



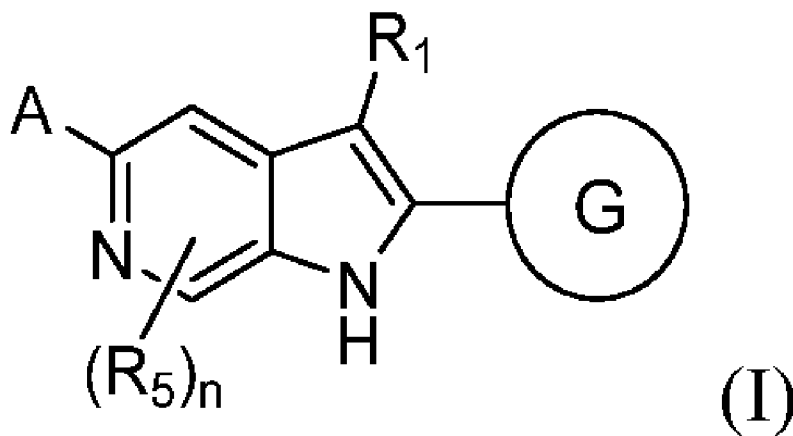
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(54) **Titre : COMPOSES DE 6-AZAINDOLE**
(54) **Title: 6-AZAINDOLE COMPOUNDS**



(57) **Abrégé/Abstract:**

Disclosed are compounds of Formula (I) N-oxides, or salts thereof, wherein A, G, R₁, R₅, and n are defined herein. Also disclosed are methods of using such compounds as inhibitors of signaling through Toll-like receptor 7, or 8, or 9, and pharmaceutical compositions comprising such compounds. These compounds are useful in treating inflammatory and autoimmune diseases.

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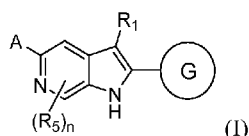
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(54) Title: 6-AZAINDOLE COMPOUNDS



(I)

(57) Abstract: Disclosed are compounds of Formula (I) N-oxides, or salts thereof, wherein A, G, R₁, R₅, and n are defined herein. Also disclosed are methods of using such compounds as inhibitors of signaling through Toll-like receptor 7, or 8, or 9, and pharmaceutical compositions comprising such compounds. These compounds are useful in treating inflammatory and autoimmune diseases.

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6-AZAINDOLE COMPOUNDS

CROSS REFERENCE

This application claims the benefit of U.S. Provisional Application Serial No.
5 62/607,507 filed December 19, 2017 which is incorporated herein in its entirety.

DESCRIPTION

The present invention generally relates to 6-azaindole compounds useful as
inhibitors of signaling through Toll-like receptor 7, 8, or 9 (TLR7, TLR8, TLR9) or
10 combinations thereof. Provided herein are 6-azaindole compounds, compositions
comprising such compounds, and methods of their use. The invention further pertains to
pharmaceutical compositions containing at least one compound according to the invention
that are useful for the treatment of conditions related to TLR modulation, such as
inflammatory and autoimmune diseases, and methods of inhibiting the activity of TLRs in
15 a mammal.

Toll/IL-1 receptor family members are important regulators of inflammation and
host resistance. The Toll-like receptor family recognizes molecular patterns derived from
infectious organisms including bacteria, fungi, parasites, and viruses (reviewed in Kawai,
T. et al., *Nature Immunol.*, 11:373-384 (2010)). Ligand binding to the receptor induces
20 dimerization and recruitment of adaptor molecules to a conserved cytoplasmic motif in
the receptor termed the Toll/IL-1 receptor (TIR) domain with the exception of TLR3, all
TLRs recruit the adaptor molecule MyD88. The IL-1 receptor family also contains a
cytoplasmic TIR motif and recruits MyD88 upon ligand binding (reviewed in Sims, J.E.
et al., *Nature Rev. Immunol.*, 10:89-102 (2010)).

25 Toll-like receptors (TLRs) are a family of evolutionarily conserved,
transmembrane innate immune receptors that participate in the first-line defense. As
pattern recognition receptors, the TLRs protect against foreign molecules, activated by
pathogen associated molecular patterns (PAMPs), or from damaged tissue, activated by
danger associated molecular patterns (DAMPs). A total of 13 TLR family members have
30 been identified, 10 in human, that span either the cell surface or the endosomal
compartment. TLR7/8/9 are among the set that are endosomally located and respond to
single-stranded RNA (TLR7 and TLR8) or unmethylated single-stranded DNA

containing cytosine–phosphate–guanine (CpG) motifs (TLR9).

Activation of TLR7/8/9 can initiate a variety of inflammatory responses (cytokine production, B cell activation and IgG production, Type I interferon response). In the case of autoimmune disorders, the aberrant sustained activation of TLR7/8/9 leads to

5 worsening of disease states. Whereas overexpression of TLR7 in mice has been shown to exacerbate autoimmune disease, knockout of TLR7 in mice was found to be protective against disease in lupus–prone MRL/lpr mice. Dual knockout of TLR7 and 9 showed further enhanced protection.

10 As numerous conditions may benefit by treatment involving modulation of cytokines, IFN production and B cell activity, it is immediately apparent that new compounds capable of modulating TLR7 and/or TLR8 and/or TLR9 and methods of using these compounds could provide substantial therapeutic benefits to a wide variety of patients.

15 The present invention relates to a new class of 6-azaindole compounds found to be effective inhibitors of signaling through TLR7/8/9. These compounds are provided to be useful as pharmaceuticals with desirable stability, bioavailability, therapeutic index, and toxicity values that are important to their drugability.

SUMMARY OF THE INVENTION

20 The present invention provides compounds of Formula (I) that are useful as inhibitors of signaling through Toll-like receptor 7, 8, or 9 and are useful for the treatment of proliferative diseases, allergic diseases, autoimmune diseases and inflammatory diseases, or stereoisomers, N-oxides, tautomers, pharmaceutically acceptable salts, solvates or prodrugs thereof.

25 The present invention also provides pharmaceutical compositions comprising a pharmaceutically acceptable carrier and at least one of the compounds of the present invention or stereoisomers, tautomers, pharmaceutically acceptable salts, solvates, or prodrugs thereof.

30 The present invention also provides a method for inhibition of Toll-like receptor 7, 8, or 9 comprising administering to a host in need of such treatment a therapeutically effective amount of at least one of the compounds of the present invention or stereoisomers, tautomers, pharmaceutically acceptable salts, solvates, or prodrugs thereof.

The present invention also provides a method for treating proliferative, metabolic, allergic, autoimmune and inflammatory diseases, comprising administering to a host in need of such treatment a therapeutically effective amount of at least one of the compounds of the present invention or stereoisomers, tautomers, pharmaceutically acceptable salts, solvates, or prodrugs thereof.

The present invention also provides a method of treating a disease or disorder associated with Toll-like receptor 7, 8, or 9 activity, the method comprising administering to a mammal in need thereof, at least one of the compounds of Formula (I) or salts, solvates, and prodrugs thereof.

The present invention also provides processes and intermediates for making the compounds of Formula (I) including salts, solvates, and prodrugs thereof.

The present invention also provides at least one of the compounds of Formula (I) or salts, solvates, and prodrugs thereof, for use in therapy.

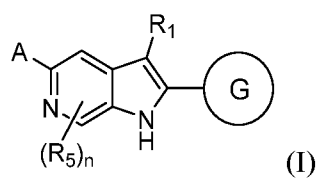
The present invention also provides the use of at least one of the compounds of Formula (I) or salts, solvates, and prodrugs thereof, for the manufacture of a medicament for the treatment of prophylaxis of Toll-like receptor 7, 8, or 9 related conditions, such as allergic disease, autoimmune diseases, inflammatory diseases, and proliferative diseases.

The compound of Formula (I) and compositions comprising the compounds of Formula (I) may be used in treating, preventing, or curing various Toll-like receptor 7, 8, or 9 related conditions. Pharmaceutical compositions comprising these compounds are useful for treating, preventing, or slowing the progression of diseases or disorders in a variety of therapeutic areas, such as allergic disease, autoimmune diseases, inflammatory diseases, and proliferative diseases.

These and other features of the invention will be set forth in expanded form as the disclosure continues.

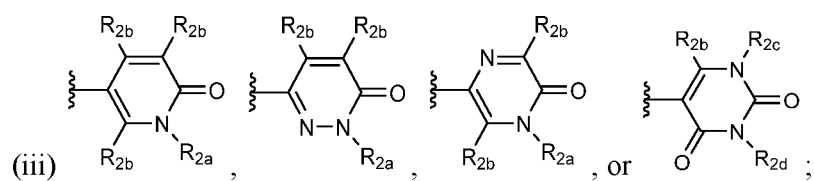
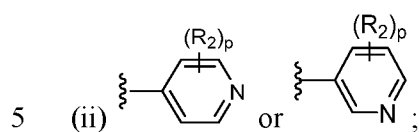
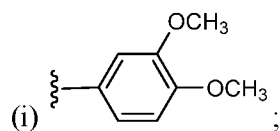
DETAILED DESCRIPTION

The first aspect of the present invention provides at least one compound of Formula (I):

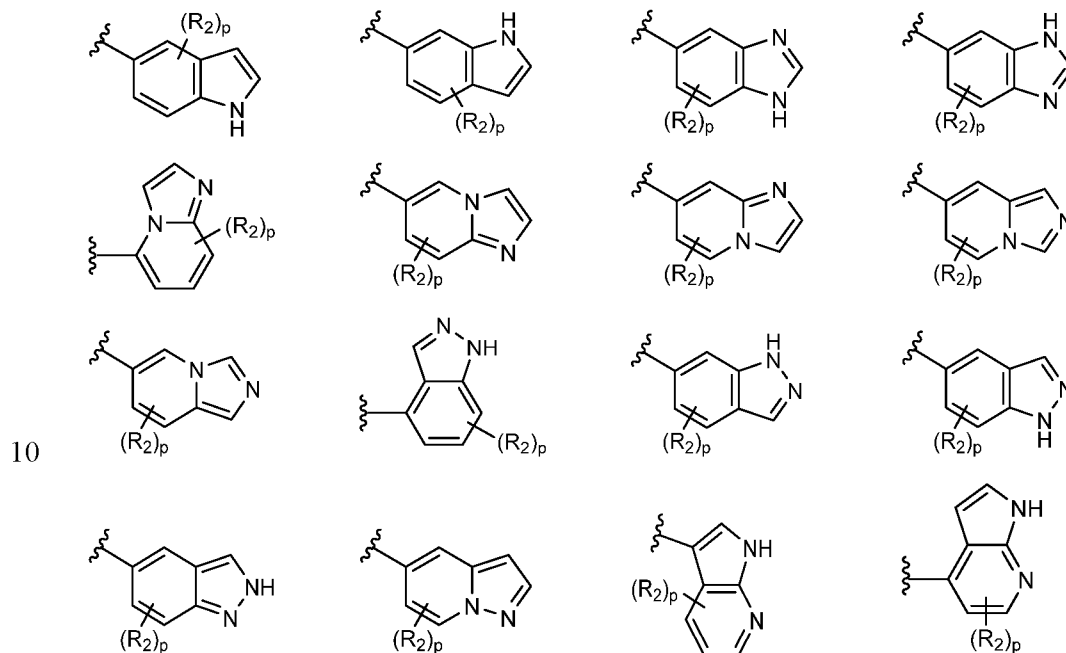


N-oxide, or a salt thereof, wherein:

