-4-cyanophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-(cyclobutylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(4-cyano-2,6-difluorophenylamino)-2-(cyclobutylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclobutylamino)-8-(2,6-dichloro-4-(trifluoromethyl)phenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclobutylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-(cyclobutylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclobutylamino)-8-(2,4-dichloro-6-fluorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclobutylamino)-8-(2,6-dichloro-4-fluorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;

(1s,4s)-4-(2-(cyclobutylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-(cyclobutylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(2-((1S,3S)-3-hydroxycyclohexylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((1S,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(2-((1S,3S)-3-hydroxycyclohexylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1S,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((1S,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1S,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((1S,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((1S,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3R)-3-hydroxycyclohexylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((1R,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3R)-3-hydroxycyclohexylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1R,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((1R,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;

(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1R,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((1R,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((1R,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(2-((1S,3R)-3-hydroxycyclohexylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((1S,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(2-((1S,3R)-3-hydroxycyclohexylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1S,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((3S,4R)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((3S,4R)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((1S,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1S,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((1S,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3R)-3-hydroxycyclopentylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((1R,3R)-3-hydroxycyclopentylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(2-((1R,3R)-3-hydroxycyclopentylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;

(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1R,3R)-3-hydroxycyclopentylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((1R,3R)-3-hydroxycyclopentylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1R,3R)-3-hydroxycyclopentylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((1R,3R)-3-hydroxycyclopentylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((1R,3R)-3-hydroxycyclopentylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(4-cyano-2,6-difluorophenylamino)-2-((1R,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(2-((1S,3S)-3-hydroxycyclopentylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((1S,3S)-3-hydroxycyclopentylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(2-((1S,3S)-3-hydroxycyclopentylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1S,3S)-3-hydroxycyclopentylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((1S,3S)-3-hydroxycyclopentylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((1S,3S)-3-hydroxycyclopentylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((1S,3S)-3-hydroxycyclopentylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((1S,3S)-3-hydroxycyclopentylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-(3,3-difluorocyclobutylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;

(1R,4s)-4-(2-(((1S,2S)-2-hydroxycyclohexyl)methylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-(((1S,2S)-2-hydroxycyclohexyl)methylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-(((1S,2S)-2-hydroxycyclohexyl)methylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-(((1S,2S)-2-hydroxycyclohexyl)methylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-(((1S,2S)-2-hydroxycyclohexyl)methylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-(((1S,2S)-2-hydroxycyclohexyl)methylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-(((1S,2S)-2-hydroxycyclohexyl)methylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-(((1S,2S)-2-hydroxycyclohexyl)methylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-(((1S,2R)-2-hydroxycyclohexyl)methylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(2-(((1S,2R)-2-hydroxycyclohexyl)methylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-(((1S,2R)-2-hydroxycyclohexyl)methylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-(((1S,2R)-2-hydroxycyclohexyl)methylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-(((1S,2R)-2-hydroxycyclohexyl)methylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-(((1S,2R)-2-hydroxycyclohexyl)methylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-(3,3-difluorocyclobutylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;

