GEM-DISUBSTITUTED PIPERIDINE MELANOCORTIN SUBTYPE-2 RECEPTOR (MC2R) ANTAGONISTS AND USES THEREOF

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims the benefit of U.S. Provisional Patent Application No. 62/949,854 filed on December 18, 2019, which is herein incorporated by reference in its entirety.

FIELD OF THE INVENTION

[0002] Described herein are compounds that modulate the activity of one or more melanocortin receptors, methods of making such compounds, pharmaceutical compositions and medicaments comprising such compounds, and methods of using such compounds in the treatment of conditions, diseases, or disorders that would benefit from modulating melanocortin subtype-2 receptor (MC2R) activity.

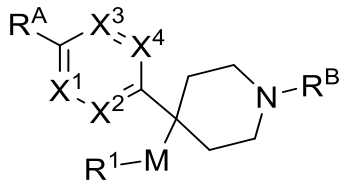
BACKGROUND OF THE INVENTION

[0003] The melanocortin receptors form a family of G protein-coupled receptor (GPCRs) (MC1R, MC2R, MC3R, MC4R, and MC5R) that are selectively activated by different melanocortin peptides adrenocorticotropic hormone (ACTH), and the melanocortin peptides α-, β-, and γ-melanocyte-stimulating hormone (α-MSH, β-MSH, and γ-MSH) that are all derived proteolytically from proopiomelanocortin hormone, or POMC. ACTH is a 39 amino acid peptide that is the primary regulator of adrenal glucocorticoid synthesis and secretion and only has affinity for MC2R . As the central actor in this hypothalamic-pituitary-adrenal (HPA) axis, ACTH is secreted by the pituitary in response to stressful stimuli and acts at the adrenal gland to stimulate the synthesis and secretion of cortisol. Modulation of MC2R is attractive for the treatment of conditions, diseases, or disorders that would benefit from modulating melanocortin receptor activity.

SUMMARY

[0004] Compounds described herein are melanocortin receptor modulator compounds. In some examples, compounds described herein modulate one or more of the subtype melanocortin receptor proteins. In some examples, compounds described herein modulate two or more of the subtype melanocortin receptor proteins. In some examples, compounds described herein modulate MC2R.

[0004a] In an aspect of the present disclosure, there is provided a compound of Formula (I), or a pharmaceutically acceptable salt thereof:



Formula (I)

wherein:

R^A is unsubstituted or substituted heteroaryl or unsubstituted or substituted aryl, wherein if R^A is substituted then R^A is substituted with 1, 2, 3 or 4 groups selected from R^a, R^b, and R^c;

R^a, R^b, and R^c are independently selected from the group consisting of hydrogen, halogen, $-OR^4$, -CN, $-N(R^4)_2$, $-C(=O)R^7$, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, unsubstituted or substituted C_1-C_6 heteroalkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, unsubstituted or substituted C_2-C_7 heterocycloalkyl, unsubstituted or substituted phenyl, and unsubstituted or substituted heteroaryl, wherein any substituted group of R^a, R^b, and R^c is substituted with one or more R^6 groups;

or one R^a and one R^b, when present on adjacent atoms of R^A, are taken together with the intervening atoms connecting R^a to R^b to form a 5- to 6-membered monocyclic carbocycle or 5- to 6-membered monocyclic heterocycle, wherein the carbocycle or heterocycle is unsubstituted or substituted with one or more R^6 groups;

wherein, if R^a, R^b, or R^c is attached to the N atom of a heteroaryl, then it is hydrogen, $-C(=O)R^7$, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, unsubstituted or substituted C_1-C_6 heteroalkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, or unsubstituted or substituted C_2-C_7 heterocycloalkyl;

R^B is unsubstituted or substituted phenyl or unsubstituted or substituted pyridinyl, wherein if R^B is substituted then R^B is substituted with 1, 2, 3 or 4 groups selected from R^d, R^e, and R^f;

R^d, R^e, and R^f are independently selected from the group consisting of hydrogen, halogen, $-OR^4$, -CN, $-N(R^4)_2$, $-C(=O)R^7$, $-C(=O)N(R^4)_2$, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, unsubstituted or substituted C_1-C_6 heteroalkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, unsubstituted or substituted C_2-C_7 heterocycloalkyl, unsubstituted or substituted phenyl, and unsubstituted or substituted heteroaryl, wherein any substituted group of R^d, R^e, and R^f is substituted with one or more R^6 groups;

wherein, if R^d, R^e, or R^f is attached to the N atom of a heteroaryl, then it is hydrogen, -$C(=O)R^7$, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, unsubstituted or substituted C_1-C_6 heteroalkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, or unsubstituted or substituted C_2-C_7 heterocycloalkyl;

X^1 is CR^{11} or N;

X^2 is CR^{12} or N;

X^3 is CR^{13} or N;

X^4 is CR^{14} or N;

R^{11}, R^{12}, R^{13}, and R^{14} are each independently hydrogen, halogen, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, unsubstituted or substituted C_1-C_6 heteroalkyl, unsubstituted or substituted C_3-C_6cycloalkyl, -CN, -OR^4, -SR^4, -CO_2R^4, -$C(=O)N(R^4)_2$, or -$N(R^4)_2$;

M is -NR^3-, -O-, *-NR^3-(C=O)-, *-(C=O)-NR^3-, *-O-(C=O)NR^3-, *-NR^3-(C=O)O- or -NR^3-(C=O)NR^3-, wherein * indicates the attachment point to R^1;

R^1 is unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, unsubstituted or substituted C_1-C_6 heteroalkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, unsubstituted or substituted C_2-C_7 heterocycloalkyl, unsubstituted or substituted -(C_1-C_6 alkyl)-(C_3-C_6 cycloalkyl), or unsubstituted or substituted -(C_1-C_6 alkyl)-(C_2-C_7 heterocycloalkyl), wherein any substituted group of R^1 is substituted with one or more halogen, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted monocyclic heterocycle, -$N(R^4)_2$, -OR^5, -CN, -CO_2R^5, -$C(=O)N(R^4)_2$, -SR^5, -$S(=O)R^7$, -$S(=O)_2R^7$, -$NR^4C(=O)R^5$, -$NR^4SO_2R^7$, -SO_2R^7, or -$SO_2N(R^4)_2$;

each R^3 is independently hydrogen, -CH_3, -CH_2CH_3, -$CH_2CH_2CH_3$, or -$CH(CH_3)_2$;

each R^4 is independently selected from the group consisting of hydrogen, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, unsubstituted or substituted C_1-C_6fluoroalkyl, unsubstituted or substituted aryl, and unsubstituted or substituted heteroaryl;

or two R^4 are taken together with the nitrogen atom to which they are attached to form an unsubstituted or substituted 3- to 6-membered monocyclic heterocycle;

each R^5 is independently selected from the group consisting of hydrogen, substituted C_1-C_6 alkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, unsubstituted or substituted C_1-C_6fluoroalkyl, unsubstituted or substituted aryl, and unsubstituted or substituted heteroaryl;

each R^6 is independently hydrogen, halogen, unsubstituted or substituted C_1-C_4alkyl, unsubstituted or substituted C_1-C_4alkoxy, unsubstituted or substituted C_1-C_4fluoroalkyl, unsubstituted or substituted C_1-C_4fluoroalkoxy, unsubstituted or substituted monocyclic carbocycle, unsubstituted or substituted monocyclic heterocycle, -CN, -OH, $-CO_2R^5$, $-CH_2CO_2R^5$, $-C(=O)N(R^4)_2$, $-C(=O)N(R^4)OR^5$, $-CH_2C(=O)N(R^4)_2$, $-N(R^4)_2$, $-CH_2N(R^4)_2$, $-C(R^5)_2N(R^4)_2$, $-NR^4C(=O)R^5$, $-CH_2NR^4C(=O)R^5$, $-NR^4C(=O)N(R^5)_2$, $-NR^4C(=O)N(R^4)_2$, $C(R^5)=N(R^4)$-OR^5, $-SR^5$, $-S(=O)R^7$, $-SO_2R^7$, or $-SO_2N(R^4)_2$; and

each R^7 is independently selected from the group consisting substituted C_1-C_6 alkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, unsubstituted or substituted C_1-C_6fluoroalkyl, unsubstituted or substituted phenyl, and unsubstituted or substituted heteroaryl.

[0004b] In another aspect of the present disclosure, there is provided a compound that is:

1-1: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-2: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]-N-[(3R)-pyrrolidin-3-yl]piperidine-4-carboxamide;

1-3: N-(2-aminoethyl)-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidine-4-carboxamide;

1-4: N-[(2R)-2-aminopropyl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidine-4-carboxamide;

1-5: N-(3-aminopropyl)-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidine-4-carboxamide;

1-6: N-[(2S)-2-aminopropyl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidine-4-carboxamide;

1-7: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-8: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidine-4-carboxamide;

1-9: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-10: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3R)-pyrrolidin-3-yl]piperidine-4-carboxamide;

1-11: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-12: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-pyrrolidin-3-yl]piperidine-4-carboxamide;

1-13: N-(2-aminoethyl)-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-14: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-15: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-16: N-[(2S)-2-aminopropyl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-17: N-[(2R)-2-amino-3-hydroxypropyl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-18: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(1-methylazetidin-3-yl)methyl]piperidine-4-carboxamide;

1-19: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-(1-methylazetidin-3-yl)piperidine-4-carboxamide;

1-20: N-[(3S)-1-azabicyclo[2.2.2]octan-3-yl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-21: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[3,3'-bipyridin]-6-yl}-N-[(3R)-pyrrolidin-3-yl]piperidine-4-carboxamide;

1-22: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[3,3'-bipyridin]-6-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-23: 1-[2-cyano-6-(trifluoromethyl)pyridin-3-yl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-24: 1-[2-cyano-6-(trifluoromethyl)pyridin-3-yl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-25: 3-(4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-4-{[(3R)-1-methylpyrrolidin-3-yl]carbamoyl}piperidin-1-yl)-6-(trifluoromethyl)pyridine-2-carboxamide;

1-26: 1-[2-cyano-6-(trifluoromethyl)pyridin-3-yl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-27: 3-(4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-4-{[(3S)-1-methylpyrrolidin-3-yl]carbamoyl}piperidin-1-yl)-6-(trifluoromethyl)pyridine-2-carboxamide;

1-28: N-[(2S)-2-amino-3-hydroxypropyl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-29: 1-[2-chloro-6-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-30: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-31: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-32: 1-(2-cyanophenyl)-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-33: 4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]-1-[4-(trifluoromethyl)phenyl]piperidine-4-carboxamide;

1-34: 1-(4-chloro-2-cyanophenyl)-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-35: 4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]-1-[5-(trifluoromethyl)pyridin-2-yl]piperidine-4-carboxamide;

1-36: 1-(4-acetyl-2-cyanophenyl)-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-37: 1-[2-cyano-4-(difluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-38: 1-[4-cyano-2-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-39: 1-[2-cyano-4-(trifluoromethoxy)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-40: 1-(2,4-dicyanophenyl)-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-41: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S,4S)*-4-hydroxy-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-42: 1-[3-cyano-5-(trifluoromethyl)pyridin-2-yl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-43: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrazol-5-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-44: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(2R)-3-hydroxy-2-(methylamino)propyl]piperidine-4-carboxamide;

1-45: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2R)-2-(dimethylamino)-3-hydroxypropyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-46: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3R,4R)*-4-hydroxy-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-47: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(2S)-3-hydroxy-2-(methylamino)propyl]piperidine-4-carboxamide;

1-48: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2S)-2-(dimethylamino)-3-hydroxypropyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-51: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-(2-ethoxypyridin-3-yl)pyrazin-2-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-52: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-53: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2,3-dihydro-1-benzofuran-7-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-54: 4-[6-(1-benzofuran-7-yl)pyridin-3-yl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-55: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{6-[2-(hydroxymethyl)phenyl]pyridin-3-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-56: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxypyridin-3-yl)pyridazin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-57: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxypyridin-3-yl)pyridazin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-58: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-(2-ethoxypyridin-3-yl)pyrazin-2-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-59: 1-[2-cyano-4-(1,1-difluoroethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-60: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethylphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-61: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2,3-difluorophenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-62: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-ethyl-1H-pyrazol-5-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-63: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]-4-[6-(2-propoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-64: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(3-fluorophenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-65: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(3,5-difluorophenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-66: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methylphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-67: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2,2-difluoro-2H-1,3-benzodioxol-4-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-68: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2,5-difluorophenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-69: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxy-5-fluorophenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-70: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{6-[1-(3-methylbutyl)-1H-pyrazol-5-yl]pyridin-3-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-71: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]-4-{6-[2-(trifluoromethoxy)phenyl]pyridin-3-yl}piperidine-4-carboxamide;

1-72: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxy-3-fluorophenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-73: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-indazol-7-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-74: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-fluorophenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-75: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)-3-fluorophenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-76: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-N-(1-methylazetidin-3-yl)piperidine-4-carboxamide;

1-77: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]-4-{6-[2-(trifluoromethyl)phenyl]pyridin-3-yl}piperidine-4-carboxamide;