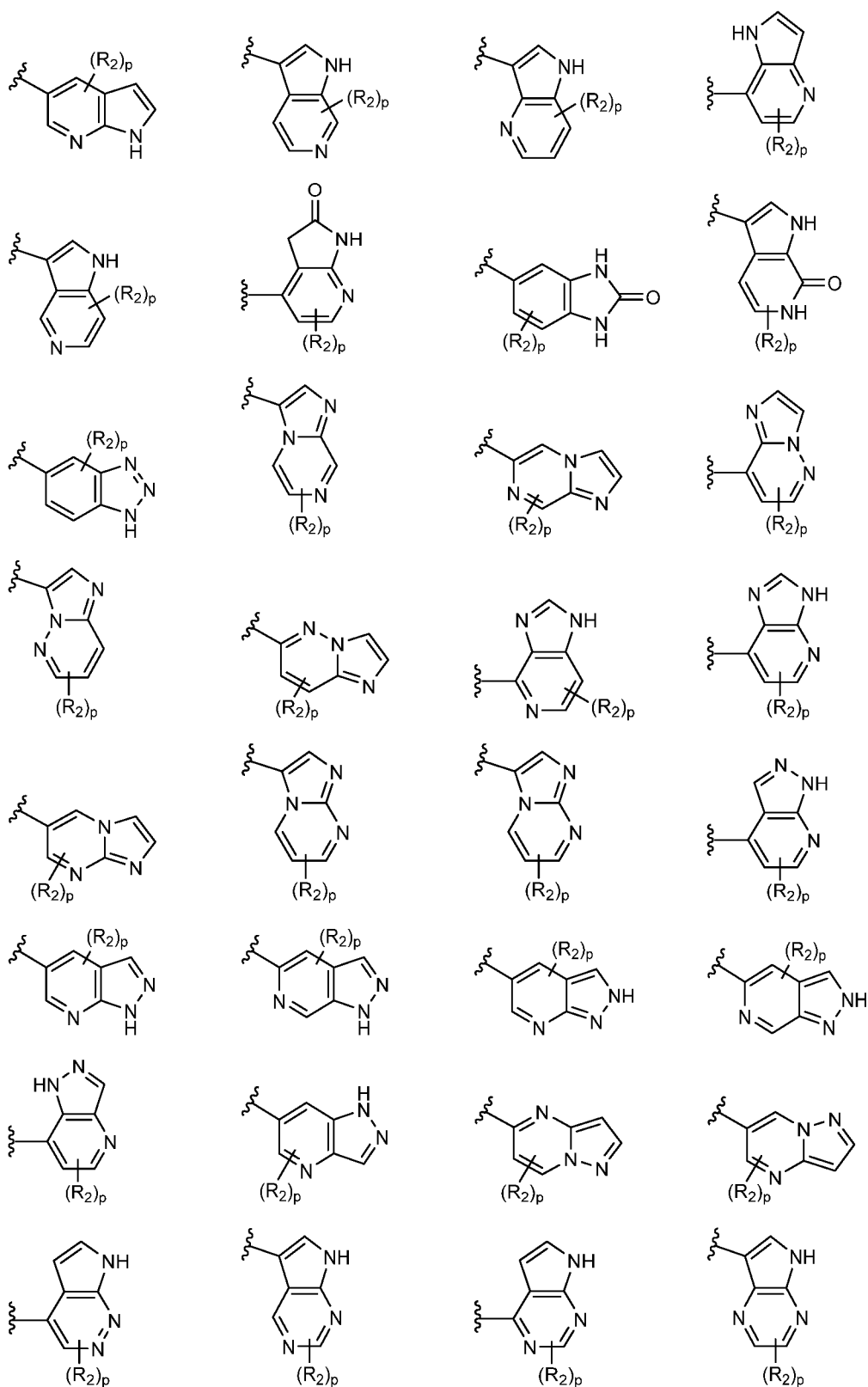
G is:



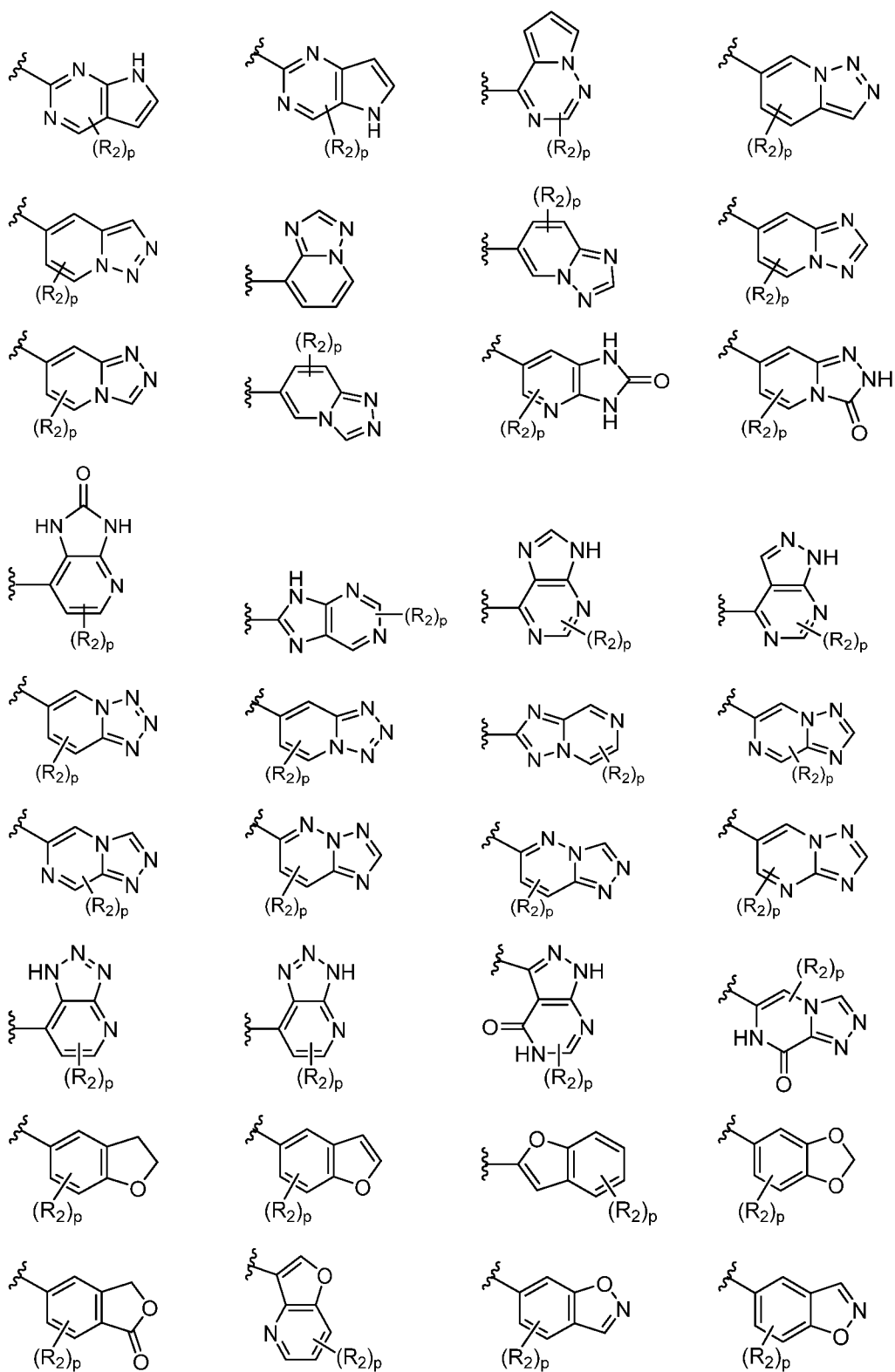
(iv) a 9-membered heterocyclic ring selected from:

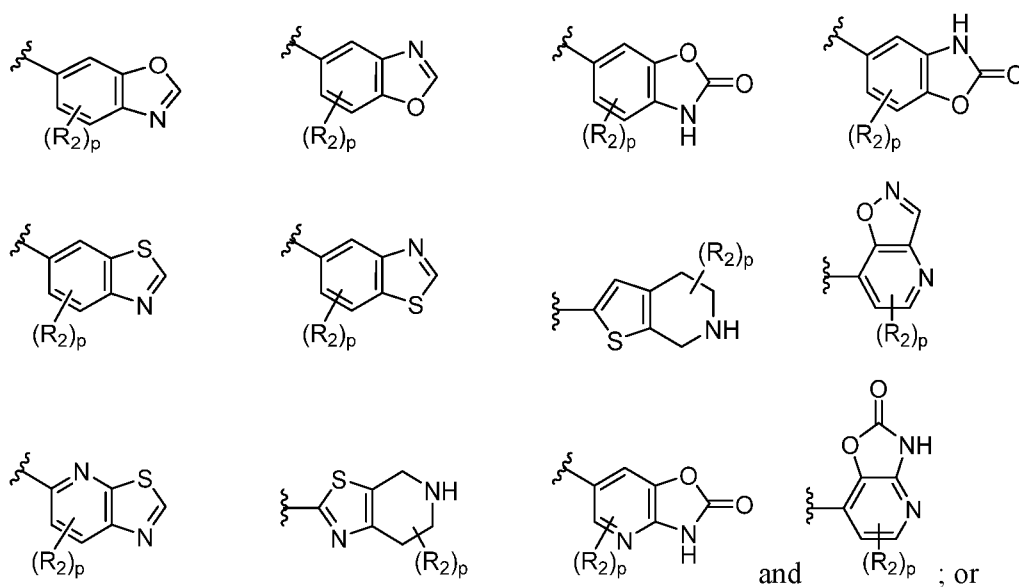


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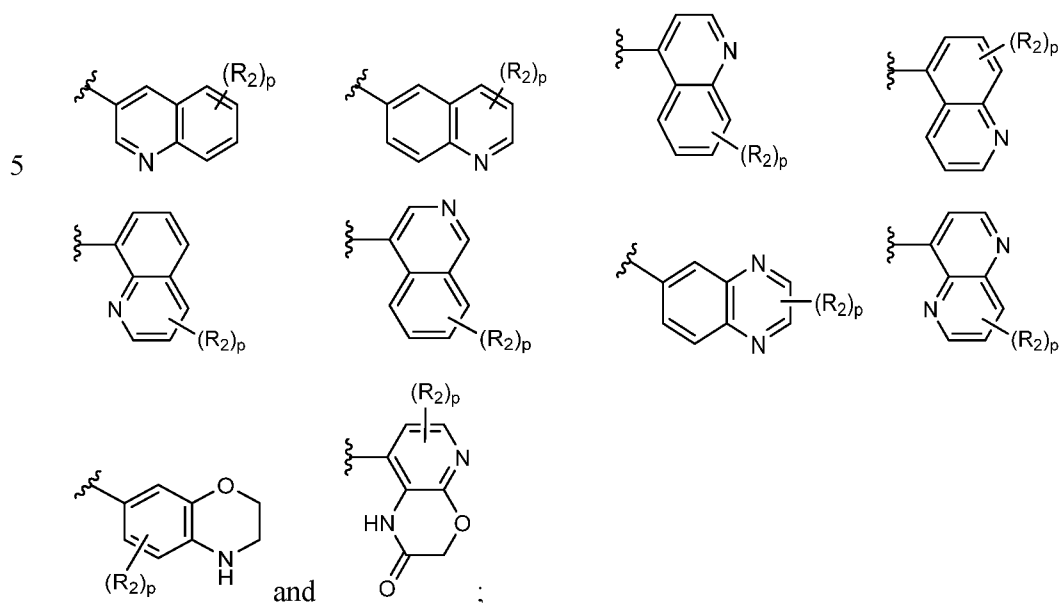


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(v) 10-membered heterocyclic ring selected from:



A is:

- (i) $-\text{O}-\text{L}_1-\text{R}_6$;
- 10 (ii) $-\text{NR}_7\text{R}_8$;
- (iii) $-\text{L}_2-\text{C}(\text{O})\text{NR}_9\text{R}_{10}$;
- (iv) $-(\text{CR}_x\text{R}_x)_{1-3}\text{R}_{11}$, C_{1-3} aminoalkyl, $-(\text{CR}_x\text{R}_x)_{1-3}\text{NR}_x\text{C}(\text{O})\text{R}_{11}$,
 $-(\text{CR}_x\text{R}_x)_{1-2}\text{NR}_x\text{C}(\text{O})(\text{CH}_2)_{1-2}(\text{piperidiny})$,
 $-(\text{CR}_x\text{R}_x)_{1-2}\text{NR}_x\text{C}(\text{O})\text{O}(\text{CH}_2)_{1-2}(\text{piperidiny})$, or



- (v) $-\text{CR}_x\text{R}_{12}\text{R}_{13}$, wherein R_{12} and R_{13} together with the carbon atom to which they are attached form a cyclic group selected from azabicyclo[4.1.1]octanyl, azepanyl, azetidiny, C_{3-7} cycloalkyl, diazepanyl, diazaspino[4.5]decanonyl, morpholinyl, octahydrocyclopenta[c]pyrrolyl, piperaziny, piperidiny, pyrrolidiny, and quinuclidiny, each substituted with zero to 4 R_{12a} ;
- (vi) $-\text{CR}_x=\text{CR}_x(\text{piperidiny})$; or
- (vii) an aromatic group selected from [1,2,4]triazolo[1,5-a]pyridiny, imidazo[1,2-a]pyridiny, imidazolyl, indazolyl, isoquinolinyl, oxadiazolyl, oxazolyl, phenyl, pyraziny, pyrazolo[3,4-b]pyridiny, pyrazolyl, pyridaziny, pyridiny, pyrimidinyl, pyrrolyl, quinolinonyl, quinolinyl, quinoxaliny, tetrahydro-[1,2,4]triazolo[1,5-a]pyraziny, tetrahydroimidazo[1,2-a]pyraziny, tetrahydroisoquinolinyl, tetrahydrothiazolo[5,4-c]pyridiny, tetrahydrothieno[2,3-c]pyridiny, thiadiazolyl, thiazolyl, thiooxadiazolyl, and triazolyl, each substituted with zero to 2 R_{14a} and zero to 3 R_{14b} ;
- L_1 is bond, $-(\text{CR}_x\text{R}_x)_{1-2}-$, $-(\text{CR}_x\text{R}_x)_{1-2}\text{CR}_x(\text{OH})-$, $-(\text{CR}_x\text{R}_x)_{1-2}\text{O}-$, $-\text{CR}_x\text{R}_x\text{C}(\text{O})-$, $-\text{CR}_x\text{R}_x\text{C}(\text{O})\text{NR}_x(\text{CR}_x\text{R}_x)_{0-4}-$, $-\text{CR}_x\text{R}_x\text{NR}_x\text{C}(\text{O})(\text{CR}_x\text{R}_x)_{0-4}-$, or $-\text{CR}_x\text{R}_x\text{NR}_x\text{C}(\text{O})(\text{CR}_x\text{R}_x)_{0-4}-$;
- L_2 is a bond or $-(\text{CR}_x\text{R}_x)_{1-3}-$;
- R_1 is H, Cl, $-\text{CN}$, C_{1-4} alkyl, C_{1-3} fluoroalkyl, C_{1-3} hydroxyalkyl, C_{1-3} hydroxy-fluoroalkyl, $-\text{CR}_v=\text{CH}_2$, C_{3-6} cycloalkyl, $-\text{CH}_2(\text{C}_{3-6}$ cycloalkyl), $-\text{C}(\text{O})\text{O}(\text{C}_{1-3}$ alkyl), or tetrahydropyrany;
- each R_2 is independently halo, $-\text{CN}$, $-\text{OH}$, $-\text{NO}_2$, C_{1-4} alkyl, C_{1-2} fluoroalkyl, C_{1-2} cyanoalkyl, C_{1-3} hydroxyalkyl, C_{1-3} aminoalkyl, $-\text{O}(\text{CH}_2)_{1-2}\text{OH}$, $-(\text{CH}_2)_{0-4}\text{O}(\text{C}_{1-4}$ alkyl), C_{1-3} fluoroalkoxy, $-(\text{CH}_2)_{1-4}\text{O}(\text{C}_{1-3}$ alkyl), $-\text{O}(\text{CH}_2)_{1-2}\text{OC}(\text{O})(\text{C}_{1-3}$ alkyl), $-\text{O}(\text{CH}_2)_{1-2}\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{O}(\text{C}_{1-3}$ alkyl), $-(\text{CH}_2)_{0-2}\text{C}(\text{O})\text{NR}_y\text{R}_y$, $-\text{C}(\text{O})\text{NR}_x(\text{C}_{1-5}$ hydroxyalkyl), $-\text{C}(\text{O})\text{NR}_x(\text{C}_{2-6}$ alkoxyalkyl), $-\text{C}(\text{O})\text{NR}_x(\text{C}_{3-6}$ cycloalkyl), $-\text{NR}_y\text{R}_y$, $-\text{NR}_y(\text{C}_{1-3}$ fluoroalkyl), $-\text{NR}_y(\text{C}_{1-4}$ hydroxyalkyl), $-\text{NR}_x\text{CH}_2(\text{phenyl})$, $-\text{NR}_x\text{S}(\text{O})_2(\text{C}_{3-6}$ cycloalkyl), $-\text{NR}_x\text{C}(\text{O})(\text{C}_{1-3}$ alkyl), $-\text{NR}_x\text{CH}_2(\text{C}_{3-6}$ cycloalkyl),

$-(CH_2)_{0-2}S(O)_2(C_{1-3} \text{ alkyl})$, $-(CH_2)_{0-2}(C_{3-6} \text{ cycloalkyl})$, $-(CH_2)_{0-2}(\text{phenyl})$,
 morpholinyl, dioxothiomorpholinyl, dimethyl pyrazolyl, methylpiperidinyl,
 methylpiperazinyl, amino-oxadiazolyl, imidazolyl, triazolyl, or $-C(O)(\text{thiazolyl})$;

5 R_{2a} is C_{1-6} alkyl, C_{1-3} fluoroalkyl, C_{1-6} hydroxyalkyl, C_{1-3} aminoalkyl, $-(CH_2)_{0-4}O(C_{1-3}$
 alkyl), C_{3-6} cycloalkyl, $-(CH_2)_{1-3}C(O)NR_xR_x$, $-CH_2(C_{3-6} \text{ cycloalkyl})$, $-CH_2(\text{phenyl})$,
 tetrahydrofuranyl, tetrahydropyranyl, or phenyl;

each R_{2b} is independently H, halo, $-CN$, $-NR_xR_x$, C_{1-6} alkyl, C_{1-3} fluoroalkyl, C_{1-3}
 hydroxyalkyl, C_{1-3} fluoroalkoxy, $-(CH_2)_{0-2}O(C_{1-3} \text{ alkyl})$, $-(CH_2)_{0-3}C(O)NR_xR_x$,
 $-(CH_2)_{1-3}(C_{3-6} \text{ cycloalkyl})$, $-C(O)O(C_{1-3} \text{ alkyl})$, $-C(O)NR_x(C_{1-3} \text{ alkyl})$,

10 $-CR_x=CR_xR_x$, or $-CR_x=CH(C_{3-6} \text{ cycloalkyl})$;

R_{2c} is R_{2a} or R_{2b} ;

R_{2d} is R_{2a} or R_{2b} ; provided that one of R_{2c} and R_{2d} is R_{2a} , and the other of R_{2c} and R_{2d} is
 R_{2b} ;

each R_5 is independently F, Cl, $-CN$, C_{1-3} alkyl, C_{1-2} fluoroalkyl, or $-OCH_3$;