(1s,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-(4-(2,5-dioxopyrrolidin-1-yl)cyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-(4-(2,5-dioxopyrrolidin-1-yl)cyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-cyano-2,6-difluorophenylamino)-2-((3S,4S)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((3S,4S)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((3S,4R)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((3S,4S)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1s,4s)-4-(2-(4-(1,2,4-oxadiazol-5-yl)cyclohexylamino)-8-(2,4-dichloro-6-fluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(4-(1,2,4-oxadiazol-5-yl)cyclohexylamino)-8-(2-chloro-4,6-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(4-(1,2,4-oxadiazol-5-yl)cyclohexylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(4-(1,2,4-oxadiazol-5-yl)cyclohexylamino)-8-(2,6-dichloro-4-fluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(4-(1,2,4-oxadiazol-5-yl)cyclohexylamino)-8-(2-chloro-4-cyano-6-fluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(4-(1,2,4-oxadiazol-5-yl)cyclohexylamino)-8-(2,6-dichloro-4-cyanophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1S,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((1R,3R)-3-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((1R,3R)-3-hydroxycyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((1R,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((1R,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((1S,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((1S,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((1S,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((1S,3S)-3-hydroxycyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-bromo-2,6-dichlorophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-bromo-2,6-dichlorophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((3S,4S)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(cyclopentylamino)-8-(2,3-dichloro-4-cyanophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,3-dichloro-4-cyanophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,3-dichloro-4-cyanophenylamino)-2-(4,4-difluorocyclohexylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,3-dichloro-4-cyanophenylamino)-2-(tetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1S,4s)-4-(8-(4-cyano-2,6-difluorophenylamino)-2-((R)-3,3-difluorocyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((R)-3,3-difluorocyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((R)-3,3-difluorocyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-(methylsulfonyl)piperidin-3-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((R)-1-(methylsulfonyl)piperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((R)-1-(methylsulfonyl)piperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((R)-1-(methylsulfonyl)piperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((R)-1-(methylsulfonyl)piperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(R)-3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,4,6-trichlorophenylamino)-9H-purin-2-ylamino)-N-methylpiperidine-1-carboxamide;
(R)-3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,4-dichloro-6-fluorophenylamino)-9H-purin-2-ylamino)-N-methylpiperidine-1-carboxamide;
(R)-3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,6-dichloro-4-cyanophenylamino)-9H-purin-2-ylamino)-N-methylpiperidine-1-carboxamide;
(R)-methyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,6-dichloro-4-cyanophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-methyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2-chloro-4-cyano-6-fluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(1S,4s)-4-(2-((R)-1-acetylpiperidin-3-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-acetylpiperidin-3-ylamino)-8-(2,4-dichloro-6-fluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1S,4s)-4-(2-((R)-1-acetylpiperidin-3-ylamino)-8-(2,6-dichloro-4-cyanophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-acetylpiperidin-3-ylamino)-8-(4-chloro-2,6-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((3S,4S)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((3S,4R)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((3S,4S)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((3S,4R)-3-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(2-((3S,4R)-3-fluorotetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(2-((3S,4S)-3-fluorotetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((3S,4R)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((3S,4S)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((3S,4R)-3-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((3S,4R)-3-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((3S,4S)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((3S,4R)-3-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((3S,4R)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;

(1S,4s)-1-methyl-4-(2-((3S,4R)-3-methyltetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((3S,4R)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(2-(3-(methylsulfonyl)cyclobutylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-(3-(methylsulfonyl)cyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-(3-(methylsulfonyl)cyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-ethylpiperidin-3-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((R)-1-ethylpiperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((R)-1-ethylpiperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(2,6-dichloro-4-(trifluoromethyl)phenylamino)-2-(3-(methylsulfonyl)cyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1s,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-(3-(methylsulfonyl)cyclobutylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-(trifluoromethyl)phenylamino)-2-((R)-1-ethylpiperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-isopropylpiperidin-3-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((R)-1-isopropylpiperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((R)-1-isopropylpiperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((R)-1-isopropylpiperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((R)-1-phenylpiperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-phenylpiperidin-3-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((R)-1-phenylpiperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-cyano-2,6-difluorophenylamino)-2-((R)-1-phenylpiperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-phenylpiperidin-3-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((R)-1-phenylpiperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((R)-1-phenylpiperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((R)-1-phenylpiperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((R)-1-phenylpiperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-benzylpiperidin-3-ylamino)-8-(2-chloro-4,6-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-benzylpiperidin-3-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-benzylpiperidin-3-ylamino)-8-(2,6-dichloro-4-cyanophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-benzylpiperidin-3-ylamino)-8-(2,6-dichloro-4-(trifluoromethyl)phenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-benzylpiperidin-3-ylamino)-8-(4-cyano-2,6-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-benzylpiperidin-3-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1S,4s)-4-(2-((R)-1-benzylpiperidin-3-ylamino)-8-(4-chloro-2,6-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-benzylpiperidin-3-ylamino)-8-(2,4-dichloro-6-fluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-benzylpiperidin-3-ylamino)-8-(2,6-dichloro-4-fluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((3S,4R)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((3S,4S)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((3S,4R)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((3S,4R)-3-methyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((R)-3,3-dimethyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1R,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((3S,4S)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-3,3-dimethyltetrahydro-2H-pyran-4-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(R)-isopropyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2-chloro-4,6-difluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-isopropyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,4,6-trichlorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-isopropyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,6-dichloro-4-cyanophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-isopropyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,6-dichloro-4-(trifluoromethyl)phenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-isopropyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(4-cyano-2,6-difluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;