1-78: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-cyanophenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-79: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{6-[2-(methoxymethyl)phenyl]pyridin-3-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-80: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(3-methoxythiophen-2-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-81: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(5-fluoro-2-methoxyphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-82: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(3-fluoro-2-methoxyphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-83: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxythiophen-3-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-84: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{6-[2-(1,1-difluoroethyl)phenyl]pyridin-3-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-85: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[2'-(difluoromethoxy)-[2,3'-bipyridin]-5-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-86: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{5'-fluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-87: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(3,5-difluoro-2-methoxyphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-88: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-89: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-cyclopropoxyphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-90: 1-(4-chloro-2-cyanophenyl)-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-91: 1-(4-chloro-2-cyanophenyl)-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-92: 1-(4-chloro-2-cyanophenyl)-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-(1-methylazetidin-3-yl)piperidine-4-carboxamide;

1-93: 1-(4-chloro-2-cyanophenyl)-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-N-(1-methylazetidin-3-yl)piperidine-4-carboxamide;

1-94: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-(1-methylazetidin-3-yl)piperidine-4-carboxamide;

1-95: 1-(2,4-dichlorophenyl)-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-96: 1-(2-cyano-4-fluorophenyl)-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-97: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-98: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-99: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(5-fluoro-2-methylphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-100: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-101: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(3-fluoro-2-methoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-102: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(5-fluoro-2-methoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-103: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{5'-fluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-104: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethylphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-105: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(4-methylpyrimidin-5-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-106: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[2-(2-ethoxypyridin-3-yl)pyrimidin-5-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-107: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[2-(2-ethoxypyridin-3-yl)pyrimidin-5-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-108: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-109: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-110: 1-[2-cyano-6-(trifluoromethyl)pyridin-3-yl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-111: 1-(4-chloro-2-cyano-6-fluorophenyl)-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-112: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]-4-[6-(2-methylthiophen-3-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-113: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-cyclopropylphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-114: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{6-[2-(difluoromethoxy)phenyl]pyridin-3-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-115: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-3-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-116: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methylfuran-3-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-117: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]-4-[6-(2-propylphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-118: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethyl-[2,3'-bipyridin]-5-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-119: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxythiophen-3-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-120: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methylfuran-3-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-121: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-cyclopropylphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-122: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]-4-[6-(2-methylthiophen-3-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-123: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)-5-fluoropyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-124: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)-5-fluoropyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-125: 1-[2-cyano-6-(trifluoromethyl)pyridin-3-yl]-4-[6-(2-ethoxyphenyl)-5-fluoropyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-126: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-127: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-128: 1-[2-cyano-6-(trifluoromethyl)pyridin-3-yl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-129: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(3-fluoro-2-hydroxyphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-130: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxy-5-methylphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-131: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{3-fluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-132: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{3-fluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-133: 1-[2-cyano-6-(trifluoromethyl)pyridin-3-yl]-4-{3-fluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-134: 1-(4-chloro-2-cyanophenyl)-4-[6-(2-ethoxyphenyl)pyridazin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-135: 1-(4-chloro-2-cyanophenyl)-4-[6-(2-ethoxyphenyl)pyridazin-3-yl]-N-(1-methylazetidin-3-yl)piperidine-4-carboxamide;

1-136: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridazin-3-yl]-N-(1-methylazetidin-3-yl)piperidine-4-carboxamide;

1-137: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{6-[2-(cyanomethyl)phenyl]pyridin-3-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-138: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]-4-[6-(4-methylthiophen-3-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-139: 1-(4-chloro-2-cyanophenyl)-4-[6-(2-ethoxypyridin-3-yl)pyridazin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-140: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxypyridin-3-yl)pyridazin-3-yl]-N-(1-methylazetidin-3-yl)piperidine-4-carboxamide;

1-141: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-142: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-143: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]-4-[6-(1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-144: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-145: 4-[6-(2-ethoxyphenyl)pyridin-3-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-146: 4-[6-(2-acetylthiophen-3-yl)pyridin-3-yl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-147: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethylthiophen-3-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-148: 4-[6-(2-cyano-3-fluorophenyl)pyridin-3-yl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-149: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(3-methyl-1,2-oxazol-4-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-150: 1-[3-chloro-5-(trifluoromethyl)pyridin-2-yl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-151: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{6-[2-(difluoromethyl)phenyl]pyridin-3-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-152: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3S)-pyrrolidin-3-yl]piperidine-4-carboxamide;

1-153: 4-[6-(5-cyano-1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-154: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-{5'-fluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-155: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(5-fluoro-2-methoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-156: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(2-ethylphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-157: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(5-methyl-1,2-oxazol-4-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-158: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-cyclopropyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-159: 4-[4-(2-ethoxypyridin-3-yl)phenyl]-1-[2-methoxy-4-(trifluoromethyl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-160: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-161: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-162: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-163: 1-(4-chloro-2-cyanophenyl)-4-[5-fluoro-6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-164: 4-[4-(2-ethoxypyridin-3-yl)phenyl]-1-[2-methyl-4-(trifluoromethyl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-165: 1-[3-chloro-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-166: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-167: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxythiophen-3-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-168: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridazin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-169: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridazin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-170: 1-(4-chloro-2-cyanophenyl)-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridazin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-171: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridazin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-172: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-{2'-ethyl-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-173: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-174: 4-[6-(2-ethoxyphenyl)pyridazin-3-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-175: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridazin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-176: 4-{[2,2'-bipyridin]-5-yl}-1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-177: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{3'-methyl-[2,2'-bipyridin]-5-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-178: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{3'-methoxy-[2,2'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-179: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-180: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-cyclopropyl-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-181: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[2'-(difluoromethyl)-[2,3'-bipyridin]-5-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-182: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(5-cyclopropyl-1,3-oxazol-4-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-183: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridazin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-184: ethyl (3S)-3-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-amido}pyrrolidine-1-carboxylate;

1-185: N-[(3S)-1-acetylpyrrolidin-3-yl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-186: 4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-187: N-[(3S)-1-azabicyclo[2.2.2]octan-3-yl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-188: N-[(3R)-1-azabicyclo[2.2.2]octan-3-yl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-189: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyquinolin-3-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-190: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-indol-7-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-191: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-indol-2-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-192: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-193: 4-[6-(2-ethoxypyridin-3-yl)pyridazin-3-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-194: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxypyridin-3-yl)pyridazin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-195: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(5-fluoro-2-methoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-196: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-197: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]-N-[3-(methylamino)propyl]piperidine-4-carboxamide;

1-198: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-199: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[3-(dimethylamino)propyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-200: 4-[6-(2-ethoxyphenyl)-5-fluoropyridin-3-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-201: 4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-202: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)-5-fluoropyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-203: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-204: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(5-fluoro-2-methoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-205: N-(3-aminopropyl)-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-206: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[3-(methylamino)propyl]piperidine-4-carboxamide;

1-207: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[3-(dimethylamino)propyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-208: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-ethyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-209: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{3,5'-difluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-210: 4-{3,5'-difluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-211: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-[(1-methylazetidin-3-yl)methyl]piperidine-4-carboxamide;

1-212: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-213: N-{[(2S)-azetidin-2-yl]methyl}-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-214: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-215: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-216: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-217: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-{[(2S)-1-methylazetidin-2-yl]methyl}piperidine-4-carboxamide;

1-218: N-[(3S)-1-azabicyclo[2.2.2]octan-3-yl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-219: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-(1-methylazetidin-3-yl)piperidine-4-carboxamide;

1-220: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(1-methylazetidin-3-yl)methyl]piperidine-4-carboxamide;

1-221: N-{1-azabicyclo[2.2.1]heptan-4-yl}-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-222: N-[2-(dimethylamino)ethyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]piperidine-4-carboxamide;

1-223: 4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-224: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-225: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-226: N-[2-(dimethylamino)ethyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]piperidine-4-carboxamide;

1-227: 4-[6-(2-ethoxyphenyl)pyridin-3-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-228: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-229: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-{[(2S)-1-methylpyrrolidin-2-yl]methyl}piperidine-4-carboxamide;

1-230: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-231: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-{[(2R)-pyrrolidin-2-yl]methyl}piperidine-4-carboxamide;

1-232: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-{[(2R)-1-methylpyrrolidin-2-yl]methyl}piperidine-4-carboxamide;

1-233: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(1S,3S)-3-aminocyclobutyl]piperidine-4-carboxamide;

1-234: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(1R,3R)-3-aminocyclobutyl]piperidine-4-carboxamide;

1-235: N-{[(2S)-azetidin-2-yl]methyl}-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-236: N-{[(2R)-azetidin-2-yl]methyl}-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-237: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R,4S)-4-fluoropyrrolidin-3-yl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-238: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R,4R)-4-fluoropyrrolidin-3-yl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-239: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(1S,3S)-3-(dimethylamino)cyclobutyl]piperidine-4-carboxamide;

1-240: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(1R,3R)-3-(dimethylamino)cyclobutyl]piperidine-4-carboxamide;

1-241: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-{[(2S)-1-methylazetidin-2-yl]methyl}piperidine-4-carboxamide;

1-242: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R,4S)-4-fluoro-1-methylpyrrolidin-3-yl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-243: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R,4R)-4-fluoro-1-methylpyrrolidin-3-yl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-244: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-{[(2R)-1-methylazetidin-2-yl]methyl}piperidine-4-carboxamide;

1-245: N-[2-(azetidin-1-yl)ethyl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-246: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{[(2S,4S)-4-fluoropyrrolidin-2-yl]methyl}-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-247: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{[(2S,4R)-4-fluoropyrrolidin-2-yl]methyl}-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-248: N-[2-(azetidin-1-yl)ethyl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-249: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{[(2S,4S)-4-fluoro-1-methylpyrrolidin-2-yl]methyl}-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-250: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{[(2S,4R)-4-fluoro-1-methylpyrrolidin-2-yl]methyl}-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-251: rac-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(1S,2S,4R)-7-methyl-7-azabicyclo[2.2.1]heptan-2-yl]piperidine-4-carboxamide;

1-252: rac-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-[(1S,2S,4R)-7-methyl-7-azabicyclo[2.2.1]heptan-2-yl]piperidine-4-carboxamide;

1-253: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3S)-1,3-dimethylpyrrolidin-3-yl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-254: N-[2-(dimethylamino)ethyl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-255: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-256: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-257: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-258: rac-N-[(1R,2S)-2-aminocyclopropyl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-259: rac-N-[(1R,2R)-2-aminocyclopropyl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-260: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2R)-1-(dimethylamino)propan-2-yl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-261: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2S)-1-(dimethylamino)propan-2-yl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-262: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{3-[(dimethylamino)methyl]oxetan-3-yl}-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-263: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{[1-(dimethylamino)cyclopropyl]methyl}-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-264: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3S,4S)-4-(dimethylamino)oxolan-3-yl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-265: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{2-[ethyl(methyl)amino]ethyl}-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-266: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{2-[cyclopropyl(methyl)amino]ethyl}-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-267: rac-1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3S,4R)-4-methoxy-1-methylpyrrolidin-3-yl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-268: rac-1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R,4R)-4-methoxy-1-methylpyrrolidin-3-yl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-269: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R,4R)-4-hydroxy-1-methylpyrrolidin-3-yl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-270: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3S,4S)-4-hydroxy-1-methylpyrrolidin-3-yl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-271: N-[2-(dimethylamino)ethyl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-272: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-273: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-274: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-275: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2R)-2-(dimethylamino)-3-hydroxypropyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-276: N-[2-(dimethylamino)ethyl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-277: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{[(2S,4S)-4-fluoro-1-methylpyrrolidin-2-yl]methyl}-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-278: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{[(2S,4R)-4-fluoro-1-methylpyrrolidin-2-yl]methyl}-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-279: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{[(2S)-4,4-difluoro-1-methylpyrrolidin-2-yl]methyl}-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-280: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{[(2R)-4,4-difluoro-1-methylpyrrolidin-2-yl]methyl}-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-281: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-282: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-283: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-284: N-[2-(dimethylamino)ethyl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]piperidine-4-carboxamide;

1-285: N-[2-(dimethylamino)ethyl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-286: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-287: 4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-288: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-289: N-[2-(dimethylamino)ethyl]-4-[6-(2-ethoxyphenyl)-5-fluoropyridin-3-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]piperidine-4-carboxamide;

1-290: 4-[6-(2-ethoxyphenyl)-5-fluoropyridin-3-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-291: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[6-(2-ethoxyphenyl)-5-fluoropyridin-3-yl]piperidine-4-carboxamide;

1-292: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)-5-fluoropyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-293: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-294: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-295: N-[(2S)-1-(dimethylamino)propan-2-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-296: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[(2S)-1-(dimethylamino)propan-2-yl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-297: N-[(2S)-1-(dimethylamino)propan-2-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-298: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-299: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-300: N-[2-(dimethylamino)ethyl]-4-{3-fluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]piperidine-4-carboxamide;

1-301: 4-{3-fluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-302: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-{3-fluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-303: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-{3-fluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-304: N-[2-(dimethylamino)ethyl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-305: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-306: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-307: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-308: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-309: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[5-fluoro-6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-310: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-311: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-312: N-[(2S)-1-(dimethylamino)propan-2-yl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]piperidine-4-carboxamide;

1-313: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2S)-1-(dimethylamino)propan-2-yl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-314: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-315: 4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-316: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-317: N-[(2S)-1-(dimethylamino)propan-2-yl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]piperidine-4-carboxamide;