15 R_6 is:

(i) $-CR_xR_xC(O)NR_x(CR_xR_x)_{1-3}OH$, $-CR_xR_xC(O)NR_x(CR_xR_x)_{1-2}NR_xR_x$, or
 $-CR_xR_xC(O)NR_x(CR_xR_x)_{1-2}CHFCR_xR_xOH$; or

20 (ii) azabicyclo[3.2.1]octanyl, azaspiro[5.5]undecanyl, azetidiny, C_{3-6} cycloalkyl,
 diazabicyclo[2.2.1]heptanyl, diazaspiro[3.5]nonanyl, morpholinyl,
 tetrahydrofuranyl, tetrahydropyranyl, octahydrocyclopenta[c]pyrrolyl, piperazinyl,
 piperidinyl, pyrrolidinyl, or quinuclidinyl, each substituted with zero to 3 R_{6a} ;

each R_{6a} is independently F, Cl, $-OH$, $-CN$, C_{1-6} alkyl, C_{1-4} fluoroalkyl, C_{1-6}

hydroxyalkyl, $-(CH_2)_{1-2}O(C_{1-3} \text{ alkyl})$, $-NR_xR_x$, $-(CH_2)_{1-2}NR_xR_x$,
 $-(CR_xR_x)_{1-2}S(O)_2(C_{1-3} \text{ alkyl})$, $-(CR_xR_x)_{1-2}C(O)NR_xR_x$, $-C(O)(CR_xR_x)_{1-2}NR_xR_x$,
 25 oxetanyl, tetrahydrofuranyl, tetrahydropyranyl, azetidiny, pyrrolidinyl, piperidinyl,
 isobutylpiperidinyl, piperazinyl, or $-O(\text{piperidinyl})$;

R_7 is:

(i) R_{7a} , $-CH_2R_{7a}$, $-C(O)R_{7a}$, $-C(O)CH(NH_2)R_{7a}$, $-C(O)(CH_2)_{1-3}NH_2$,
 $-C(O)CH(NH_2)(C_{1-4} \text{ alkyl})$, $-C(O)CH(NH_2)(CH_2)_{1-2}C(O)OH$,
 30 $-C(O)CH(NH_2)(CH_2)_{2-4}NH_2$, or $-C(O)CH(NH_2)(CH_2)_{1-3}C(O)NH_2$; or

(ii) C₃₋₆ cycloalkyl substituted with one substituent selected from

–NR_x(CH₂)₂₋₃NR_yR_y, –NR_x(methylpiperidinyl), –NR_x(CH₂)₂₋₃(morpholinyl), dimethylamino piperidinyl, and piperazinyl substituted with a substituent selected from C₁₋₄ alkyl, –C(O)CH₃, –(CH₂)₁₋₂OCH₃, –CH₂(methylphenyl),
 5 –(CH₂)₂₋₃(pyrrolidinyl), C₃₋₆ cycloalkyl, pyridinyl, and methylpiperidinyl;

R_{7a} is azaspiro[3.5]nonanyl, C₃₋₆ cycloalkyl, diazaspiro[3.5]nonanyl,

diazaspiro[5.5]undecanyl, diazepanyl, diazepanyl, morpholinyl, phenyl, piperazinyl, piperidinyl, pyrrolidinonyl, pyrrolidinyl, or pyrrolyl, each substituted with zero to 1 substituent selected from C₁₋₃ alkyl, –NH₂, methylpiperidinyl,

10 methylpyrrolidinyl, –OCH₂CH₂(pyrrolidinyl), and –OCH₂CH₂NHCH₂CH₃; and zero to 4 substituents selected from –CH₃;

R_{7b} is:

(i) C₁₋₆ alkyl, C₁₋₃ fluoroalkyl, C₁₋₃ cyanoalkyl, C₁₋₅ hydroxyalkyl, –(CH₂)₂₋₃C≡CH, –(CH₂)₁₋₂O(C₁₋₂ alkyl), –(CH₂)₁₋₂S(O)₂(C₁₋₂ alkyl), –(CH₂)₀₋₃NR_xR_y,

15 –CH₂C(O)NR_xR_x, –NR_yR_y, –NR_x(C₁₋₄ hydroxyalkyl), –NR_x(CR_xR_xCR_xR_xO(C₁₋₂ alkyl)), –NR_y(C₁₋₂ cyanoalkyl), –NR_x(C₁₋₂ fluoroalkyl), –NR_x(C₂₋₆ hydroxyfluoroalkyl), –NR_x(CH₂)₁₋₂C(O)NR_xR_x, –NR_x(CH₂)₁₋₃NR_xR_x, –NR_xCH₂CH₂NR_xR_x, –NR_xC(O)(CH₂)₁₋₂NR_xR_x, –O(CH₂)₁₋₃NR_xR_x, –C(O)(C₁₋₄ alkyl), –C(O)CH₂NR_xR_x, –S(O)₂(C₁₋₃ alkyl), –(CH₂)₁₋₂R_{7d}, –CR_xR_xC(O)R_{7d},
 20 –C(O)CR_xR_xR_{7d}, –NHR_{7d}, –NH(CH₂)₁₋₂R_{7d}, or –OR_{7d}; or

(ii) azepanyl, azetidiny, bicyclo[1.1.1]pentanyl, C₃₋₆ cycloalkyl, diazepanyl, dioxothiomorpholinyl, morpholinyl, oxaazaspiro[3.3]heptanyl, oxetanyl, piperazinonyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinonyl, pyrrolidinyl, tetrahydrofuranly, tetrahydroisoquinolinyl, or tetrahydropyranyl, each substituted
 25 with zero to 1 R_{8a} and zero to 3 R_{8b};

each R_{7c} is independently F, Cl, –CN, C₁₋₂ alkyl, –CF₃, or –CH₂CN;

R_{7d} is azaspiro[3.5]nonanyl, bicyclo[1.1.1]pentanyl, C₃₋₆ cycloalkyl, morpholinyl,

oxetanyl, phenyl, piperidinyl, pyrazolyl, pyrrolidinyl, tetrahydrofuranly, or tetrahydropyranyl, each substituted with zero to 1 substituent selected from C₁₋₃ alkyl,
 30 –NR_xR_x, –C(O)CH₃, methylpiperidinyl, methylpyrrolidinyl, tetramethylpiperidinyl,

–OCH₂CH₂(pyrrolidinyl), and –OCH₂CH₂NHCH₂CH₃; and zero to 4 substituents selected from –CH₃;

R₈ is H or C_{1–3} alkyl;

or R₇ and R₈ together with the nitrogen atom to which they are attached form a

- 5 heterocyclic ring selected from azetidiny, diazepanonyl, diazepanyl, diazaspiro[3.3]heptanyl, diazaspiro[3.5]nonanyl, diazaspiro[5.5]undecanyl, imidazolyl, imidazolidinonyl, octahydro-1H-pyrrolo[3,4-b]pyridinyl, piperazinyl, piperidinyl, pyrrolidinonyl, pyrrolidinyl, and pyrrolyl, wherein said heterocyclic ring is substituted with zero to 1 R_{7b} and zero to 2 R_{7c};

- 10 R_{8a} is –OH, C_{1–6} alkyl, C_{1–4} fluoroalkyl, C_{1–4} hydroxyalkyl, –(CH₂)_{1–2}O(C_{1–3} alkyl), –C(O)(C_{1–3} alkyl), –(CH₂)_{1–2}(C_{3–6} cycloalkyl), –(CH₂)_{1–3}(methyl phenyl), –(CH₂)_{1–3}(pyrrolidinyl), –(CH₂)_{1–3}(methylpyrazolyl), –(CH₂)_{1–3}(thiophenyl), –NR_xR_x, C_{3–6} cycloalkyl, methylpiperidinyl, pyridinyl, or pyrimidinyl;

each R_{8b} is independently F, Cl, –CN, C_{1–3} alkyl, or –CF₃;

- 15 R₉ is C_{1–6} alkyl, C_{1–6} hydroxyalkyl, C_{1–6} hydroxy fluoroalkyl, C_{1–3} aminoalkyl, –(CH₂)_{1–2}O(C_{1–3} alkyl), –(CH₂)_{1–3}NR_xR_x, –(CH₂)_{1–2}C(O)NR_xR_x, –(CH₂)_{1–3}S(O)₂OH, –(CR_xR_x)_{1–3}NR_xS(O)₂(C_{1–2} alkyl), or –(CH₂)_{0–3}R_{9a};

R_{9a} is C_{3–7} cycloalkyl, furanyl, phenyl, piperazinyl, piperidinyl, pyrazolyl, pyridinyl, pyrrolidinyl, quinuclidinyl, thiazolyl, or octahydrocyclopenta[c]pyrrolyl, each

- 20 substituted with zero to 3 substituents independently selected from F, Cl, –OH, C_{1–4} alkyl, C_{1–3} hydroxyalkyl, C_{1–3} hydroxy fluoroalkyl, C_{1–3} aminoalkyl, –NR_yR_y, oxetanyl, phenyl, piperazinyl, piperidinyl, and pyrrolidinyl;

R₁₀ is H, C_{1–4} alkyl, –(CH₂)_{1–3}O(C_{1–2} alkyl), or C_{3–6} cycloalkyl;

or R₉ and R₁₀ together with the nitrogen atom to which they are attached form a

- 25 heterocyclic ring selected from azabicyclo[3.1.1]heptanyl, azaspiro[5.5]undecanyl, diazabicyclo[2.2.1]heptanyl, diazabicyclo[3.1.1]heptanyl, diazabicyclo[3.2.0]heptanyl, diazaspiro[3.5]nonanyl, diazaspiro[4.4]nonanyl, diazaspiro[4.5]decanyl, diazepanyl, indoliny, morpholinyl, octahydropyrrolo[3,4-c]pyrrolyl, piperazinonyl, piperazinyl, piperidinyl, and pyrrolidinyl, each substituted
30 with zero to 3 R_{10a};