(R)-isopropyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,4,6-trifluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-isopropyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(4-chloro-2,6-difluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-isopropyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,4-dichloro-6-fluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-isopropyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,6-dichloro-4-fluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(R)-isopropyl 3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2-chloro-4-cyano-6-fluorophenylamino)-9H-purin-2-ylamino)piperidine-1-carboxylate;
(1S,4s)-4-(2-((R)-1-benzylpiperidin-3-ylamino)-8-(2-chloro-4-cyano-6-fluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(R)-3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2-chloro-4,6-difluorophenylamino)-9H-purin-2-ylamino)-N-phenylpiperidine-1-carboxamide;
(R)-3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,4,6-trichlorophenylamino)-9H-purin-2-ylamino)-N-phenylpiperidine-1-carboxamide;
(R)-3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,6-dichloro-4-cyanophenylamino)-9H-purin-2-ylamino)-N-phenylpiperidine-1-carboxamide;
(R)-3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,4,6-trifluorophenylamino)-9H-purin-2-ylamino)-N-phenylpiperidine-1-carboxamide;
(R)-3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(4-chloro-2,6-difluorophenylamino)-9H-purin-2-ylamino)-N-phenylpiperidine-1-carboxamide;
(R)-3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,4-dichloro-6-fluorophenylamino)-9H-purin-2-ylamino)-N-phenylpiperidine-1-carboxamide;
(R)-3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,6-dichloro-4-fluorophenylamino)-9H-purin-2-ylamino)-N-phenylpiperidine-1-carboxamide;
(R)-3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2-chloro-4-cyano-6-fluorophenylamino)-9H-purin-2-ylamino)-N-phenylpiperidine-1-carboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((R)-3,3-dimethyltetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;

(1S,4s)-4-(8-(2-chloro-4,6-difluorophenylamino)-2-((R)-1-tosylpiperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-tosylpiperidin-3-ylamino)-8-(2,4,6-trichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((R)-1-tosylpiperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-cyano-2,6-difluorophenylamino)-2-((R)-1-tosylpiperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-tosylpiperidin-3-ylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-chloro-2,6-difluorophenylamino)-2-((R)-1-tosylpiperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((R)-1-tosylpiperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((R)-1-tosylpiperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(2-chloro-4-cyano-6-fluorophenylamino)-2-((R)-1-tosylpiperidin-3-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(R)-3-(9-((1s,4S)-4-carbamoylcyclohexyl)-8-(2,6-dichloro-4-(trifluoromethyl)phenylamino)-9H-purin-2-ylamino)-N-methylpiperidine-1-carboxamide;
(1S,4s)-4-(2-((R)-1-acetylpiperidin-3-ylamino)-8-(2-chloro-4,6-difluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-acetylpiperidin-3-ylamino)-8-(2,6-dichloro-4-(trifluoromethyl)phenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-acetylpiperidin-3-ylamino)-8-(2,6-dichloro-4-fluorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(2-((R)-1-acetylpiperidin-3-ylamino)-8-(2,6-dichlorophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide;
(1S,4s)-4-(8-(4-cyano-2,6-difluorophenylamino)-2-((3S,4R)-3-fluorotetrahydro-2H-pyran-4-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide; or

(1R,4s)-4-(2-(((3R,4S)-3-fluorotetrahydro-2H-pyran-4-yl)amino)-8-((2,4,6-trichlorophenyl)amino)-9H-purin-9-yl)-1-methylcyclohexane-1-carboxamide, or a pharmaceutically acceptable salt, tautomer, stereoisomer or enantiomer thereof.