1-318: 1-(2,4-dichlorophenyl)-N-[(2S)-1-(dimethylamino)propan-2-yl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-319: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2S)-1-(dimethylamino)propan-2-yl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-320: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-321: 4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-322: 1-(2,4-dichlorophenyl)-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-323: 1-(4-chloro-2-cyanophenyl)-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-324: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2S)-1-(dimethylamino)propan-2-yl]-4-[5-fluoro-6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-325: 1-(4-chloro-2-cyanophenyl)-N-[(2S)-1-(dimethylamino)propan-2-yl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-326: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-327: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-{[(2S)-4-methylmorpholin-2-yl]methyl}piperidine-4-carboxamide;

1-328: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-{[(3S)-4-methylmorpholin-3-yl]methyl}piperidine-4-carboxamide;

1-329: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-{[(3R)-4-methylmorpholin-3-yl]methyl}piperidine-4-carboxamide;

1-330: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-{[(2R)-4-methylmorpholin-2-yl]methyl}piperidine-4-carboxamide;

1-331: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[6-(2-ethoxypyridin-3-yl)pyridazin-3-yl]piperidine-4-carboxamide;

1-332: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2S)-2-(dimethylamino)propyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-333: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2R)-2-(dimethylamino)propyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-334: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2R)-2-(dimethylamino)-3-hydroxypropyl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-335: N-[2-(dimethylamino)ethyl]-4-[6-(2-ethoxypyridin-3-yl)pyridazin-3-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]piperidine-4-carboxamide;

2-1: 2-{4-[2-(dimethylamino)ethoxy]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidin-1-yl}-5-(trifluoromethyl)benzonitrile;

2-2: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidin-4-yl N-[2-(dimethylamino)ethyl]carbamate;

2-3: 3-amino-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidin-4-yl}propanamide;

2-4: 3-amino-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}propanamide;

2-5: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-3-(methylamino)propanamide;

2-6: (3R)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}pyrrolidine-3-carboxamide;

2-7: (3R)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-1-methylpyrrolidine-3-carboxamidev;

2-8: (3S)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}pyrrolidine-3-carboxamide;

2-9: (3S)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-1-methylpyrrolidine-3-carboxamide;

2-10: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-3-(dimethylamino)propanamide;

2-11: (2S)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidin-4-yl}-1-methylpyrrolidine-2-carboxamide;

2-12: (3R)-1-methylpyrrolidin-3-yl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidin-4-yl}carbamate;

2-13: (3S)-1-methylpyrrolidin-3-yl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidin-4-yl}carbamate;

2-14: 2-(4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-4-[(2-hydroxyethyl)amino]piperidin-1-yl)-5-(trifluoromethyl)benzonitrile;

2-15: 2-(4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-4-{[2-(methylamino)ethyl]amino}piperidin-1-yl)-5-(trifluoromethyl)benzonitrile;

2-16: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidin-4-yl}-1-methylazetidine-3-carboxamide;

2-17: (2R)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidin-4-yl}-1-methylpyrrolidine-2-carboxamide;

2-18: (3S)-1-methylpyrrolidin-3-yl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}carbamate;

2-19: 1-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-3-[(3R)-1-methylpyrrolidin-3-yl]urea;

2-20: 1-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-3-[(3S)-1-methylpyrrolidin-3-yl]urea;

2-21: (3R)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-3-(methylamino)pyrrolidine-1-carboxamide;

2-22: (3R)-1-methylpyrrolidin-3-yl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}carbamate;

2-23: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-3-(methylamino)azetidine-1-carboxamide;

2-24: (3S)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-3-(methylamino)pyrrolidine-1-carboxamide;

2-25: N-[1-(4-chloro-2-cyanophenyl)-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidin-4-yl]-1-methylazetidine-3-carboxamide;

2-26: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-2-(dimethylamino)acetamide;

2-27: (3S)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidin-4-yl}-1-methylpyrrolidine-3-carboxamide;

2-28: (3S)-N-[1-(4-chloro-2-cyanophenyl)-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidin-4-yl]-1-methylpyrrolidine-3-carboxamide;

2-29: (3R)-N-[1-(4-chloro-2-cyanophenyl)-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidin-4-yl]-1-methylpyrrolidine-3-carboxamide;

2-30: N-[1-(4-chloro-2-cyanophenyl)-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidin-4-yl]-3-(dimethylamino)propanamide;

2-31: N-[1-(4-chloro-2-cyanophenyl)-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidin-4-yl]-2-(dimethylamino)acetamide;

2-32: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-1-methylazetidine-3-carboxamide;

2-33: (3R)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidin-4-yl}-1-methylpyrrolidine-3-carboxamide;

2-34: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidin-4-yl}-2-(dimethylamino)acetamide;

2-35: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidin-4-yl}-1-methylazetidine-3-carboxamide;

2-36: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidin-4-yl}-3-(dimethylamino)propanamide;

2-37: N-[1-(4-chloro-2-cyanophenyl)-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl]-1-methylazetidine-3-carboxamide;

2-38: N-[1-(4-chloro-2-cyanophenyl)-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl]-2-(dimethylamino)acetamide;

2-39: (3S)-N-[1-(4-chloro-2-cyanophenyl)-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl]-1-methylpyrrolidine-3-carboxamide;

2-40: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-1-methylazetidine-3-carboxamide;

2-41: (3R)-1-methylpyrrolidin-3-yl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidin-4-yl}carbamate;

2-42: (3S)-1-methylpyrrolidin-3-yl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidin-4-yl}carbamate;

2-43: 1-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidin-4-yl}-3-[(3S)-1-methylpyrrolidin-3-yl]urea;

2-44: (3S)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidin-4-yl}pyrrolidine-3-carboxamide;

2-45: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidin-4-yl}-1-methylazetidine-3-carboxamide;

2-46: (3S)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidin-4-yl}-1-methylpyrrolidine-3-carboxamide; and

2-47: (3R)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidin-4-yl}-1-methylpyrrolidine-3-carboxamide;

2-48: 1-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidin-4-yl}-3-[(3R)-1-methylpyrrolidin-3-yl]urea;

2-49: (3S)-1-methylpyrrolidin-3-yl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}carbamate;

2-50: (3R)-1-methylpyrrolidin-3-yl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}carbamate;

2-51: 1-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-3-[(3S)-1-methylpyrrolidin-3-yl]urea;

2-52: 1-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-3-[(3R)-1-methylpyrrolidin-3-yl]urea;

2-53: (3S)-1-methylpyrrolidin-3-yl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}carbamate;

2-54: (3R)-1-methylpyrrolidin-3-yl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}carbamate;

2-55: 1-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-3-[(3S)-1-methylpyrrolidin-3-yl]urea;

2-56: 1-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-3-[(3R)-1-methylpyrrolidin-3-yl]urea;

2-57: 2-(dimethylamino)ethyl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}carbamate;

2-58: 1-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-3-[2-(dimethylamino)ethyl]urea;

2-59: 1-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-3-(1-methylazetidin-3-yl)urea;

2-60: (3R)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-1-methylpyrrolidine-3-carboxamide;

2-61: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-2-(dimethylamino)acetamide;

2-62: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-3-(dimethylamino)propanamide;

2-63: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-3-(methylamino)propanamide;

2-64: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxypyridin-3-yl)pyridazin-3-yl]piperidin-4-yl}-3-(dimethylamino)propanamide;

or a pharmaceutically acceptable salt thereof.

[0004c] In another aspect, there is provided a compound that is N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-3-(dimethylamino)propenamide (Compound **2-62**), or a pharmaceutically acceptable salt thereof.

[0004d] In a further aspect of the present disclosure, there is provided a pharmaceutical composition comprising a compound disclosed herein, or a pharmaceutically acceptable salt thereof, and at least one pharmaceutically acceptable excipient.

[0004e] In another aspect of the present disclosure, there is provided a use of a compound disclosed herein, or a pharmaceutically acceptable salt thereof, in the manufacture of a medicament for treating a disease or condition in a mammal that would benefit from the modulation of melanocortin subtype-2 receptor (MC2R) activity; wherein the disease or condition comprises growth of fat pads in the collarbone, back of neck, face and trunk, excessive sweating, dilation of capillaries, thinning of the skin, muscle weakness, hirsutism, depression/anxiety, hypertension, osteoporosis, insulin resistance, hyperglycemia, and heart disease.

[0004f] In a further aspect of the present disclosure, there is provided a use of a compound disclosed herein, or a pharmaceutically acceptable salt thereof, in the manufacture of a medicament for treating Cushing’s syndrome, ectopic Cushing's syndrome, congenital adrenal hyperplasia (CAH), or for reducing the secretion of adrenocorticotropic hormone (ACTH) in a mammal.

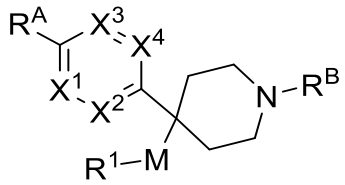
[0004g] In another aspect of the present disclosure, there is provided a compound disclosed herein, or a pharmaceutically acceptable salt thereof, for use in therapy.

[0005] In one example, described herein is a compound of Formula (I), or a pharmaceutically acceptable salt, or solvate thereof:

CLAIMS

WHAT IS CLAIMED IS:

1. A compound of Formula (I), or a pharmaceutically acceptable salt thereof:



Formula (I)

wherein:

R^A is unsubstituted or substituted heteroaryl or unsubstituted or substituted aryl, wherein if R^A is substituted then R^A is substituted with 1, 2, 3 or 4 groups selected from R^a, R^b, and R^c;

R^a, R^b, and R^c are independently selected from the group consisting of hydrogen, halogen, $-OR^4$, -CN, $-N(R^4)_2$, $-C(=O)R^7$, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, unsubstituted or substituted C_1-C_6 heteroalkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, unsubstituted or substituted C_2-C_7 heterocycloalkyl, unsubstituted or substituted phenyl, and unsubstituted or substituted heteroaryl, wherein any substituted group of R^a, R^b, and R^c is substituted with one or more R^6 groups;

or one R^a and one R^b, when present on adjacent atoms of R^A, are taken together with the intervening atoms connecting R^a to R^b to form a 5- to 6-membered monocyclic carbocycle or 5- to 6-membered monocyclic heterocycle, wherein the carbocycle or heterocycle is unsubstituted or substituted with one or more R^6 groups;

wherein, if R^a, R^b, or R^c is attached to the N atom of a heteroaryl, then it is hydrogen, $-C(=O)R^7$, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, unsubstituted or substituted C_1-C_6 heteroalkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, or unsubstituted or substituted C_2-C_7 heterocycloalkyl;

R^B is unsubstituted or substituted phenyl or unsubstituted or substituted pyridinyl, wherein if R^B is substituted then R^B is substituted with 1, 2, 3 or 4 groups selected from R^d, R^e, and R^f;

R^d, R^e, and R^f are independently selected from the group consisting of hydrogen, halogen, $-OR^4$, -CN, $-N(R^4)_2$, $-C(=O)R^7$, $-C(=O)N(R^4)_2$, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, unsubstituted or substituted C_1-C_6 heteroalkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, unsubstituted or substituted C_2-C_7 heterocycloalkyl, unsubstituted or substituted phenyl, and

unsubstituted or substituted heteroaryl, wherein any substituted group of R^d, R^e, and R^f is substituted with one or more R^6 groups;

wherein, if R^d, R^e, or R^f is attached to the N atom of a heteroaryl, then it is hydrogen, -C(=O)R^7, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, unsubstituted or substituted C_1-C_6 heteroalkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, or unsubstituted or substituted C_2-C_7 heterocycloalkyl;

X^1 is CR^{11} or N;

X^2 is CR^{12} or N;

X^3 is CR^{13} or N;

X^4 is CR^{14} or N;

R^{11}, R^{12}, R^{13}, and R^{14} are each independently hydrogen, halogen, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, unsubstituted or substituted C_1-C_6 heteroalkyl, unsubstituted or substituted C_3-C_6cycloalkyl, -CN, -OR^4, -SR^4, -CO_2R^4, -C(=O)N(R^4)$_2$, or -N(R^4)$_2$;

M is -NR^3-, -O-, *-NR^3-(C=O)-, *-(C=O)-NR^3-, *-O-(C=O)NR^3-, *-NR^3-(C=O)O- or -NR^3-(C=O)NR^3-, wherein * indicates the attachment point to R^1;

R^1 is unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, unsubstituted or substituted C_1-C_6 heteroalkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, unsubstituted or substituted C_2-C_7 heterocycloalkyl, unsubstituted or substituted -(C_1-C_6 alkyl)-(C_3-C_6 cycloalkyl), or unsubstituted or substituted -(C_1-C_6 alkyl)-(C_2-C_7 heterocycloalkyl), wherein any substituted group of R^1 is substituted with one or more halogen, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted monocyclic heterocycle, -N(R^4)$_2$, -OR^5, -CN, -CO_2R^5, -C(=O)N(R^4)$_2$, -SR^5, -S(=O)R^7, -$S(=O)_2R^7$, -NR^4C(=O)R^5, -$NR^4SO_2R^7$, -SO_2R^7, or -SO_2N(R^4)$_2$;

each R^3 is independently hydrogen, -CH_3, -CH_2CH_3, -$CH_2CH_2CH_3$, or -$CH(CH_3)_2$;

each R^4 is independently selected from the group consisting of hydrogen, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, unsubstituted or substituted C_1-C_6fluoroalkyl, unsubstituted or substituted aryl, and unsubstituted or substituted heteroaryl;

or two R^4 are taken together with the nitrogen atom to which they are attached to form an unsubstituted or substituted 3- to 6-membered monocyclic heterocycle;