- each R_{10a} is independently C_{1-4} alkyl, C_{1-4} hydroxyalkyl, $-(CH_2)_{1-3}O(C_{1-3} \text{ alkyl})$,
 $-(CH_2)_{1-3}NR_xR_x$, $-(CH_2)_{1-2}C(O)NR_xR_x$, $-(CH_2)_{1-2}(\text{methyltriazolyl})$,
 $-CH_2CH_2(\text{phenyl})$, $-CH_2CH_2(\text{morpholinyl})$, $-C(O)(C_{1-2} \text{ alkyl})$, $-C(O)NR_yR_y$,
 $-C(O)CH_2NR_yR_y$, $-NR_yR_y$, $-NHC(O)(C_{1-3} \text{ alkyl})$, $-C(O)(\text{furanyl})$, $-O(\text{piperidinyl})$,
5 $-C(O)CH_2(\text{diethylcarbamoylpiperidinyl})$, methylpiperazinyl , piperidinyl ,
 methylpiperidinyl , $\text{diethylcarbamoylpiperidinyl}$, $\text{isopropylpiperidinyl}$, pyridinyl ,
 $\text{trifluoromethylpyridinyl}$, pyrimidinyl , or $\text{dihydrobenzo[d]imidazolonyl}$;
 R_{11} is azetidiny, azaspiro[3.5]nonanyl, dioxidothiomorpholinyl,
hexahydropyrrolo[3,4-c]pyrrolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, or
10 pyrrolidinyl, each substituted with zero to 3 substituents independently selected from
halo, $-CN$, C_{1-4} alkyl, C_{1-3} aminoalkyl, $-(CH_2)_{1-2}(\text{phenyl})$, $-C(O)CH_2NR_xR_x$, C_{1-5}
hydroxyalkyl, $-(CH_2)_{1-2}C(O)NR_xR_x$, $-(CH_2)_{1-2}S(O)_2(C_{1-3} \text{ alkyl})$,
 $-(CH_2)_{1-2}S(O)(C_{1-3} \text{ alkyl})$, oxetanyl, tetrahydrofuranly, and tetrahydropyranyl;
each R_{12a} is independently F, Cl, $-OH$, C_{1-6} alkyl, C_{1-4} fluoroalkyl, C_{1-4} cyanoalkyl, C_{1-6}
15 hydroxyalkyl, $-(CH_2)_{1-2}O(C_{1-3} \text{ alkyl})$, $-(CH_2)_{1-2}C(O)NR_xR_x$, $-(CH_2)_{1-2}S(O)_2(C_{1-2}$
 $\text{alkyl})$, $-(CH_2)_{1-2}NR_xHS(O)_2(C_{1-2} \text{ alkyl})$, $-(CH_2)_{1-2}NR_xR_x$, C_{1-3} alkoxy, $-NR_yR_y$,
 $-NR_x(C_{1-4} \text{ fluoroalkyl})$, $-NR_x(C_{1-2} \text{ cyanoalkyl})$, $-NR_xCH_2NR_xR_x$, $-NR_x(C_{1-4}$
hydroxyalkyl), $-NR_x(C_{2-6} \text{ hydroxyfluoroalkyl})$, $-NR_x(CR_xR_xCR_xR_x)O(C_{1-3} \text{ alkyl})$,
 $-NR_x(C \text{ H}_2C(O)NR_xR_x)$, $-NR_x(C_{1-3} \text{ alkoxy})$, $-NR_xCH_2CH_2S(O)_2(C_{1-2} \text{ alkyl})$,
20 $-NR_xC(O)CH_3$, $-NR_xC(O)(C_{1-2} \text{ fluoroalkyl})$, $-NR_xC(O)CR_xR_xNR_xR_x$,
 $-NR_xC(O)CH_2NR_yR_y$, $-NR_xC(O)CH_2NR_x(C_{1-4} \text{ hydroxyalkyl})$,
 $-NR_x(CH_2)_{1-2}C(O)NR_xR_x$, $-NR_xS(O)_2(C_{1-2} \text{ alkyl})$, $-C(O)(C_{1-5} \text{ alkyl})$,
 $-C(O)(CH_2)_{1-3}O(C_{1-2} \text{ alkyl})$, $-C(O)CR_xR_xNR_yR_y$, R_{12b} , $-CR_xR_xR_{12b}$, $-C(O)R_{12b}$,
 $-C(O)CR_xR_xNR_xR_{12b}$, $-C(O)NR_xR_{12b}$, $-NR_xC(O)CR_xR_xR_{12b}$, $-NR_xR_{12b}$,
25 $-NR_xCR_xR_xR_{12b}$, $-N(CH_2CN)R_{12b}$, $-NR_xC(O)CR_xR_xNR_xR_{12b}$,
 $-NR_xC(O)CR_xR_xNR_xCH_2R_{12b}$, $-NR_xCR_xR_xC(O)NR_xR_{12b}$, or $-OR_{12b}$; or two R_{12a} and
the carbon atom to which they are attached form $C=O$;
 R_{12b} is azetidiny, bicyclo[1.1.1]pentanyl, C_{3-6} cycloalkyl, diazabicyclo[2.2.1]heptanyl,
dioxolanyl, dioxidotetrahydrothiopyranyl, dioxidothiomorpholinyl, imidazolyl,

morpholinyl, octahydrocyclopenta[c]pyrrolyl, octahydropyrrolo[3,4-c]pyrrolyl, oxaazaspiro[3.3]heptanyl, oxetanyl, phenyl, piperazinyl, piperazinonyl, piperidinyl, pyridinyl, pyrrolidinyl, quinuclidinyl, tetrahydrofuranlyl, tetrahydropyranyl, or triazolyl, each substituted with zero to 4 substituents independently selected from F, Cl, -OH, C₁₋₄ alkyl, C₁₋₃ fluoroalkyl, C₁₋₃ hydroxyalkyl, C₁₋₃ aminoalkyl, C₁₋₄ alkoxy, -(CH₂)₁₋₂O(C₁₋₃ alkyl), -NR_xR_x, -C(O)NR_xR_x, and -CR_xR_xS(O)₂(C₁₋₃ alkyl);

each R_{14a} is independently is:

- (i) H, halo, -OH, C₁₋₆ alkyl, C₁₋₂₃ fluoroalkyl, C₁₋₄ hydroxyalkyl, -(CH₂)₀₋₂O(C₁₋₃ alkyl), -CR_xR_xNR_yR_y, -CR_xR_xNR_x(C₁₋₃ cyanoalkyl), -CR_xR_xNR_x((CH₂)₁₋₂O(C₁₋₂ alkyl)), -CR_xR_xN((CH₂)₁₋₂OCH₃)₂, -CR_xR_xNR_x(CH₂C≡CR_x), -CR_xR_xNR_x(CH₂)₁₋₃NR_xR_x, -(CR_xR_x)₁₋₃CR_xR_xNR_xR_x, -CR_x(NH₂)(CH₂)₁₋₄NR_xR_x, -CR_xR_xNR_x(CH₂)₁₋₂O(C₁₋₃ alkyl), -CR_xR_xNR_x(CH₂)₁₋₂O(CH₂)₁₋₂OH, -CR_xR_xNR_x(CH₂)₁₋₃S(O)₂OH, -CR_xR_xC(O)NR_xR_x, -NR_xR_y, -NR_x(CH₂)₁₋₃NR_xR_x, -NR_xC(O)(C₁₋₃ alkyl), -NR_xC(O)(C₁₋₃ fluoroalkyl), -NR_xC(O)O(C₁₋₃ alkyl), -NR_xC(O)(CH₂)₁₋₃NR_xR_x, -NR_xCH₂C(O)CH₂NR_xR_x, -C(O)(C₁₋₃ alkyl), -C(O)(CR_xR_x)₁₋₃OH, -C(O)CR_xR_xNR_xR_x, -C(O)NR_xR_x, -C(O)NR_x(C₁₋₂ cyanoalkyl), -C(O)NR_x(CR_xR_x)₁₋₃NR_xR_x, -C(O)N(CH₂CH₃)(CR_xR_x)₁₋₃NR_xR_x, -C(O)NR_x(CR_xR_x)₁₋₂C(O)NR_xR_x, -C(O)NR_x(CR_xR_x)₁₋₃NR_xC(O)(C₁₋₂ alkyl), -O(CR_xR_x)₁₋₃NR_xR_x, -S(O)₂NR_xR_x, or -C(O)(CR_xR_x)₁₋₂S(O)₂(C₁₋₂ alkyl);
- (ii) 8-azabicyclo[3.2.1]octanyl, azaspiro[3.5]nonanyl, azetidiny, benzo[c][1,2,5]oxadiazolyl, cyclopentyl, cyclohexyl, diazepanyl, morpholinyl, phenyl, piperazinyl, piperidinyl, pyrazolyl, pyridinyl, pyrrolidinonyl, quinolinyl, quinuclidinyl, tetrahydroisoquinolinyl, tetrahydropyridinyl, or thiazolidinyl, each substituted with zero to 2 substituents independently selected from C₁₋₄ alkyl, C₁₋₂ fluoroalkyl, C₁₋₄ hydroxyalkyl, -NR_xR_x, -(CH₂)₁₋₂NR_xR_x, -C(O)(C₁₋₂ alkyl), -C(O)CH₂NR_xR_x, -C(O)O(C₁₋₃ alkyl), -CH₂C(O)NR_xR_x, C₃₋₆ cycloalkyl, -CH₂(phenyl), -CH₂(pyrrolyl), -CH₂(morpholinyl), -CH₂(methylpiperazinyl), -CH₂(thiophenyl), methylpiperidinyl, isobutylpiperidinyl, and pyridinyl; or

(iii) $-L_3-R_{14c}$;

each R_{14b} is F, Cl, $-OH$, $-CH_3$, or $-OCH_3$;

R_{14c} is adamantanyl, azepanyl, azetidiny, C_{3-7} cycloalkyl, diazepanyl, imidazolyl, indolyl, morpholinyl, octahydropyrrolo[3,4-c]pyrrolyl, phenyl, piperazinonyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinonyl, pyrrolidinyl, pyrrolyl, triazolyl, or tetrazolyl, each substituted with zero to 1 substituent selected from F, $-OH$, C_{1-4} alkyl, C_{1-3} hydroxyalkyl, $-NR_xR_y$, $-NR_xC(O)CH_3$, $-C(O)(C_{1-2} \text{ alkyl})$, $-C(O)NR_xR_x$, $-C(O)N(CH_2CH_3)_2$, $-C(O)(\text{tetrahydrofuranly})$, $-C(O)O(C_{1-2} \text{ alkyl})$, $-CH_2C(O)NR_xR_y$, morpholinyl, methylpiperidinyl, pyrazinyl, pyridinyl, and pyrrolidinyl;

L_3 is $-(CR_xR_x)_{1-3}-$, $-CH(NH_2)-$, $-CR_xR_xNR_x-$, $-C(O)-$, $-C(O)NR_x(CH_2)_{0-4}-$, $-NR_x-$, $-NR_xC(O)-$, $-NR_xCH_2-$, $-NR_xCH_2C(O)-$, or $-O(CH_2)_{0-2}-$;

R_v is H, C_{1-2} alkyl, or C_{1-2} fluoroalkyl;

each R_x is independently H or $-CH_3$;

each R_y is independently H or C_{1-6} alkyl;

n is zero, 1, or 2; and

p is zero, 1, 2, 3, or 4.