40. A pharmaceutical composition comprising an effective amount of a compound of claim 1 , and a pharmaceutically acceptable carrier, excipient or vehicle.

41. An *in vitro* method of inhibiting a kinase in a cell expressing said kinase, comprising contacting said cell with an effective amount of a compound of claim 1 .

42. An *ex vivo* method of inhibiting a kinase in a cell expressing said kinase, comprising contacting said cell with an effective amount of a compound of claim 1 .

43. A pharmaceutical composition comprising an effective amount of a compound of claim 39, and a pharmaceutically acceptable carrier, excipient or vehicle.

44. An *in vitro* method of inhibiting a kinase in a cell expressing said kinase, comprising contacting said cell with an effective amount of a compound of claim 39.

45. An *ex vivo* method of inhibiting a kinase in a cell expressing said kinase, comprising contacting said cell with an effective amount of a compound of claim 39.

46. The compound of claim 1, wherein the compound is (1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide.

47. The compound of claim 1, wherein the compound is (1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide.

48. The compound of claim 1, wherein the compound is (1R,4s)-4-(8-(2,6-dichloro-4-cyanophenylamino)-2-((S)-1-hydroxypropan-2-ylamino)-9H-purin-9-yl)cyclohexanecarboxamide.

49. The compound of claim 1, wherein the compound is (1s,4s)-4-(2-(cyclobutylamino)-8-(2,6-dichloro-4-cyanophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide.

50. The compound of claim 1, wherein the compound is (1s,4s)-4-(2-(cyclobutylamino)-8-(2,6-dichloro-4-cyanophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide.

51. The compound of claim 1, wherein the compound is (1s,4s)-4-(2-(3,3-difluorocyclobutylamino)-8-(2,4,6-trifluorophenylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide

52. The compound of claim 1, wherein the compound is (1s,4s)-4-(2-(cyclopentylamino)-8-(2,6-dichloro-4-cyanophenylamino)-9H-purin-9-yl)cyclohexanecarboxamide.

53. The compound of claim 1, wherein the compound is (1S,4s)-4-(8-(2,6-dichloro-4-fluorophenylamino)-2-((R)-3,3-difluorocyclopentylamino)-9H-purin-9-yl)cyclohexanecarboxamide.

54. The compound of claim 1, wherein the compound is (1R,4s)-4-(2-(((3R,4S)-3-fluorotetrahydro-2H-pyran-4-yl)amino)-8-((2,4,6-trichlorophenyl)amino)-9H-purin-9-yl)-1-methylcyclohexane-1-carboxamide.

55. The compound of claim 1, wherein the compound is (1R,4s)-4-(8-(2,4-dichloro-6-fluorophenylamino)-2-((1S,3R)-3-hydroxycyclohexylamino)-9H-purin-9-yl)-1-methylcyclohexanecarboxamide.

56. The compound of claim 1, wherein the compound is (1S,4s)-4-(2-(((3S,4R)-3-fluorotetrahydro-2H-pyran-4-yl)amino)-8-((2,4,6-trichlorophenyl)amino)-9H-purin-9-yl)-1-methylcyclohexane-1-carboxamide.

57. The compound of claim 1, wherein the compound is (1S,4s)-4-(8-((4-chloro-2,6-difluorophenyl)amino)-2-(((3S,4R)-3-methyltetrahydro-2H-pyran-4-yl)amino)-9H-purin-9-yl)cyclohexane-1-carboxamide.

58. The compound of claim 1, wherein the compound is (1s,4s)-4-(8-((4-chloro-2,6-difluorophenyl)amino)-2-((tetrahydro-2H-pyran-4-yl)amino)-9H-purin-9-yl)cyclohexane-1-carboxamide.