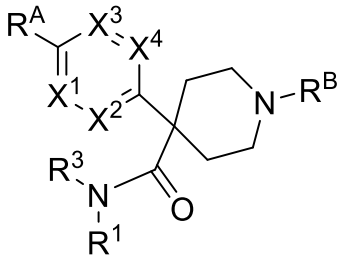
each R^5 is independently selected from the group consisting of hydrogen, substituted C_1-C_6 alkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, unsubstituted or substituted

C_1-C_6fluoroalkyl, unsubstituted or substituted aryl, and unsubstituted or substituted heteroaryl;

each R^6 is independently hydrogen, halogen, unsubstituted or substituted C_1-C_4alkyl, unsubstituted or substituted C_1-C_4alkoxy, unsubstituted or substituted C_1-C_4fluoroalkyl, unsubstituted or substituted C_1-C_4fluoroalkoxy, unsubstituted or substituted monocyclic carbocycle, unsubstituted or substituted monocyclic heterocycle, -CN, -OH, $-CO_2R^5$, $-CH_2CO_2R^5$, $-C(=O)N(R^4)_2$, $-C(=O)N(R^4)OR^5$, $-CH_2C(=O)N(R^4)_2$, $-N(R^4)_2$, $-CH_2N(R^4)_2$, $-C(R^5)_2N(R^4)_2$, $-NR^4C(=O)R^5$, $-CH_2NR^4C(=O)R^5$, $-NR^4C(=O)N(R^5)_2$, $-NR^4C(=O)N(R^4)_2$, $C(R^5)=N(R^4)$-OR^5, $-SR^5$, $-S(=O)R^7$, $-SO_2R^7$, or $-SO_2N(R^4)_2$; and

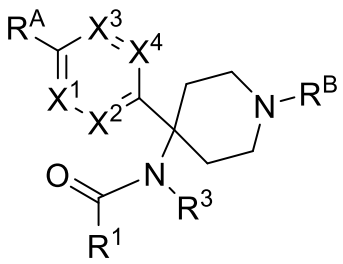
each R^7 is independently selected from the group consisting substituted C_1-C_6 alkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, unsubstituted or substituted C_1-C_6fluoroalkyl, unsubstituted or substituted phenyl, and unsubstituted or substituted heteroaryl.

2. The compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein the compound has the structure of Formula (IIa) , or a pharmaceutically acceptable salt thereof:



Formula (IIa).

3. The compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein the compound has the structure of Formula (IIb), or a pharmaceutically acceptable salt thereof:



Formula (IIb).

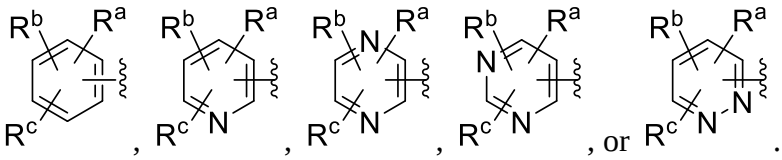
4. The compound of any one of claims 1-3, or a pharmaceutically acceptable salt thereof, wherein:

R^A is unsubstituted or substituted monocyclic 6-membered heteroaryl, unsubstituted or substituted phenyl, or unsubstituted or substituted monocyclic 5-membered heteroaryl, wherein if R^A is substituted then R^A is substituted with 1, 2, 3 or 4 groups selected from R^a, R^b, and R^c.

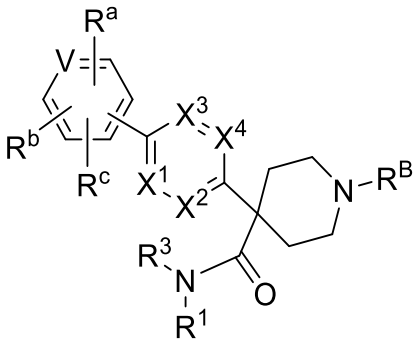
5. The compound of any one of claims 1-4, or a pharmaceutically acceptable salt thereof, wherein:

R^A is unsubstituted or substituted pyridinyl, unsubstituted or substituted pyrimidinyl, unsubstituted or substituted pyrazinyl, or unsubstituted or substituted pyridazinyl, or unsubstituted or substituted phenyl, wherein if R^A is substituted then R^A is substituted with 1, 2, 3 or 4 groups selected from R^a, R^b, and R^c.

6. The compound of any one of claims 1-4, or a pharmaceutically acceptable salt thereof, wherein:

R^A is .

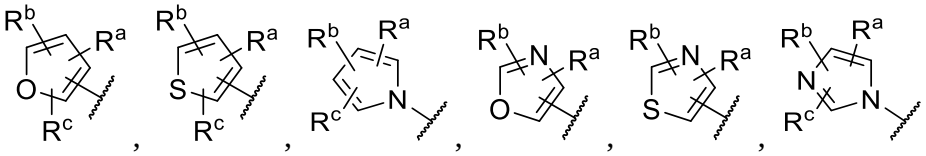
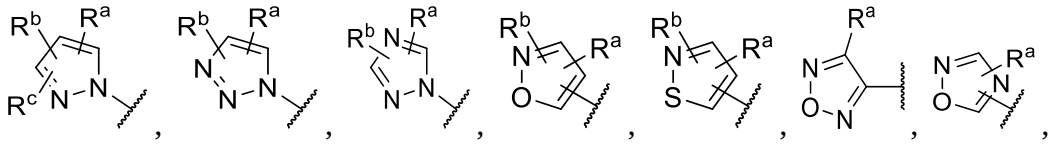
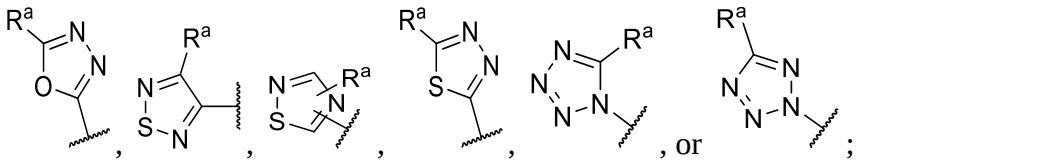
7. The compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein the compound has the structure of Formula (IVa), or a pharmaceutically acceptable salt thereof:

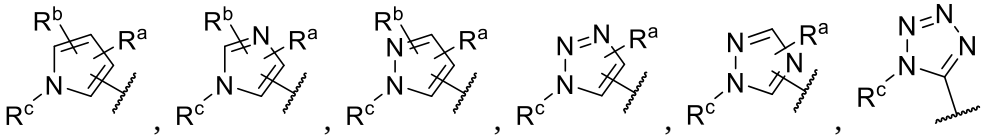
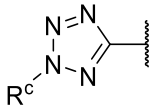


Formula (IVa)

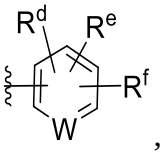
wherein V is CH, CR^a, CR^b, or N.

8. The compound of any one of claims 1-4, or a pharmaceutically acceptable salt thereof, wherein:

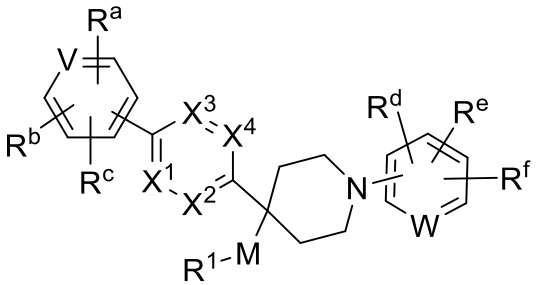
R^A is , , , or ;

or R^A is , or , where R^c is hydrogen, -C(=O)R^7, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, or unsubstituted or substituted C_2-C_7 heterocycloalkyl.

9. The compound of any one of claims 1-8, or a pharmaceutically acceptable salt thereof, wherein:

R^B is , where W is CH, CR^d, CR^e, or N.

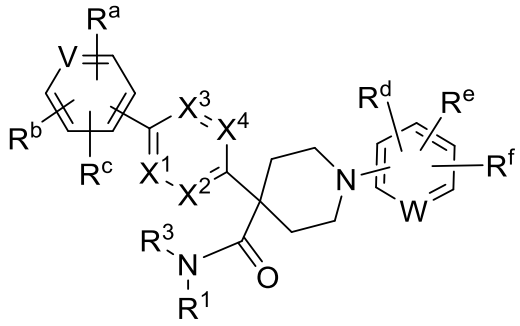
10. The compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein the compound has the structure of Formula (VI), or a pharmaceutically acceptable salt thereof:



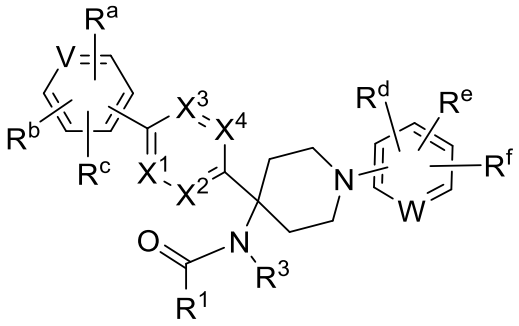
Formula (VI)

wherein V is CH, CR^a, CR^b, or N; and W is CH, CR^d, CR^e, or N.

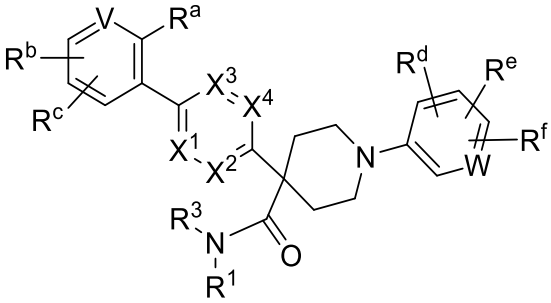
11. The compound of claim 10, or a pharmaceutically acceptable salt thereof, wherein the compound has the structure of Formula (VIa), Formula (VIc), Formula (VIb), Formula (VId), Formula (VIIb) or Formula (VIIe), or a pharmaceutically acceptable salt thereof:



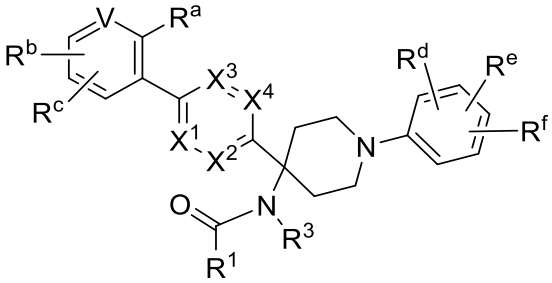
Formula (VIa)



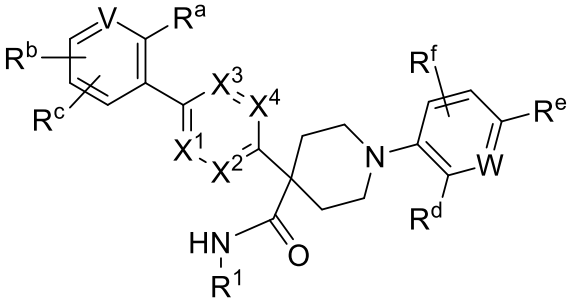
Formula (VIc)



Formula (VIb)

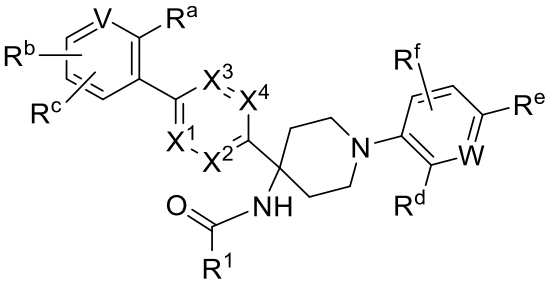


Formula (VId)



Formula (VIIb)

or



Formula (VIIe);

wherein V is CH, CR^a, CR^b, or N; and W is CH, CR^d, CR^e, or N.

12. The compound of any one of claims 1-11, or a pharmaceutically acceptable salt thereof, wherein:

R^1 is unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 heteroalkyl containing 1 N atom, wherein any substituted group of R^1 is substituted with one or more halogen, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted monocyclic heterocycle, $-N(R^4)_2$, $-OR^5$, -CN, $-CO_2R^5$, $-C(=O)N(R^4)_2$, $-SR^5$, $-S(=O)R^7$, $-S(=O)_2R^7$, $-NR^4C(=O)R^5$, $-NR^4SO_2R^7$, $-SO_2R^7$, or $-SO_2N(R^4)_2$;

or R^1 is unsubstituted or substituted monocyclic 4-, 5- or 6-membered heterocycle containing 1-4 N atoms and 0 or 1 O or S atoms;

or R^1 is unsubstituted or substituted bridged C_2-C_7 heterocycloalkyl containing 1-2 N atoms;

or R^1 is unsubstituted or substituted -(C_1-C_6 alkyl)-(C_2-C_7 heterocycloalkyl), wherein the heterocycloalkyl is an unsubstituted or substituted monocyclic 4-, 5- or 6-membered heterocycloalkyl containing 1-4 N atoms and 0 or 1 O or S atoms.