The second aspect of the present invention provides at least one compound of Formula (I), N-oxide, or a salt thereof, wherein:

G is defined in the first aspect;

A is:

(i) $-O-L_1-R_6$;

(ii) $-NR_7R_8$;

(iii) $-L_2-C(O)NR_9R_{10}$;

(iv) $-(CR_xR_x)_{1-3}R_{11}$, C_{1-3} aminoalkyl, $-(CR_xR_x)_{1-3}NR_xC(O)R_{11}$, $-(CR_xR_x)_{1-2}NR_xC(O)(CH_2)_{1-2}(\text{piperidinyl})$, $-(CR_xR_x)_{1-2}NR_xC(O)O(CH_2)_{1-2}(\text{piperidinyl})$, or $-(CR_xR_x)_{1-2}NR_xC(O)(CH_2)_{1-2}NR_xR_x$;

(v) $-CR_xR_{12}R_{13}$, wherein R_{12} and R_{13} together with the carbon atom to which they are attached form a cyclic group selected from azabicyclo[4.1.1]octanyl, azepanyl,

azetidiny, C₃₋₇ cycloalkyl, diazepanyl, diazasp[4.5]decanonyl, morpholinyl, octahydrocyclopenta[c]pyrrolyl, piperaziny, piperidinyl, pyrrolidinyl, and quinuclidiny, each substituted with zero to 4 R_{12a};

(vi) -CR_x=CR_x(piperidinyl); or

- 5 (vii) an aromatic group selected from [1,2,4]triazolo[1,5-a]pyridiny, imidazo[1,2-a]pyridiny, imidazolyl, indazolyl, isoquinolinyl, oxadiazolyl, oxazolyl, phenyl, pyraziny, pyrazolo[3,4-b]pyridiny, pyrazolyl, pyridaziny, pyridiny, pyrimidinyl, pyrroly, quinolinonyl, quinolinyl, quinoxaliny, tetrahydro-
 10 [1,2,4]triazolo[1,5-a]pyraziny, tetrahydroimidazo[1,2-a]pyraziny, tetrahydroisoquinolinyl, tetrahydrothiazolo[5,4-c]pyridiny, tetrahydrothieno[2,3-c]pyridiny, thiadiazolyl, thiazolyl, thiooxadiazolyl, and triazolyl, each substituted with zero to 2 R_{14a} and zero to 3 R_{14b};

L₁ is bond, -(CR_xR_x)₁₋₂-, -(CR_xR_x)₁₋₂CR_x(OH)-, -(CR_xR_x)₁₋₂O-, -CR_xR_xC(O)-, -CR_xR_xC(O)NR_x(CR_xR_x)₀₋₄-, -CR_xR_xNR_xC(O)(CR_xR_x)₀₋₄-, or

- 15 -CR_xR_xNR_xC(O)(CR_xR_x)₀₋₄-;

L₂ is a bond or -(CR_xR_x)₁₋₃-;

R₁ is H, Cl, -CN, C₁₋₄ alkyl, C₁₋₃ fluoroalkyl, C₁₋₃ hydroxyalkyl, C₁₋₃ hydroxy-fluoroalkyl, -CR_v=CH₂, C₃₋₆ cycloalkyl, -CH₂(C₃₋₆ cycloalkyl), -C(O)O(C₁₋₃ alkyl), or tetrahydropyrany;

- 20 each R₂ is independently halo, -CN, -OH, -NO₂, C₁₋₄ alkyl, C₁₋₂ fluoroalkyl, C₁₋₂ cyanoalkyl, C₁₋₃ hydroxyalkyl, C₁₋₃ aminoalkyl, -O(CH₂)₁₋₂OH, -(CH₂)₀₋₄O(C₁₋₄ alkyl), C₁₋₃ fluoroalkoxy, -(CH₂)₁₋₄O(C₁₋₃ alkyl), -O(CH₂)₁₋₂OC(O)(C₁₋₃ alkyl), -O(CH₂)₁₋₂NR_xR_x, -C(O)O(C₁₋₃ alkyl), -(CH₂)₀₋₂C(O)NR_yR_y, -C(O)NR_x(C₁₋₅ hydroxyalkyl), -C(O)NR_x(C₂₋₆ alkoxyalkyl), -C(O)NR_x(C₃₋₆ cycloalkyl), -NR_yR_y,
 25 -NR_y(C₁₋₃ fluoroalkyl), -NR_y(C₁₋₄ hydroxyalkyl), -NR_xCH₂(phenyl), -NR_xS(O)₂(C₃₋₆ cycloalkyl), -NR_xC(O)(C₁₋₃ alkyl), -NR_xCH₂(C₃₋₆ cycloalkyl), -(CH₂)₀₋₂S(O)₂(C₁₋₃ alkyl), -(CH₂)₀₋₂(C₃₋₆ cycloalkyl), -(CH₂)₀₋₂(phenyl), morpholinyl, dioxothiomorpholinyl, dimethyl pyrazolyl, methylpiperidinyl, methylpiperaziny, amino-oxadiazolyl, imidazolyl, triazolyl, or -C(O)(thiazolyl);

R_{2a} is C₁₋₆ alkyl, C₁₋₃ fluoroalkyl, C₁₋₆ hydroxyalkyl, C₁₋₃ aminoalkyl, $-(CH_2)_{0-4}O(C_{1-3} \text{ alkyl})$, C₃₋₆ cycloalkyl, $-(CH_2)_{1-3}C(O)NR_xR_x$, $-CH_2(C_{3-6} \text{ cycloalkyl})$, $-CH_2(\text{phenyl})$, tetrahydrofuranyl, tetrahydropyranyl, or phenyl;

each R_{2b} is independently H, halo, $-CN$, $-NR_xR_x$, C₁₋₆ alkyl, C₁₋₃ fluoroalkyl, C₁₋₃

- 5 hydroxyalkyl, C₁₋₃ fluoroalkoxy, $-(CH_2)_{0-2}O(C_{1-3} \text{ alkyl})$, $-(CH_2)_{0-3}C(O)NR_xR_x$, $-(CH_2)_{1-3}(C_{3-6} \text{ cycloalkyl})$, $-C(O)O(C_{1-3} \text{ alkyl})$, $-C(O)NR_x(C_{1-3} \text{ alkyl})$, $-CR_x=CR_xR_x$, or $-CR_x=CH(C_{3-6} \text{ cycloalkyl})$;

R_{2c} is R_{2a} or R_{2b};

R_{2d} is R_{2a} or R_{2b}; provided that one of R_{2c} and R_{2d} is R_{2a}, and the other of R_{2c} and R₂ is

- 10 R_{2b};

each R₅ is independently F, Cl, $-CN$, C₁₋₃ alkyl, C₁₋₂ fluoroalkyl, or $-OCH_3$;

R₆ is:

- (i) $-CR_xR_xC(O)NR_x(CR_xR_x)_{1-3}OH$, $-CR_xR_xC(O)NR_x(CR_xR_x)_{1-2}NR_xR_x$, or $-CR_xR_xC(O)NR_x(CR_xR_x)_{1-2}CHFCR_xR_xOH$; or
- 15 (ii) azabicyclo[3.2.1]octanyl, azaspiro[5.5]undecanyl, azetidiny, C₃₋₆ cycloalkyl, diazabicyclo[2.2.1]heptanyl, diazaspino[3.5]nonanyl, morpholinyl, tetrahydrofuranyl, tetrahydropyranyl, octahydrocyclopenta[c]pyrrolyl, piperazinyl, piperidinyl, pyrrolidinyl, or quinuclidinyl, each substituted with zero to 3 R_{6a};

each R_{6a} is independently F, Cl, $-OH$, $-CN$, C₁₋₆ alkyl, C₁₋₄ fluoroalkyl, C₁₋₆

- 20 hydroxyalkyl, $-(CH_2)_{1-2}O(C_{1-3} \text{ alkyl})$, $-NR_xR_x$, $-(CH_2)_{1-2}NR_xR_x$, $-(CR_xR_x)_{1-2}S(O)_2(C_{1-3} \text{ alkyl})$, $-(CR_xR_x)_{1-2}C(O)NR_xR_x$, $-C(O)(CR_xR_x)_{1-2}NR_xR_x$, oxetanyl, tetrahydrofuranyl, tetrahydropyranyl, azetidiny, pyrrolidinyl, piperidinyl, isobutylpiperidinyl, piperazinyl, or $-O(\text{piperidinyl})$;

R₇ is:

- 25 (i) R_{7a}, $-CH_2R_{7a}$, $-C(O)R_{7a}$, $-C(O)CH(NH_2)R_{7a}$, $-C(O)(CH_2)_{1-3}NH_2$, $-C(O)CH(NH_2)(C_{1-4} \text{ alkyl})$, $-C(O)CH(NH_2)(CH_2)_{1-2}C(O)OH$, $-C(O)CH(NH_2)(CH_2)_{2-4}NH_2$, or $-C(O)CH(NH_2)(CH_2)_{1-3}C(O)NH_2$; or
- (ii) C₃₋₆ cycloalkyl substituted with one substituent selected from
- 30 $-NR_x(CH_2)_{2-3}NR_yR_y$, $-NR_x(\text{methylpiperidinyl})$, $-NR_x(CH_2)_{2-3}(\text{morpholinyl})$, dimethylamino piperidinyl, and piperazinyl substituted with a substituent selected

from C₁₋₄ alkyl, -C(O)CH₃, -(CH₂)₁₋₂OCH₃, -CH₂(methylphenyl),
 -(CH₂)₂₋₃(pyrrolidinyl), C₃₋₆ cycloalkyl, pyridinyl, and methylpiperidinyl;

R_{7a} is azaspiro[3.5]nonanyl, C₃₋₆ cycloalkyl, diazaspiro[3.5]nonanyl,
 diazaspiro[5.5]undecanyl, diazepanyl, diazepanyl, morpholinyl, phenyl,
 5 piperazinyl, piperidinyl, pyrrolidinonyl, pyrrolidinyl, or pyrrolyl, each substituted
 with zero to 1 substituent selected from C₁₋₃ alkyl, -NH₂, methylpiperidinyl,
 methylpyrrolidinyl, -OCH₂CH₂(pyrrolidinyl), and -OCH₂CH₂NHCH₂CH₃; and zero
 to 4 substituents selected from -CH₃;