13. The compound of claim 12, or a pharmaceutically acceptable salt thereof, wherein:

R^1 is unsubstituted or substituted C_1-C_6 heteroalkyl containing 1 N atom;

or R^1 is unsubstituted or substituted monocyclic 4-, 5- or 6-membered heterocycle containing 1-4 N atoms and 0 or 1 O or S atoms;

or R^1 is unsubstituted or substituted -(C_1-C_6 alkyl)-(C_2-C_7 heterocycloalkyl), wherein the heterocycloalkyl is an unsubstituted or substituted monocyclic 4-, 5- or 6-membered heterocycloalkyl containing 1-4 N atoms and 0 or 1 O or S atoms.

14. The compound of any one of claims 1-13, or a pharmaceutically acceptable salt thereof, wherein:

X^1 is CR^{11}; X^2 is CR^{12}; X^3 is CR^{13}; and X^4 is CR^{14};

or X^1 is N; X^2 is CR^{12}; X^3 is CR^{13}; and X^4 is CR^{14};

or X^1 is CR^{11}; X^2 is N; X^3 is CR^{13}; and X^4 is CR^{14};

or X^1 is N; X^2 is CR^{12}; X^3 is CR^{13}; and X^4 is N;

or X^1 is N; X^2 is N; X^3 is CR^{13}; and X^4 is CR^{14};

or X^1 is N; X^2 is CR^{12}; X^3 is N; and X^4 is CR^{14};

or X^1 is CR^{11}; X^2 is CR^{12}; X^3 is CR^{13}; and X^4 is CR^{14}.

15. The compound of any one of claims 1-13, or a pharmaceutically acceptable salt thereof, wherein:

X^1 is CH, CF, or N;

X^2 is CH, CF, or N;

X^3 is CH, CF, or N; and

X^4 is CH, CF, or N.

16. The compound of any one of claims 1-13, or a pharmaceutically acceptable salt thereof, wherein:

X^1 is N;

X^2 is CH;

X^3 is CH or CF; and

X^4 is CH.

17. The compound of any one of claims 1-16, or a pharmaceutically acceptable salt thereof, wherein:

R^a, R^b, and R^c are independently selected from the group consisting of hydrogen, halogen, $-OR^4$, -CN, $-N(R^4)_2$, $-C(=O)R^7$, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, unsubstituted or substituted C_1-C_6 heteroalkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, unsubstituted or substituted C_2-C_7 heterocycloalkyl, unsubstituted or substituted phenyl, unsubstituted or substituted monocyclic heteroaryl, and unsubstituted or substituted bicyclic heteroaryl, wherein any substituted group of R^a, R^b, and R^c is substituted with one or more R^6 groups;

or one R^a and one R^b, when present on adjacent atoms of R^A, are taken together with the intervening atoms connecting R^a to R^b to form a 5- to 6-membered monocyclic carbocycle or 5- to 6-membered monocyclic heterocycle, wherein the carbocycle or heterocycle is unsubstituted or substituted with one or more R^6 groups;

wherein, if R^a, R^b, or R^c is attached to the N atom of a heteroaryl, then it is hydrogen, $-C(=O)R^7$, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, or unsubstituted or substituted C_2-C_7 heterocycloalkyl; and

R^d, R^e, and R^f are independently selected from the group consisting of hydrogen, halogen, $-OR^4$, -CN, $-N(R^4)_2$, $-C(=O)R^7$, $-C(=O)N(R^4)_2$, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, unsubstituted or substituted C_1-C_6 heteroalkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, unsubstituted or substituted C_2-C_7 heterocycloalkyl, unsubstituted or substituted phenyl, unsubstituted or substituted monocyclic heteroaryl, and unsubstituted or substituted bicyclic heteroaryl, wherein any substituted group of R^d, R^e, and R^f is substituted with one or more R^6 groups;

wherein, if R^d, R^e, or R^f is attached to the N atom of a heteroaryl, then it is hydrogen, $-C(=O)R^7$, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, or unsubstituted or substituted C_2-C_7 heterocycloalkyl.

18. The compound of any one of claims 1-16, or a pharmaceutically acceptable salt thereof, wherein:

R^a is selected from the group consisting of hydrogen, halogen, $-OR^4$, -CN, $-N(R^4)_2$, $-C(=O)R^7$, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, unsubstituted or substituted C_1-C_6 heteroalkyl, and unsubstituted or substituted C_3-C_6 cycloalkyl, wherein any substituted group of R^a is substituted with one or more R^6 groups; and

R^b and R^c are independently selected from the group consisting of hydrogen, halogen, -OR^4, -CN, -$N(R^4)_2$, -$C(=O)R^7$, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, and unsubstituted or substituted C_1-C_6 heteroalkyl, wherein any substituted group of R^b and R^c is substituted with one or more R^6 groups;

wherein, if R^a, R^b, or R^c is attached to the N atom of a heteroaryl, then it is hydrogen, -$C(=O)R^7$, or unsubstituted or substituted C_1-C_6 alkyl;

R^d is selected from the group consisting of hydrogen, halogen, -OR^4, -CN, -$N(R^4)_2$, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, unsubstituted or substituted C_1-C_6 heteroalkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, unsubstituted or substituted C_2-C_7 heterocycloalkyl, unsubstituted or substituted phenyl, unsubstituted or substituted monocyclic heteroaryl, and unsubstituted or substituted bicyclic heteroaryl, wherein any substituted group of R^d is substituted with one or more R^6 groups; and

R^e and R^f are independently selected from the group consisting of hydrogen, halogen, -OR^4, -CN, -$N(R^4)_2$, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, and unsubstituted or substituted C_1-C_6 heteroalkyl;

wherein, if R^d, R^e, or R^f is attached to the N atom of a heteroaryl, then it is hydrogen, -$C(=O)R^7$, or unsubstituted or substituted C_1-C_6 alkyl.

19. The compound of any one of claims 1-16, or a pharmaceutically acceptable salt thereof, wherein:

R^a is selected from the group consisting of hydrogen, F, Cl, Br, -CN, -OH, -OCH_3, -OCH_2CH_3, -$C(O)CH_3$, -$C(O)CH_2CH_3$, -CH_3, -CH_2CH_3, -$CH_2CH_2CH_3$, -$CH(CH_3)_2$, -$CH_2CH_2CH_2CH_3$, -$CH_2CH(CH_3)_2$, -$CH(CH_3)(CH_2CH_3)$, -$C(CH_3)_3$, -$CH_2CH_2CH(CH_3)_2$, -CH_2OH, -CH_2CN, -CH_2F, -CHF_2, -CF_3, -CH_2CH_2OH, -CH_2CH_2CN, -CH_2CH_2F, -CH_2CHF_2, -CH_2CF_3, -CH_2OCH_3, -$CH_2CH_2OCH_3$, -CH_2NH_2, -CH_2NHCH_3, -$CH_2N(CH_3)_2$, -$CH_2CH_2NH_2$, -$CH_2CH_2NHCH_3$, -$CH_2CH_2N(CH_3)_2$, cyclopropyl, cyclobutyl, cyclopentyl, and cyclohexyl; and

R^b and R^c are independently selected from the group consisting of hydrogen, F, Cl, Br, -CN, -OH, -OCH_3, -OCH_2CH_3, -$C(O)CH_3$, -$C(O)CH_2CH_3$, -CH_3, -CH_2CH_3, -$CH_2CH_2CH_3$, -$CH(CH_3)_2$, -$CH_2CH_2CH_2CH_3$, -$CH_2CH(CH_3)_2$, -$CH(CH_3)(CH_2CH_3)$, -$C(CH_3)_3$, -$CH_2CH_2CH(CH_3)_2$, -CH_2OH, -CH_2CN, -CH_2F, -CHF_2, -CF_3, -CH_2CH_2OH, -CH_2CH_2CN, -CH_2CH_2F, -CH_2CHF_2, -CH_2CF_3, -CH_2OCH_3, -$CH_2CH_2OCH_3$, -CH_2NH_2, -CH_2NHCH_3, -$CH_2N(CH_3)_2$, -$CH_2CH_2NH_2$, -$CH_2CH_2NHCH_3$, and -$CH_2CH_2N(CH_3)_2$;

wherein, if R^a, R^b, or R^c is attached to the N atom of a heteroaryl, then it is hydrogen, -$C(O)CH_3$, -$C(O)CH_2CH_3$, -CH_3, -CH_2CH_3, -$CH_2CH_2CH_3$, -$CH(CH_3)_2$, -$CH_2CH_2CH_2CH_3$, -$CH_2CH(CH_3)_2$, -$CH(CH_3)(CH_2CH_3)$, -$C(CH_3)_3$, -$CH_2CH_2CH(CH_3)_2$, -CH_2OH, -CH_2CN, -CH_2F, -CHF_2, -CF_3, -CH_2CH_2OH, -CH_2CH_2CN, -CH_2CH_2F, -CH_2CHF_2, -CH_2CF_3, -CH_2OCH_3, -$CH_2CH_2OCH_3$, -CH_2NH_2, -CH_2NHCH_3, -$CH_2N(CH_3)_2$, -$CH_2CH_2NH_2$, -$CH_2CH_2NHCH_3$, and -$CH_2CH_2N(CH_3)_2$;

R^d is selected from the group consisting of hydrogen, F, Cl, Br, -CN, -OH, -OCH_3, -OCH_2CH_3, -CH_3, -CH_2CH_3, -$CH_2CH_2CH_3$, -$CH(CH_3)_2$, -$CH_2CH_2CH_2CH_3$, -$CH_2CH(CH_3)_2$, -$CH(CH_3)(CH_2CH_3)$, -$C(CH_3)_3$, -$CH_2CH_2CH(CH_3)_2$, -CH_2OH, -CH_2CN, -CH_2F, -CHF_2, -CF_3, -CH_2CH_2OH, -CH_2CH_2CN, -CH_2CH_2F, -CH_2CHF_2, -CH_2CF_3, -CH_2OCH_3, -$CH_2CH_2OCH_3$, -CH_2NH_2, -CH_2NHCH_3, -$CH_2N(CH_3)_2$, -$CH_2CH_2NH_2$, -$CH_2CH_2NHCH_3$, -$CH_2CH_2N(CH_3)_2$, unsubstituted or substituted cyclopropyl, unsubstituted or substituted cyclobutyl, unsubstituted or substituted cyclopentyl, unsubstituted or substituted cyclohexyl, unsubstituted or substituted C_2-C_7 heterocycloalkyl, unsubstituted or substituted phenyl, unsubstituted or substituted monocyclic heteroaryl, and unsubstituted or substituted bicyclic heteroaryl, wherein any substituted group of R^d is substituted with one or more R^6 groups; and

R^e and R^f are independently selected from the group consisting of hydrogen, F, Cl, Br, -CH_3, -CH_2CH_3, -$CH_2CH_2CH_3$, -$CH(CH_3)_2$, -$CH_2CH_2CH_2CH_3$, -$CH_2CH(CH_3)_2$, -$CH(CH_3)(CH_2CH_3)$, -$C(CH_3)_3$, -$CH_2CH_2CH(CH_3)_2$, -CH_2OH, -CH_2CN, -CH_2F, -CHF_2, -CF_3, -CN, -OH, -OCH_3, and -OCH_2CH_3;

wherein, if R^d, R^e, or R^f is attached to the N atom of a heteroaryl, then it is hydrogen, -$C(O)CH_3$, -$C(O)CH_2CH_3$, -CH_3, -CH_2CH_3, -$CH_2CH_2CH_3$, -$CH(CH_3)_2$, -$CH_2CH_2CH_2CH_3$, -$CH_2CH(CH_3)_2$, -$CH(CH_3)(CH_2CH_3)$, -$C(CH_3)_3$, -$CH_2CH_2CH(CH_3)_2$, -CH_2OH, -CH_2CN, -CH_2F, -CHF_2, -CF_3, -CH_2CH_2OH, -CH_2CH_2CN, -CH_2CH_2F, -CH_2CHF_2, -CH_2CF_3, -CH_2OCH_3, -$CH_2CH_2OCH_3$, -CH_2NH_2, -CH_2NHCH_3, -$CH_2N(CH_3)_2$, -$CH_2CH_2NH_2$, -$CH_2CH_2NHCH_3$, and -$CH_2CH_2N(CH_3)_2$.

20. The compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein:

R^A is unsubstituted or substituted 6-membered or 5-membered heteroaryl containing 1 or 2 N atoms or unsubstituted or substituted phenyl, wherein if R^A is substituted then R^A is substituted with 1, or 2 groups selected from R^a, R^b, and R^c;

R^a is selected from the group consisting of hydrogen, halogen, -OR^4, -CN, -$N(R^4)_2$, -$C(=O)R^7$, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6

fluoroalkyl, unsubstituted or substituted C_1-C_6 heteroalkyl, and unsubstituted or substituted C_3-C_6 cycloalkyl, wherein any substituted group of R^a is substituted with one or more R^6 groups;

R^b and R^c are independently selected from the group consisting of hydrogen, halogen, -OR^4, -CN, -$N(R^4)_2$, -$C(=O)R^7$, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, and unsubstituted or substituted C_1-C_6 heteroalkyl, wherein any substituted group of R^b and R^c is substituted with one or more R^6 groups;

wherein, if R^a, R^b, or R^c is attached to the N atom of a heteroaryl, then it is hydrogen, -$C(=O)R^7$, or unsubstituted or substituted C_1-C_6 alkyl;

R^d is selected from the group consisting of hydrogen, halogen, -OR^4, -CN, -$N(R^4)_2$, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, unsubstituted or substituted C_1-C_6 heteroalkyl, unsubstituted or substituted C_3-C_6 cycloalkyl, unsubstituted or substituted C_2-C_7 heterocycloalkyl, unsubstituted or substituted phenyl, unsubstituted or substituted monocyclic heteroaryl, and unsubstituted or substituted bicyclic heteroaryl, wherein any substituted group of R^d is substituted with one or more R^6 groups;

R^e and R^f are independently selected from the group consisting of hydrogen, halogen, -OR^4, -CN, -$N(R^4)_2$, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, and unsubstituted or substituted C_1-C_6 heteroalkyl;

wherein, if R^d, R^e, or R^f is attached to the N atom of a heteroaryl, then it is hydrogen, -$C(=O)R^7$, or unsubstituted or substituted C_1-C_6 alkyl;

X^1 is CR^{11} or N;

X^2 is CR^{12} or N;

X^3 is CR^{13} or N;

X^4 is CR^{14} or N;

R^{11}, R^{12}, R^{13}, and R^{14} are each independently hydrogen, halogen, C_1-C_6 alkyl, C_1-C_6 fluoroalkyl, or C_1-C_6 heteroalkyl, -CN, -OR^4, or -$N(R^4)_2$;

M is *-NR^3-(C=O)- or *-(C=O)-NR^3-, wherein * indicates the attachment point to R^1;

R^1 is unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 heteroalkyl containing 1 N atom, wherein any substituted group of R^1 is substituted with one or more halogen, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted monocyclic heterocycle, -$N(R^4)_2$, -OR^5, -CN, -CO_2R^5, -$C(=O)N(R^4)_2$, -SR^5, -$S(=O)R^7$, -$S(=O)_2R^7$, -$NR^4C(=O)R^5$, -$NR^4SO_2R^7$, -SO_2R^7, or -$SO_2N(R^4)_2$;

or R^1 is unsubstituted or substituted monocyclic 4-, 5- or 6-membered heterocycle containing 1-4 N atoms and 0 or 1 O or S atoms;

or R^1 is unsubstituted or substituted bridged C_2-C_7 heterocycloalkyl containing 1-2 N atoms;

or R^1 is unsubstituted or substituted -(C_1-C_6 alkyl)-(C_2-C_7 heterocycloalkyl), wherein the heterocycloalkyl is an unsubstituted or substituted monocyclic 4-, 5- or 6-membered heterocycloalkyl containing 1-2 N atoms.

21. The compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein:

R^A is unsubstituted or substituted pyridinyl, unsubstituted or substituted phenyl, or unsubstituted or substituted pyrrolyl, wherein if R^A is substituted then R^A is substituted with 1, or 2 groups selected from R^a, R^b, and R^c;

R^B is unsubstituted or substituted phenyl or unsubstituted or substituted pyridinyl, wherein if R^B is substituted then R^B is substituted with 1, 2, or 3 groups selected from R^d, R^e, and R^f;

X^1 is CH or N;

X^2 is CH or N;

X^3 is CR^{13} or N;

X^4 is CH or N;

M is *-NR^3-(C=O)- or *-(C=O)-NR^3-, wherein * indicates the attachment point to R^1;

R^{11}, R^{12}, R^{13}, and R^{14} are each independently hydrogen, F, Cl, -CH_3, CF_3, -CN, -OR^4, or -$N(R^4)_2$;

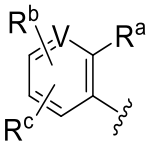
R^1 is unsubstituted or substituted C_1-C_6 heteroalkyl containing 1 N atom, wherein any substituted group of R^1 is substituted with one or more halogen, C_1-C_4 alkyl, -$N(R^4)_2$, or -OR^5;

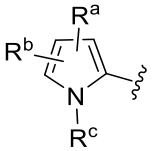
or R^1 is unsubstituted or substituted azetidinyl, unsubstituted or substituted pyrrolidinyl, or unsubstituted or substituted piperidinyl;

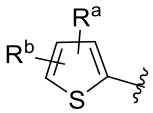
or R^1 is unsubstituted or substituted bridged C_2-C_7 heterocycloalkyl containing 1-2 N atoms;

or R^1 is unsubstituted or substituted -(C_1-C_6 alkyl)-(C_2-C_7 heterocycloalkyl), wherein the heterocycloalkyl is an unsubstituted or substituted monocyclic 4-, 5- or 6-membered heterocycloalkyl containing 1-2 N atoms.

22. The compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein:

R^A is 

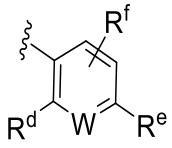
, or R^A is 

; or R^A is 

; where V is CH or N;

R^a is selected from the group consisting of hydrogen, halogen, -OR^4, -CN, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, and unsubstituted or substituted C_3-C_6 cycloalkyl; and

R^b and R^c are independently selected from the group consisting of hydrogen, halogen, -OR^4, -CN, unsubstituted or substituted C_1-C_6 alkyl, and unsubstituted or substituted C_1-C_6 fluoroalkyl;

R^B is , where W is CH or N;

R^d is selected from the group consisting of hydrogen, halogen, -OR^4, -CN, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 fluoroalkyl, and unsubstituted or substituted C_3-C_6 cycloalkyl; and

R^e and R^f are independently selected from the group consisting of hydrogen, halogen, -OR^4, -CN, unsubstituted or substituted C_1-C_6 alkyl, and unsubstituted or substituted C_1-C_6 fluoroalkyl;

X^1 is CH, CF, or N;

X^2 is CH, CF, or N;

X^3 is CH, CF, or N;

X^4 is CH, CF, or N;

M is *-NH-(C=O)- or *-(C=O)-NH-, wherein * indicates the attachment point to R^1;

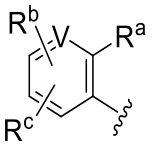
R^1 is unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 heteroalkyl containing 1 N atom, wherein any substituted group of R^1 is substituted with one or more halogen, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted monocyclic heterocycle, -$N(R^4)_2$, -OR^5, -CN, -CO_2R^5, -$C(=O)N(R^4)_2$, -SR^5, -$S(=O)R^7$, -$S(=O)_2R^7$, -$NR^4C(=O)R^5$, -$NR^4SO_2R^7$, -SO_2R^7, or -$SO_2N(R^4)_2$;

or R^1 is unsubstituted or substituted monocyclic 4-, 5- or 6-membered heterocycle containing 1-4 N atoms and 0 or 1 O or S atoms;

or R^1 is unsubstituted or substituted bridged C_2-C_7 heterocycloalkyl containing 1-2 N atoms;

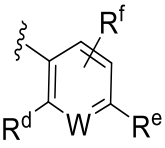
or R^1 is unsubstituted or substituted -(C_1-C_6 alkyl)-(C_2-C_7 heterocycloalkyl), wherein the heterocycloalkyl is an unsubstituted or substituted monocyclic 4-, 5- or 6-membered heterocycloalkyl containing 1-2 N atoms.

23. The compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein:

R^A is , where V is CH or N;

R^a is selected from the group consisting of hydrogen, F, Cl, Br, -CN, -OCH_3, -OCH_2CH_3, -CH_3, -CH_2CH_3, -$CH_2CH_2CH_3$, -$CH(CH_3)_2$, -$CH_2CH_2CH_2CH_3$, -$CH_2CH(CH_3)_2$, -$CH(CH_3)(CH_2CH_3)$, -$C(CH_3)_3$, -CH_2F, -CHF_2, and -CF_3; and

R^b and R^c are independently selected from the group consisting of hydrogen, F, Cl, -CH_3, -CH_2F, -CHF_2, -CF_3, -CN, and -OCH_3;

R^B is , where W is CH or N;

R^d is selected from the group consisting of hydrogen, F, Cl, Br, -CN, -OCH_3, -OCH_2CH_3, -CH_3, -CH_2CH_3, -$CH_2CH_2CH_3$, -$CH(CH_3)_2$, -$CH_2CH_2CH_2CH_3$, -$CH_2CH(CH_3)_2$, -$CH(CH_3)(CH_2CH_3)$, -$C(CH_3)_3$, -CH_2F, -CHF_2, and -CF_3;

R^e and R^f are independently selected from the group consisting of hydrogen, F, Cl, Br, -CH_3, -CH_2F, -CHF_2, -CF_3, -CN, -OH, and -OCH_3;

X^1 is CH or N;

X^2 is CH or N;

X^3 is CH, CF, or N;

X^4 is CH or N;

M is *-NH-(C=O)- or *-(C=O)-NH-, wherein * indicates the attachment point to R^1;

R^1 is unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted C_1-C_6 heteroalkyl containing 1 N atom, wherein any substituted group of R^1 is substituted with one or more halogen, unsubstituted or substituted C_1-C_6 alkyl, unsubstituted or substituted monocyclic heterocycle, -$N(R^4)_2$, -OR^5, -CN, -CO_2R^5, -$C(=O)N(R^4)_2$, -SR^5, -$S(=O)R^7$, -$S(=O)_2R^7$, -$NR^4C(=O)R^5$, -$NR^4SO_2R^7$, -SO_2R^7, or -$SO_2N(R^4)_2$;

or R^1 is unsubstituted or substituted monocyclic 4-, 5- or 6-membered heterocycle containing 1-4 N atoms and 0 or 1 O or S atoms;

or R^1 is unsubstituted or substituted bridged C_2-C_7 heterocycloalkyl containing 1-2 N atoms;

or R^1 is unsubstituted or substituted -(C_1-C_6 alkyl)-(C_2-C_7 heterocycloalkyl), wherein the heterocycloalkyl is an unsubstituted or substituted monocyclic 4-, 5- or 6-membered heterocycloalkyl containing 1-2 N atoms.

24. The compound of any one of claims 1-23, or a pharmaceutically acceptable salt thereof, wherein:

R^1 is unsubstituted or substituted C_1-C_6 heteroalkyl containing 1 N atom, wherein any substituted group of R^1 is substituted with one or more halogen, C_1-C_4 alkyl, -$N(R^4)_2$, or -OR^5;

or R^1 is unsubstituted or substituted azetidinyl, unsubstituted or substituted pyrrolidinyl, or unsubstituted or substituted piperidinyl;

or R^1 is unsubstituted or substituted -(C_1-C_6 alkyl)-(C_2-C_7 heterocycloalkyl), wherein the C_2-C_7 heterocycloalkyl is an unsubstituted or substituted azetidinyl, unsubstituted or substituted pyrrolidinyl, or unsubstituted or substituted piperidinyl.

25. The compound of any one of claims 1-24, or a pharmaceutically acceptable salt thereof, wherein:

R^1 is unsubstituted or substituted azetidinyl, unsubstituted or substituted pyrrolidinyl, or unsubstituted or substituted piperidinyl;

or R^1 is unsubstituted or substituted C_1-C_6 heteroalkyl containing 1 N atom, wherein if R^1 is unsubstituted or substituted then it is substituted with one or more halogen, C_1-C_4 alkyl, -$N(R^4)_2$, or -OR^5.