R_{7b} is:

- 10 (i) C₁₋₄ alkyl, C₁₋₃ hydroxyalkyl, -(CH₂)₂₋₃C≡CH, -(CH₂)₁₋₂O(C₁₋₂ alkyl),
 -(CH₂)₁₋₂S(O)₂(C₁₋₂ alkyl), -(CH₂)₀₋₃NR_xR_y, -CH₂C(O)NR_xR_x, -NR_x(C₁₋₄
 hydroxyalkyl), -NR_y(C₁₋₂ cyanoalkyl), -NR_x(C₁₋₂ fluoroalkyl), -NR_x(C₂₋₄
 hydroxyfluoroalkyl), -NR_x(CH₂)₁₋₂C(O)NR_xR_x, -NR_x(CH₂)₁₋₃NR_xR_x,
 -NR_xCH₂CH₂NR_xR_x, -NR_xC(O)(CH₂)₁₋₂NR_xR_x, -O(CH₂)₁₋₃NR_xR_x,
 15 -C(O)CH₂NR_xR_x, -(CH₂)₁₋₂R_{7d}, -NHR_{7d}, -NH(CH₂)₁₋₂R_{7d}, or -OR_{7d}; or
 (ii) azepanyl, azetidiny, diazepanyl, dioxothiomorpholinyl, morpholinyl,
 oxazaspiro[3.3]heptanyl, oxetanyl, piperazinonyl, piperazinyl, piperidinyl,
 pyridinyl, pyrrolidinonyl, pyrrolidinyl, or tetrahydroisoquinolinyl, each substituted
 with zero to 1 R_{8a} and zero to 3 R_{8b};

20 each R_{7c} is independently F, Cl, -CN, C₁₋₂ alkyl, -CF₃, or -CH₂CN;

R_{7d} is azaspiro[3.5]nonanyl, bicyclo[1.1.1]pentanyl, C₃₋₆ cycloalkyl, morpholinyl,
 oxetanyl, phenyl, piperidinyl, pyrazolyl, pyrrolidinyl, tetrahydrofuranyl, or
 tetrahydropyranyl, each substituted with zero to 1 substituent selected from C₁₋₃ alkyl,
 -NR_xR_x, -C(O)CH₃, methylpiperidinyl, methylpyrrolidinyl, tetramethylpiperidinyl,
 25 -OCH₂CH₂(pyrrolidinyl), and -OCH₂CH₂NHCH₂CH₃; and zero to 4 substituents
 selected from -CH₃;

R₈ is H or C₁₋₃ alkyl;

or R₇ and R₈ together with the nitrogen atom to which they are attached form a
 heterocyclic ring selected from azetidiny, diazepanyl, diazepanyl,

30 diazaspiro[3.5]nonanyl, diazaspiro[5.5]undecanyl, imidazolyl, imidazolidinonyl,

octahydro-1H-pyrrolo[3,4-b]pyridinyl, piperazinyl, piperidinyl, pyrrolidinonyl, pyrrolidinyl, and pyrrolyl, wherein said heterocyclic ring is substituted with zero to 1 R_{7b} and zero to 2 R_{7c} ;

R_{8a} is $-OH$, C_{1-6} alkyl, C_{1-4} fluoroalkyl, C_{1-4} hydroxyalkyl, $-(CH_2)_{1-2}O(C_{1-3}$ alkyl),

5 $-C(O)(C_{1-3}$ alkyl), $-(CH_2)_{1-2}(C_{3-6}$ cycloalkyl), $-(CH_2)_{1-3}(\text{methyl phenyl})$, $-(CH_2)_{1-3}(\text{pyrrolidinyl})$, $-(CH_2)_{1-3}(\text{methylpyrazolyl})$, $-(CH_2)_{1-3}(\text{thiophenyl})$, $-NR_xR_x$, C_{3-6} cycloalkyl, methylpiperidinyl, pyridinyl, or pyrimidinyl;

each R_{8b} is independently F, Cl, $-CN$, C_{1-3} alkyl, or $-CF_3$;

R_9 is C_{1-6} alkyl, C_{1-6} hydroxyalkyl, C_{1-6} hydroxy fluoroalkyl, C_{1-3} aminoalkyl,

10 $-(CH_2)_{1-2}O(C_{1-3}$ alkyl), $-(CH_2)_{1-3}NR_xR_x$, $-(CH_2)_{1-2}C(O)NR_xR_x$, $-(CH_2)_{1-3}S(O)_2OH$, $-(CR_xR_x)_{1-3}NR_xS(O)_2(C_{1-2}$ alkyl), or $-(CH_2)_{0-3}R_{9a}$;

R_{9a} is C_{3-7} cycloalkyl, furanyl, phenyl, piperazinyl, piperidinyl, pyrazolyl, pyridinyl,

pyrrolidinyl, quinuclidinyl, thiazolyl, or octahydrocyclopenta[c]pyrrolyl, each

substituted with zero to 3 substituents independently selected from F, Cl, $-OH$, C_{1-4}

15 alkyl, C_{1-3} hydroxyalkyl, C_{1-3} hydroxy fluoroalkyl, C_{1-3} aminoalkyl, $-NR_yR_y$, oxetanyl, phenyl, piperazinyl, piperidinyl, and pyrrolidinyl;

R_{10} is H, C_{1-4} alkyl, $-(CH_2)_{1-3}O(C_{1-2}$ alkyl), or C_{3-6} cycloalkyl;

or R_9 and R_{10} together with the nitrogen atom to which they are attached form a

heterocyclic ring selected from azabicyclo[3.1.1]heptanyl, azaspiro[5.5]undecanyl,

20 diazabicyclo[2.2.1]heptanyl, diazabicyclo[3.1.1]heptanyl,

diazabicyclo[3.2.0]heptanyl, diazasp[3.5]nonanyl, diazasp[4.4]nonanyl,

diazasp[4.5]decanyl, diazepanyl, indolinyl, morpholinyl, octahydropyrrolo[3,4-c]

pyrrolyl, piperazinonyl, piperazinyl, piperidinyl, and pyrrolidinyl, each substituted

with zero to 3 R_{10a} ;

25 each R_{10a} is independently C_{1-4} alkyl, C_{1-4} hydroxyalkyl, $-(CH_2)_{1-3}O(C_{1-3}$ alkyl),

$-(CH_2)_{1-3}NR_xR_x$, $-(CH_2)_{1-2}C(O)NR_xR_x$, $-(CH_2)_{1-2}(\text{methyltriazolyl})$,

$-CH_2CH_2(\text{phenyl})$, $-CH_2CH_2(\text{morpholinyl})$, $-C(O)(C_{1-2}$ alkyl), $-C(O)NR_yR_y$,

$-C(O)CH_2NR_yR_y$, $-NR_yR_y$, $-NHC(O)(C_{1-3}$ alkyl), $-C(O)(\text{furanyl})$, $-O(\text{piperidinyl})$,

$-C(O)CH_2(\text{diethylcarbamoylpiperidinyl})$, methylpiperazinyl, piperidinyl,

30 methylpiperidinyl, diethylcarbamoylpiperidinyl, isopropylpiperidinyl, pyridinyl,

trifluoromethylpyridinyl, pyrimidinyl, or dihydrobenzo[d]imidazolonyl;

R₁₁ is azetidiny, azaspiro[3.5]nonanyl, dioxidothiomorpholinyl,

hexahydropyrrolo[3,4-c]pyrrolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, or pyrrolidinyl, each substituted with zero to 3 substituents independently selected from

5 halo, -CN, C₁₋₄ alkyl, C₁₋₃ aminoalkyl, -(CH₂)₁₋₂(phenyl), -C(O)CH₂NR_xR_x, C₁₋₅ hydroxyalkyl, -(CH₂)₁₋₂C(O)NR_xR_x, -(CH₂)₁₋₂S(O)₂(C₁₋₃ alkyl),

-(CH₂)₁₋₂S(O)(C₁₋₃ alkyl), oxetanyl, tetrahydrofuranyl, and tetrahydropyranyl;

each R_{12a} is independently F, Cl, -OH, C₁₋₆ alkyl, C₁₋₄ fluoroalkyl, C₁₋₄ cyanoalkyl, C₁₋₆

hydroxyalkyl, -(CH₂)₁₋₂O(C₁₋₃ alkyl), -(CH₂)₁₋₂C(O)NR_xR_x, -(CH₂)₁₋₂S(O)₂(C₁₋₂

10 alkyl), -(CH₂)₁₋₂NR_xHS(O)₂(C₁₋₂ alkyl), -(CH₂)₁₋₂NR_xR_x, C₁₋₃ alkoxy, -NR_yR_y,

-NR_x(C₁₋₄ fluoroalkyl), -NR_x(C₁₋₂ cyanoalkyl), -NR_xCH₂NR_xR_x, -NR_x(C₁₋₄

hydroxyalkyl), -NR_x(CR_xR_xCR_xR_x)O(C₁₋₃ alkyl), -NR_x(CH₂C(O)NR_xR_x),

-NR_x(C₁₋₃ alkoxy), -NR_xCH₂CH₂S(O)₂(C₁₋₂ alkyl), -NR_xC(O)CH₃, -NR_xC(O)(C₁₋₂

fluoroalkyl), -NR_xC(O)CR_xR_xNR_xR_x, -NR_xC(O)CH₂NR_yR_y,

15 -NR_xC(O)CH₂NR_x(C₁₋₄ hydroxyalkyl), -NR_x(CH₂)₁₋₂C(O)NR_xR_x, -NR_xS(O)₂(C₁₋₂

alkyl), -C(O)(C₁₋₅ alkyl), -C(O)(CH₂)₁₋₃O(C₁₋₂ alkyl), -C(O)CR_xR_xNR_yR_y, R_{12b},

-CR_xR_xR_{12b}, -C(O)R_{12b}, -C(O)CR_xR_xNR_xR_{12b}, -C(O)NR_xR_{12b},

-NR_xC(O)CR_xR_xR_{12b}, -NR_xR_{12b}, -NR_xCR_xR_xR_{12b}, -N(CH₂CN)R_{12b},

-NR_xC(O)CR_xR_xNR_xR_{12b}, -NR_xC(O)CR_xR_xNR_xCH₂R_{12b}, -NR_xCR_xR_xC(O)NR_xR_{12b},