26. A compound that is:

1-1: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-2: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]-N-[(3R)-pyrrolidin-3-yl]piperidine-4-carboxamide;

1-3: N-(2-aminoethyl)-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidine-4-carboxamide;

1-4: N-[(2R)-2-aminopropyl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidine-4-carboxamide;

1-5: N-(3-aminopropyl)-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidine-4-carboxamide;

1-6: N-[(2S)-2-aminopropyl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidine-4-carboxamide;

1-7: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-8: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidine-4-carboxamide;

1-9: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-10: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3R)-pyrrolidin-3-yl]piperidine-4-carboxamide;

1-11: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-12: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-pyrrolidin-3-yl]piperidine-4-carboxamide;

1-13: N-(2-aminoethyl)-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-14: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-15: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-16: N-[(2S)-2-aminopropyl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-17: N-[(2R)-2-amino-3-hydroxypropyl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-18: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(1-methylazetidin-3-yl)methyl]piperidine-4-carboxamide;

1-19: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-(1-methylazetidin-3-yl)piperidine-4-carboxamide;

1-20: N-[(3S)-1-azabicyclo[2.2.2]octan-3-yl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-21: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[3,3'-bipyridin]-6-yl}-N-[(3R)-pyrrolidin-3-yl]piperidine-4-carboxamide;

1-22: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[3,3'-bipyridin]-6-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-23: 1-[2-cyano-6-(trifluoromethyl)pyridin-3-yl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-24: 1-[2-cyano-6-(trifluoromethyl)pyridin-3-yl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-25: 3-(4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-4-{[(3R)-1-methylpyrrolidin-3-yl]carbamoyl}piperidin-1-yl)-6-(trifluoromethyl)pyridine-2-carboxamide;

1-26: 1-[2-cyano-6-(trifluoromethyl)pyridin-3-yl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-27: 3-(4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-4-{[(3S)-1-methylpyrrolidin-3-yl]carbamoyl}piperidin-1-yl)-6-(trifluoromethyl)pyridine-2-carboxamide;

1-28: N-[(2S)-2-amino-3-hydroxypropyl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-29: 1-[2-chloro-6-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-30: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-31: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-32: 1-(2-cyanophenyl)-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-33: 4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]-1-[4-(trifluoromethyl)phenyl]piperidine-4-carboxamide;

1-34: 1-(4-chloro-2-cyanophenyl)-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-35: 4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]-1-[5-(trifluoromethyl)pyridin-2-yl]piperidine-4-carboxamide;

1-36: 1-(4-acetyl-2-cyanophenyl)-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-37: 1-[2-cyano-4-(difluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-38: 1-[4-cyano-2-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-39: 1-[2-cyano-4-(trifluoromethoxy)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-40: 1-(2,4-dicyanophenyl)-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-41: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S,4S)*-4-hydroxy-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-42: 1-[3-cyano-5-(trifluoromethyl)pyridin-2-yl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-43: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrazol-5-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-44: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(2R)-3-hydroxy-2-(methylamino)propyl]piperidine-4-carboxamide;

1-45: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2R)-2-(dimethylamino)-3-hydroxypropyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-46: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3R,4R)*-4-hydroxy-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-47: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(2S)-3-hydroxy-2-(methylamino)propyl]piperidine-4-carboxamide;

1-48: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2S)-2-(dimethylamino)-3-hydroxypropyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-51: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-(2-ethoxypyridin-3-yl)pyrazin-2-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-52: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-53: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2,3-dihydro-1-benzofuran-7-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-54: 4-[6-(1-benzofuran-7-yl)pyridin-3-yl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-55: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{6-[2-(hydroxymethyl)phenyl]pyridin-3-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-56: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxypyridin-3-yl)pyridazin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-57: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxypyridin-3-yl)pyridazin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-58: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-(2-ethoxypyridin-3-yl)pyrazin-2-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-59: 1-[2-cyano-4-(1,1-difluoroethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-60: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethylphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-61: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2,3-difluorophenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-62: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-ethyl-1H-pyrazol-5-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-63: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]-4-[6-(2-propoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-64: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(3-fluorophenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-65: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(3,5-difluorophenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-66: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methylphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-67: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2,2-difluoro-2H-1,3-benzodioxol-4-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-68: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2,5-difluorophenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-69: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxy-5-fluorophenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-70: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{6-[1-(3-methylbutyl)-1H-pyrazol-5-yl]pyridin-3-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-71: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]-4-{6-[2-(trifluoromethoxy)phenyl]pyridin-3-yl}piperidine-4-carboxamide;

1-72: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxy-3-fluorophenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-73: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-indazol-7-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-74: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-fluorophenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-75: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)-3-fluorophenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-76: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-N-(1-methylazetidin-3-yl)piperidine-4-carboxamide;

1-77: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]-4-{6-[2-(trifluoromethyl)phenyl]pyridin-3-yl}piperidine-4-carboxamide;

1-78: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-cyanophenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-79: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{6-[2-(methoxymethyl)phenyl]pyridin-3-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-80: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(3-methoxythiophen-2-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-81: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(5-fluoro-2-methoxyphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-82: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(3-fluoro-2-methoxyphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-83: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxythiophen-3-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-84: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{6-[2-(1,1-difluoroethyl)phenyl]pyridin-3-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-85: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[2'-(difluoromethoxy)-[2,3'-bipyridin]-5-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-86: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{5'-fluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-87: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(3,5-difluoro-2-methoxyphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-88: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-89: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-cyclopropoxyphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-90: 1-(4-chloro-2-cyanophenyl)-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-91: 1-(4-chloro-2-cyanophenyl)-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-92: 1-(4-chloro-2-cyanophenyl)-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-(1-methylazetidin-3-yl)piperidine-4-carboxamide;

1-93: 1-(4-chloro-2-cyanophenyl)-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-N-(1-methylazetidin-3-yl)piperidine-4-carboxamide;

1-94: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-(1-methylazetidin-3-yl)piperidine-4-carboxamide;

1-95: 1-(2,4-dichlorophenyl)-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-96: 1-(2-cyano-4-fluorophenyl)-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-97: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-98: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-99: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(5-fluoro-2-methylphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-100: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-101: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(3-fluoro-2-methoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-102: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(5-fluoro-2-methoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-103: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{5'-fluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-104: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethylphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-105: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(4-methylpyrimidin-5-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-106: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[2-(2-ethoxypyridin-3-yl)pyrimidin-5-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-107: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[2-(2-ethoxypyridin-3-yl)pyrimidin-5-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-108: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-109: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-110: 1-[2-cyano-6-(trifluoromethyl)pyridin-3-yl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-111: 1-(4-chloro-2-cyano-6-fluorophenyl)-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-112: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]-4-[6-(2-methylthiophen-3-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-113: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-cyclopropylphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-114: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{6-[2-(difluoromethoxy)phenyl]pyridin-3-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-115: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-3-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-116: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methylfuran-3-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-117: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]-4-[6-(2-propylphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-118: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethyl-[2,3'-bipyridin]-5-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-119: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxythiophen-3-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-120: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methylfuran-3-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-121: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-cyclopropylphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-122: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]-4-[6-(2-methylthiophen-3-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-123: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)-5-fluoropyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-124: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)-5-fluoropyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-125: 1-[2-cyano-6-(trifluoromethyl)pyridin-3-yl]-4-[6-(2-ethoxyphenyl)-5-fluoropyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-126: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-127: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-128: 1-[2-cyano-6-(trifluoromethyl)pyridin-3-yl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-129: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(3-fluoro-2-hydroxyphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-130: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxy-5-methylphenyl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-131: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{3-fluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-132: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{3-fluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-133: 1-[2-cyano-6-(trifluoromethyl)pyridin-3-yl]-4-{3-fluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-134: 1-(4-chloro-2-cyanophenyl)-4-[6-(2-ethoxyphenyl)pyridazin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-135: 1-(4-chloro-2-cyanophenyl)-4-[6-(2-ethoxyphenyl)pyridazin-3-yl]-N-(1-methylazetidin-3-yl)piperidine-4-carboxamide;

1-136: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridazin-3-yl]-N-(1-methylazetidin-3-yl)piperidine-4-carboxamide;

1-137: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{6-[2-(cyanomethyl)phenyl]pyridin-3-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-138: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]-4-[6-(4-methylthiophen-3-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-139: 1-(4-chloro-2-cyanophenyl)-4-[6-(2-ethoxypyridin-3-yl)pyridazin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-140: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxypyridin-3-yl)pyridazin-3-yl]-N-(1-methylazetidin-3-yl)piperidine-4-carboxamide;

1-141: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-142: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-143: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]-4-[6-(1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-144: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-145: 4-[6-(2-ethoxyphenyl)pyridin-3-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-146: 4-[6-(2-acetylthiophen-3-yl)pyridin-3-yl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-147: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethylthiophen-3-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-148: 4-[6-(2-cyano-3-fluorophenyl)pyridin-3-yl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-149: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(3-methyl-1,2-oxazol-4-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-150: 1-[3-chloro-5-(trifluoromethyl)pyridin-2-yl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-151: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{6-[2-(difluoromethyl)phenyl]pyridin-3-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-152: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3S)-pyrrolidin-3-yl]piperidine-4-carboxamide;

1-153: 4-[6-(5-cyano-1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-154: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-{5'-fluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-155: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(5-fluoro-2-methoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-156: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(2-ethylphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-157: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(5-methyl-1,2-oxazol-4-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-158: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-cyclopropyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-159: 4-[4-(2-ethoxypyridin-3-yl)phenyl]-1-[2-methoxy-4-(trifluoromethyl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-160: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-161: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-162: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-163: 1-(4-chloro-2-cyanophenyl)-4-[5-fluoro-6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-164: 4-[4-(2-ethoxypyridin-3-yl)phenyl]-1-[2-methyl-4-(trifluoromethyl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-165: 1-[3-chloro-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-166: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-167: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxythiophen-3-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-168: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridazin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-169: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridazin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-170: 1-(4-chloro-2-cyanophenyl)-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridazin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-171: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridazin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-172: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-{2'-ethyl-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-173: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-174: 4-[6-(2-ethoxyphenyl)pyridazin-3-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-175: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridazin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-176: 4-{[2,2'-bipyridin]-5-yl}-1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-177: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{3'-methyl-[2,2'-bipyridin]-5-yl}-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-178: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{3'-methoxy-[2,2'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-179: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-180: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-cyclopropyl-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-181: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[2'-(difluoromethyl)-[2,3'-bipyridin]-5-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-182: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(5-cyclopropyl-1,3-oxazol-4-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-183: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridazin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-184: ethyl (3S)-3-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-amido}pyrrolidine-1-carboxylate;

1-185: N-[(3S)-1-acetylpyrrolidin-3-yl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-186: 4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-187: N-[(3S)-1-azabicyclo[2.2.2]octan-3-yl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-188: N-[(3R)-1-azabicyclo[2.2.2]octan-3-yl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-189: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyquinolin-3-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-190: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-indol-7-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-191: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-indol-2-yl)pyridin-3-yl]-N-[(3R)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-192: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-193: 4-[6-(2-ethoxypyridin-3-yl)pyridazin-3-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-194: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxypyridin-3-yl)pyridazin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-195: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(5-fluoro-2-methoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-196: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-197: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]-N-[3-(methylamino)propyl]piperidine-4-carboxamide;

1-198: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-199: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[3-(dimethylamino)propyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-200: 4-[6-(2-ethoxyphenyl)-5-fluoropyridin-3-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-201: 4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-202: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)-5-fluoropyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-203: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-204: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(5-fluoro-2-methoxyphenyl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-205: N-(3-aminopropyl)-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-206: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[3-(methylamino)propyl]piperidine-4-carboxamide;

1-207: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[3-(dimethylamino)propyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-208: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-ethyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-209: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{3,5'-difluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-210: 4-{3,5'-difluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[(3S)-1-methylpyrrolidin-3-yl]piperidine-4-carboxamide;

1-211: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-[(1-methylazetidin-3-yl)methyl]piperidine-4-carboxamide;

1-212: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-213: N-{[(2S)-azetidin-2-yl]methyl}-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-214: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-215: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-216: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-217: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-{[(2S)-1-methylazetidin-2-yl]methyl}piperidine-4-carboxamide;

1-218: N-[(3S)-1-azabicyclo[2.2.2]octan-3-yl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-219: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-(1-methylazetidin-3-yl)piperidine-4-carboxamide;

1-220: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(1-methylazetidin-3-yl)methyl]piperidine-4-carboxamide;

1-221: N-{1-azabicyclo[2.2.1]heptan-4-yl}-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-222: N-[2-(dimethylamino)ethyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]piperidine-4-carboxamide;

1-223: 4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-224: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-225: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-226: N-[2-(dimethylamino)ethyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]piperidine-4-carboxamide;

1-227: 4-[6-(2-ethoxyphenyl)pyridin-3-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-228: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-229: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-{[(2S)-1-methylpyrrolidin-2-yl]methyl}piperidine-4-carboxamide;

1-230: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-231: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-{[(2R)-pyrrolidin-2-yl]methyl}piperidine-4-carboxamide;

1-232: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-{[(2R)-1-methylpyrrolidin-2-yl]methyl}piperidine-4-carboxamide;

1-233: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(1S,3S)-3-aminocyclobutyl]piperidine-4-carboxamide;

1-234: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(1R,3R)-3-aminocyclobutyl]piperidine-4-carboxamide;

1-235: N-{[(2S)-azetidin-2-yl]methyl}-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-236: N-{[(2R)-azetidin-2-yl]methyl}-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-237: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R,4S)-4-fluoropyrrolidin-3-yl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-238: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R,4R)-4-fluoropyrrolidin-3-yl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-239: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(1S,3S)-3-(dimethylamino)cyclobutyl]piperidine-4-carboxamide;

1-240: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(1R,3R)-3-(dimethylamino)cyclobutyl]piperidine-4-carboxamide;

1-241: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-{[(2S)-1-methylazetidin-2-yl]methyl}piperidine-4-carboxamide;

1-242: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R,4S)-4-fluoro-1-methylpyrrolidin-3-yl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-243: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R,4R)-4-fluoro-1-methylpyrrolidin-3-yl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-244: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-{[(2R)-1-methylazetidin-2-yl]methyl}piperidine-4-carboxamide;

1-245: N-[2-(azetidin-1-yl)ethyl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-246: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{[(2S,4S)-4-fluoropyrrolidin-2-yl]methyl}-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-247: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{[(2S,4R)-4-fluoropyrrolidin-2-yl]methyl}-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-248: N-[2-(azetidin-1-yl)ethyl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-249: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{[(2S,4S)-4-fluoro-1-methylpyrrolidin-2-yl]methyl}-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-250: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{[(2S,4R)-4-fluoro-1-methylpyrrolidin-2-yl]methyl}-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-251: rac-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(1S,2S,4R)-7-methyl-7-azabicyclo[2.2.1]heptan-2-yl]piperidine-4-carboxamide;

1-252: rac-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-[(1S,2S,4R)-7-methyl-7-azabicyclo[2.2.1]heptan-2-yl]piperidine-4-carboxamide;

1-253: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3S)-1,3-dimethylpyrrolidin-3-yl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-254: N-[2-(dimethylamino)ethyl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-255: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-256: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-257: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-258: rac-N-[(1R,2S)-2-aminocyclopropyl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-259: rac-N-[(1R,2R)-2-aminocyclopropyl]-1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-260: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2R)-1-(dimethylamino)propan-2-yl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-261: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2S)-1-(dimethylamino)propan-2-yl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-262: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{3-[(dimethylamino)methyl]oxetan-3-yl}-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-263: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{[1-(dimethylamino)cyclopropyl]methyl}-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-264: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3S,4S)-4-(dimethylamino)oxolan-3-yl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-265: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{2-[ethyl(methyl)amino]ethyl}-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-266: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{2-[cyclopropyl(methyl)amino]ethyl}-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-267: rac-1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3S,4R)-4-methoxy-1-methylpyrrolidin-3-yl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-268: rac-1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R,4R)-4-methoxy-1-methylpyrrolidin-3-yl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-269: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3R,4R)-4-hydroxy-1-methylpyrrolidin-3-yl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-270: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(3S,4S)-4-hydroxy-1-methylpyrrolidin-3-yl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-271: N-[2-(dimethylamino)ethyl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-272: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-273: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-274: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-275: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2R)-2-(dimethylamino)-3-hydroxypropyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-276: N-[2-(dimethylamino)ethyl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-277: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{[(2S,4S)-4-fluoro-1-methylpyrrolidin-2-yl]methyl}-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-278: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{[(2S,4R)-4-fluoro-1-methylpyrrolidin-2-yl]methyl}-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-279: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{[(2S)-4,4-difluoro-1-methylpyrrolidin-2-yl]methyl}-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-280: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-{[(2R)-4,4-difluoro-1-methylpyrrolidin-2-yl]methyl}-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-281: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-282: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-283: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-284: N-[2-(dimethylamino)ethyl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]piperidine-4-carboxamide;

1-285: N-[2-(dimethylamino)ethyl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-286: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidine-4-carboxamide;

1-287: 4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-288: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-289: N-[2-(dimethylamino)ethyl]-4-[6-(2-ethoxyphenyl)-5-fluoropyridin-3-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]piperidine-4-carboxamide;

1-290: 4-[6-(2-ethoxyphenyl)-5-fluoropyridin-3-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-291: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[6-(2-ethoxyphenyl)-5-fluoropyridin-3-yl]piperidine-4-carboxamide;

1-292: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)-5-fluoropyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-293: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-294: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-295: N-[(2S)-1-(dimethylamino)propan-2-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-296: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[(2S)-1-(dimethylamino)propan-2-yl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-297: N-[(2S)-1-(dimethylamino)propan-2-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-298: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-299: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-300: N-[2-(dimethylamino)ethyl]-4-{3-fluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]piperidine-4-carboxamide;

1-301: 4-{3-fluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-302: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-{3-fluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-303: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-{3-fluoro-2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-304: N-[2-(dimethylamino)ethyl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-305: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-306: 1-[2-fluoro-4-(trifluoromethyl)phenyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-307: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-308: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-309: 1-[2-chloro-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[5-fluoro-6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-310: 1-[2-chloro-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-311: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-N-[2-(methylamino)ethyl]piperidine-4-carboxamide;

1-312: N-[(2S)-1-(dimethylamino)propan-2-yl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]piperidine-4-carboxamide;

1-313: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2S)-1-(dimethylamino)propan-2-yl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-314: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-315: 4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-316: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-317: N-[(2S)-1-(dimethylamino)propan-2-yl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]piperidine-4-carboxamide;

1-318: 1-(2,4-dichlorophenyl)-N-[(2S)-1-(dimethylamino)propan-2-yl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-319: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2S)-1-(dimethylamino)propan-2-yl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-320: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-321: 4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-1-[2-fluoro-4-(trifluoromethyl)phenyl]-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-322: 1-(2,4-dichlorophenyl)-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-323: 1-(4-chloro-2-cyanophenyl)-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-324: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2S)-1-(dimethylamino)propan-2-yl]-4-[5-fluoro-6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidine-4-carboxamide;

1-325: 1-(4-chloro-2-cyanophenyl)-N-[(2S)-1-(dimethylamino)propan-2-yl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-326: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]-N-[(2S)-1-(methylamino)propan-2-yl]piperidine-4-carboxamide;

1-327: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-{[(2S)-4-methylmorpholin-2-yl]methyl}piperidine-4-carboxamide;

1-328: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-{[(3S)-4-methylmorpholin-3-yl]methyl}piperidine-4-carboxamide;

1-329: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-{[(3R)-4-methylmorpholin-3-yl]methyl}piperidine-4-carboxamide;

1-330: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]-N-{[(2R)-4-methylmorpholin-2-yl]methyl}piperidine-4-carboxamide;

1-331: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[2-(dimethylamino)ethyl]-4-[6-(2-ethoxypyridin-3-yl)pyridazin-3-yl]piperidine-4-carboxamide;

1-332: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2S)-2-(dimethylamino)propyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-333: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2R)-2-(dimethylamino)propyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-334: 1-[2-cyano-4-(trifluoromethyl)phenyl]-N-[(2R)-2-(dimethylamino)-3-hydroxypropyl]-4-{2'-ethoxy-3-fluoro-[2,3'-bipyridin]-5-yl}piperidine-4-carboxamide;

1-335: N-[2-(dimethylamino)ethyl]-4-[6-(2-ethoxypyridin-3-yl)pyridazin-3-yl]-1-[2-fluoro-4-(trifluoromethyl)phenyl]piperidine-4-carboxamide;

2-1: 2-{4-[2-(dimethylamino)ethoxy]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidin-1-yl}-5-(trifluoromethyl)benzonitrile;

2-2: 1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidin-4-yl N-[2-(dimethylamino)ethyl]carbamate;

2-3: 3-amino-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidin-4-yl}propanamide;

2-4: 3-amino-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}propanamide;

2-5: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-3-(methylamino)propanamide;

2-6: (3R)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}pyrrolidine-3-carboxamide;

2-7: (3R)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-1-methylpyrrolidine-3-carboxamidev;

2-8: (3S)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}pyrrolidine-3-carboxamide;

2-9: (3S)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-1-methylpyrrolidine-3-carboxamide;

2-10: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-3-(dimethylamino)propanamide;

2-11: (2S)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidin-4-yl}-1-methylpyrrolidine-2-carboxamide;

2-12: (3R)-1-methylpyrrolidin-3-yl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidin-4-yl}carbamate;

2-13: (3S)-1-methylpyrrolidin-3-yl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidin-4-yl}carbamate;

2-14: 2-(4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-4-[(2-hydroxyethyl)amino]piperidin-1-yl)-5-(trifluoromethyl)benzonitrile;

2-15: 2-(4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}-4-{[2-(methylamino)ethyl]amino}piperidin-1-yl)-5-(trifluoromethyl)benzonitrile;

2-16: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidin-4-yl}-1-methylazetidine-3-carboxamide;

2-17: (2R)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[4-(2-ethoxypyridin-3-yl)phenyl]piperidin-4-yl}-1-methylpyrrolidine-2-carboxamide;

2-18: (3S)-1-methylpyrrolidin-3-yl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}carbamate;

2-19: 1-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-3-[(3R)-1-methylpyrrolidin-3-yl]urea;

2-20: 1-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-3-[(3S)-1-methylpyrrolidin-3-yl]urea;

2-21: (3R)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-3-(methylamino)pyrrolidine-1-carboxamide;

2-22: (3R)-1-methylpyrrolidin-3-yl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}carbamate;

2-23: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-3-(methylamino)azetidine-1-carboxamide;

2-24: (3S)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-3-(methylamino)pyrrolidine-1-carboxamide;

2-25: N-[1-(4-chloro-2-cyanophenyl)-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidin-4-yl]-1-methylazetidine-3-carboxamide;

2-26: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-2-(dimethylamino)acetamide;

2-27: (3S)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidin-4-yl}-1-methylpyrrolidine-3-carboxamide;

2-28: (3S)-N-[1-(4-chloro-2-cyanophenyl)-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidin-4-yl]-1-methylpyrrolidine-3-carboxamide;

2-29: (3R)-N-[1-(4-chloro-2-cyanophenyl)-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidin-4-yl]-1-methylpyrrolidine-3-carboxamide;

2-30: N-[1-(4-chloro-2-cyanophenyl)-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidin-4-yl]-3-(dimethylamino)propanamide;

2-31: N-[1-(4-chloro-2-cyanophenyl)-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidin-4-yl]-2-(dimethylamino)acetamide;

2-32: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-1-methylazetidine-3-carboxamide;

2-33: (3R)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidin-4-yl}-1-methylpyrrolidine-3-carboxamide;

2-34: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidin-4-yl}-2-(dimethylamino)acetamide;

2-35: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidin-4-yl}-1-methylazetidine-3-carboxamide;

2-36: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxyphenyl)pyridin-3-yl]piperidin-4-yl}-3-(dimethylamino)propanamide;

2-37: N-[1-(4-chloro-2-cyanophenyl)-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl]-1-methylazetidine-3-carboxamide;

2-38: N-[1-(4-chloro-2-cyanophenyl)-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl]-2-(dimethylamino)acetamide;

2-39: (3S)-N-[1-(4-chloro-2-cyanophenyl)-4-{2'-ethoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl]-1-methylpyrrolidine-3-carboxamide;

2-40: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-{2'-methoxy-[2,3'-bipyridin]-5-yl}piperidin-4-yl}-1-methylazetidine-3-carboxamide;

2-41: (3R)-1-methylpyrrolidin-3-yl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidin-4-yl}carbamate;

2-42: (3S)-1-methylpyrrolidin-3-yl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidin-4-yl}carbamate;

2-43: 1-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidin-4-yl}-3-[(3S)-1-methylpyrrolidin-3-yl]urea;

2-44: (3S)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidin-4-yl}pyrrolidine-3-carboxamide;

2-45: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidin-4-yl}-1-methylazetidine-3-carboxamide;

2-46: (3S)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidin-4-yl}-1-methylpyrrolidine-3-carboxamide; and

2-47: (3R)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidin-4-yl}-1-methylpyrrolidine-3-carboxamide;

2-48: 1-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(1-methyl-1H-pyrrol-2-yl)pyridin-3-yl]piperidin-4-yl}-3-[(3R)-1-methylpyrrolidin-3-yl]urea;

2-49: (3S)-1-methylpyrrolidin-3-yl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}carbamate;

2-50: (3R)-1-methylpyrrolidin-3-yl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}carbamate;

2-51: 1-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-3-[(3S)-1-methylpyrrolidin-3-yl]urea;

2-52: 1-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-3-[(3R)-1-methylpyrrolidin-3-yl]urea;

2-53: (3S)-1-methylpyrrolidin-3-yl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}carbamate;

2-54: (3R)-1-methylpyrrolidin-3-yl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}carbamate;

2-55: 1-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-3-[(3S)-1-methylpyrrolidin-3-yl]urea;

2-56: 1-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-3-[(3R)-1-methylpyrrolidin-3-yl]urea;

2-57: 2-(dimethylamino)ethyl N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}carbamate;

2-58: 1-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-3-[2-(dimethylamino)ethyl]urea;

2-59: 1-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-3-(1-methylazetidin-3-yl)urea;

2-60: (3R)-N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-1-methylpyrrolidine-3-carboxamide;

2-61: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-2-(dimethylamino)acetamide;

2-62: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-3-(dimethylamino)propanamide;

2-63: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-3-(methylamino)propanamide;

2-64: N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[6-(2-ethoxypyridin-3-yl)pyridazin-3-yl]piperidin-4-yl}-3-(dimethylamino)propanamide;

or a pharmaceutically acceptable salt thereof.

27. A compound that is N-{1-[2-cyano-4-(trifluoromethyl)phenyl]-4-[5-fluoro-6-(2-methoxyphenyl)pyridin-3-yl]piperidin-4-yl}-3-(dimethylamino)propenamide (Compound **2-62**), or a pharmaceutically acceptable salt thereof.

28. A pharmaceutical composition comprising a compound of any one of claims 1-27, or a pharmaceutically acceptable salt thereof, and at least one pharmaceutically acceptable excipient.

29. Use of a compound of any one of claims 1-27, or a pharmaceutically acceptable salt thereof, in the manufacture of a medicament for treating a disease or condition in a mammal that would benefit from the modulation of melanocortin subtype-2 receptor (MC2R) activity; wherein the disease or condition comprises growth of fat pads in the collarbone, back of neck, face and trunk, excessive sweating, dilation of capillaries, thinning of the skin, muscle weakness, hirsutism, depression/anxiety, hypertension, osteoporosis, insulin resistance, hyperglycemia, and heart disease.

30. Use of a compound of any one of claims 1-27, or a pharmaceutically acceptable salt thereof, in the manufacture of a medicament for treating Cushing’s syndrome, ectopic Cushing's syndrome, congenital adrenal hyperplasia (CAH), or for reducing the secretion of adrenocorticotropic hormone (ACTH) in a mammal.

31. A compound of any one of claims 1-27, or a pharmaceutically acceptable salt thereof, for use in therapy.