20 or -OR_{12b}; or two R_{12a} and the carbon atom to which they are attached form C=O;

R_{12b} is azetidiny, bicyclo[1.1.1]pentanyl, C₃₋₆ cycloalkyl, diazabicyclo[2.2.1]heptanyl,

dioxolanyl, dioxidotetrahydrothiopyranyl, dioxidothiomorpholinyl, imidazolyl,

morpholinyl, octahydrocyclopenta[c]pyrrolyl, octahydropyrrolo[3,4-c]pyrrolyl,

oxaazaspiro[3.3]heptanyl, oxetanyl, phenyl, piperazinyl, piperazinonyl, piperidinyl,

25 pyridinyl, pyrrolidinyl, quinuclidinyl, tetrahydrofuranyl, tetrahydropyranyl, or

triazolyl, each substituted with zero to 4 substituents independently selected from F,

Cl, -OH, C₁₋₄ alkyl, C₁₋₃ fluoroalkyl, C₁₋₃ hydroxyalkyl, C₁₋₃ aminoalkyl, C₁₋₄

alkoxy, -(CH₂)₁₋₂O(C₁₋₃ alkyl), -NR_xR_x, -C(O)NR_xR_x, and -CR_xR_xS(O)₂(C₁₋₃

alkyl);

30 each R_{14a} is independently is:

- (i) H, halo, $-\text{OH}$, C_{1-6} alkyl, C_{1-23} fluoroalkyl, C_{1-4} hydroxyalkyl, $-(\text{CH}_2)_{0-2}\text{O}(\text{C}_{1-3}$ alkyl), $-\text{CR}_x\text{R}_x\text{NR}_y\text{R}_y$, $-\text{CR}_x\text{R}_x\text{NR}_x(\text{C}_{1-3}$ cyanoalkyl), $-\text{CR}_x\text{R}_x\text{NR}_x((\text{CH}_2)_{1-2}\text{O}(\text{C}_{1-2}$ alkyl)), $-\text{CR}_x\text{R}_x\text{N}((\text{CH}_2)_{1-2}\text{OCH}_3)_2$, $-\text{CR}_x\text{R}_x\text{NR}_x(\text{CH}_2\text{C}\equiv\text{CR}_x)$,
 $-\text{CR}_x\text{R}_x\text{NR}_x(\text{CH}_2)_{1-3}\text{NR}_x\text{R}_x$, $-(\text{CR}_x\text{R}_x)_{1-3}\text{CR}_x\text{R}_x\text{NR}_x\text{R}_x$, $-\text{CR}_x(\text{NH}_2)(\text{CH}_2)_{1-4}\text{NR}_x\text{R}_x$,
5 $-\text{CR}_x\text{R}_x\text{NR}_x(\text{CH}_2)_{1-2}\text{O}(\text{C}_{1-3}$ alkyl), $-\text{CR}_x\text{R}_x\text{NR}_x(\text{CH}_2)_{1-2}\text{O}(\text{CH}_2)_{1-2}\text{OH}$,
 $-\text{CR}_x\text{R}_x\text{NR}_x(\text{CH}_2)_{1-3}\text{S}(\text{O})_2\text{OH}$, $-\text{CR}_x\text{R}_x\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{NR}_x\text{R}_y$, $-\text{NR}_x(\text{CH}_2)_{1-3}\text{NR}_x\text{R}_x$,
 $-\text{NR}_x\text{C}(\text{O})(\text{C}_{1-3}$ alkyl), $-\text{NR}_x\text{C}(\text{O})(\text{C}_{1-3}$ fluoroalkyl), $-\text{NR}_x\text{C}(\text{O})\text{O}(\text{C}_{1-3}$ alkyl),
 $-\text{NR}_x\text{C}(\text{O})(\text{CH}_2)_{1-3}\text{NR}_x\text{R}_x$, $-\text{NR}_x\text{CH}_2\text{C}(\text{O})\text{CH}_2\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})(\text{C}_{1-3}$ alkyl),
 $-\text{C}(\text{O})(\text{CR}_x\text{R}_x)_{1-3}\text{OH}$, $-\text{C}(\text{O})\text{CR}_x\text{R}_x\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{NR}_x(\text{C}_{1-2}$
10 cyanoalkyl), $-\text{C}(\text{O})\text{NR}_x(\text{CR}_x\text{R}_x)_{1-3}\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{N}(\text{CH}_2\text{CH}_3)(\text{CR}_x\text{R}_x)_{1-3}\text{NR}_x\text{R}_x$,
 $-\text{C}(\text{O})\text{NR}_x(\text{CR}_x\text{R}_x)_{1-2}\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{NR}_x(\text{CR}_x\text{R}_x)_{1-3}\text{NR}_x\text{C}(\text{O})(\text{C}_{1-2}$ alkyl),
 $-\text{O}(\text{CR}_x\text{R}_x)_{1-3}\text{NR}_x\text{R}_x$, $-\text{S}(\text{O})_2\text{NR}_x\text{R}_x$, or $-\text{C}(\text{O})(\text{CR}_x\text{R}_x)_{1-2}\text{S}(\text{O})_2(\text{C}_{1-2}$ alkyl);
(ii) 8-azabicyclo[3.2.1]octanyl, azaspiro[3.5]nonanyl, azetidiny, benzo[c][1,2,5]oxadiazolyl, cyclopentyl, cyclohexyl, diazepanyl, morpholinyl,
15 phenyl, piperazinyl, piperidiny, pyrazolyl, pyridiny, pyrrolidinonyl, quinolinyl, quinuclidiny, tetrahydroisoquinolinyl, tetrahydropyridiny, or thiazolidiny, each substituted with zero to 2 substituents independently selected from C_{1-4} alkyl, C_{1-2} fluoroalkyl, C_{1-4} hydroxyalkyl, $-\text{NR}_x\text{R}_x$, $-(\text{CH}_2)_{1-2}\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})(\text{C}_{1-2}$ alkyl),
 $-\text{C}(\text{O})\text{CH}_2\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{O}(\text{C}_{1-3}$ alkyl), $-\text{CH}_2\text{C}(\text{O})\text{NR}_x\text{R}_x$, C_{3-6} cycloalkyl,
20 $-\text{CH}_2(\text{phenyl})$, $-\text{CH}_2(\text{pyrrolyl})$, $-\text{CH}_2(\text{morpholinyl})$, $-\text{CH}_2(\text{methylpiperazinyl})$,
 $-\text{CH}_2(\text{thiophenyl})$, methylpiperidiny, isobutylpiperidiny, and pyridiny; or
(iii) $-\text{L}_3-\text{R}_{14c}$;
each R_{14b} is F, Cl, $-\text{OH}$, $-\text{CH}_3$, or $-\text{OCH}_3$;
 R_{14c} is adamantany, azepany, azetidiny, C_{3-7} cycloalkyl, diazepany, imidazolyl,
25 indoly, morpholinyl, octahydropyrrolo[3,4-c]pyrroly, phenyl, piperazinonyl, piperazinyl, piperidiny, pyridiny, pyrrolidinonyl, pyrrolidinyl, pyrroly, triazolyl, or tetrazolyl, each substituted with zero to 1 substituent selected from F, $-\text{OH}$, C_{1-4} alkyl, C_{1-3} hydroxyalkyl, $-\text{NR}_x\text{R}_y$, $-\text{NR}_x\text{C}(\text{O})\text{CH}_3$, $-\text{C}(\text{O})(\text{C}_{1-2}$ alkyl), $-\text{C}(\text{O})\text{NR}_x\text{R}_x$,
 $-\text{C}(\text{O})\text{N}(\text{CH}_2\text{CH}_3)_2$, $-\text{C}(\text{O})(\text{tetrahydrofuranly})$, $-\text{C}(\text{O})\text{O}(\text{C}_{1-2}$ alkyl),

$-\text{CH}_2\text{C}(\text{O})\text{NR}_x\text{R}_y$, morpholinyl, methylpiperidinyl, pyrazinyl, pyridinyl, and pyrrolidinyl;

L_3 is $-(\text{CR}_x\text{R}_x)_{1-3}-$, $-\text{CH}(\text{NH}_2)-$, $-\text{CR}_x\text{R}_x\text{NR}_x-$, $-\text{C}(\text{O})-$, $-\text{C}(\text{O})\text{NR}_x(\text{CH}_2)_{0-4}-$, $-\text{NR}_x-$, $-\text{NR}_x\text{C}(\text{O})-$, $-\text{NR}_x\text{CH}_2-$, $-\text{NR}_x\text{CH}_2\text{C}(\text{O})-$, or $-\text{O}(\text{CH}_2)_{0-2}-$;

5 R_v is H, C_{1-2} alkyl, or C_{1-2} fluoroalkyl;

each R_x is independently H or $-\text{CH}_3$;

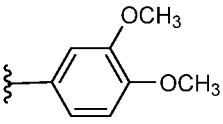
each R_y is independently H or C_{1-6} alkyl;

n is zero, 1, or 2; and

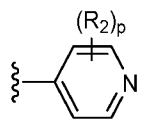
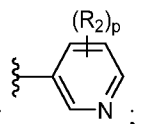
p is zero, 1, 2, 3, or 4.

10 The compounds of Formula (I) or salts thereof in which A is $-\text{CR}_x\text{R}_{12}\text{R}_{13}$; and R_{12} and R_{13} together with the carbon atom to which they are attached form a cyclic group and the cyclic group has one or more heteroatoms, the cyclic group is bonded to the indole ring by a carbon atom in the cyclic group.

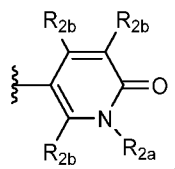
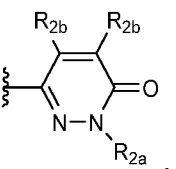
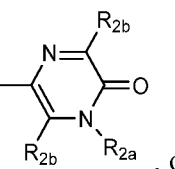
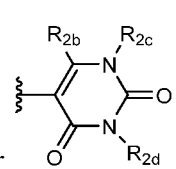
One embodiment provides a compound of Formula (I) or a salt thereof wherein G

15 is: ; and A, R_1 , R_5 , and n are defined in the first aspect or the second aspect.

One embodiment provides a compound of Formula (I), N-oxide, or a salt thereof

wherein G is:  or ; and A, R_1 , R_2 , R_5 , n , and p are defined in the first aspect or the second aspect.

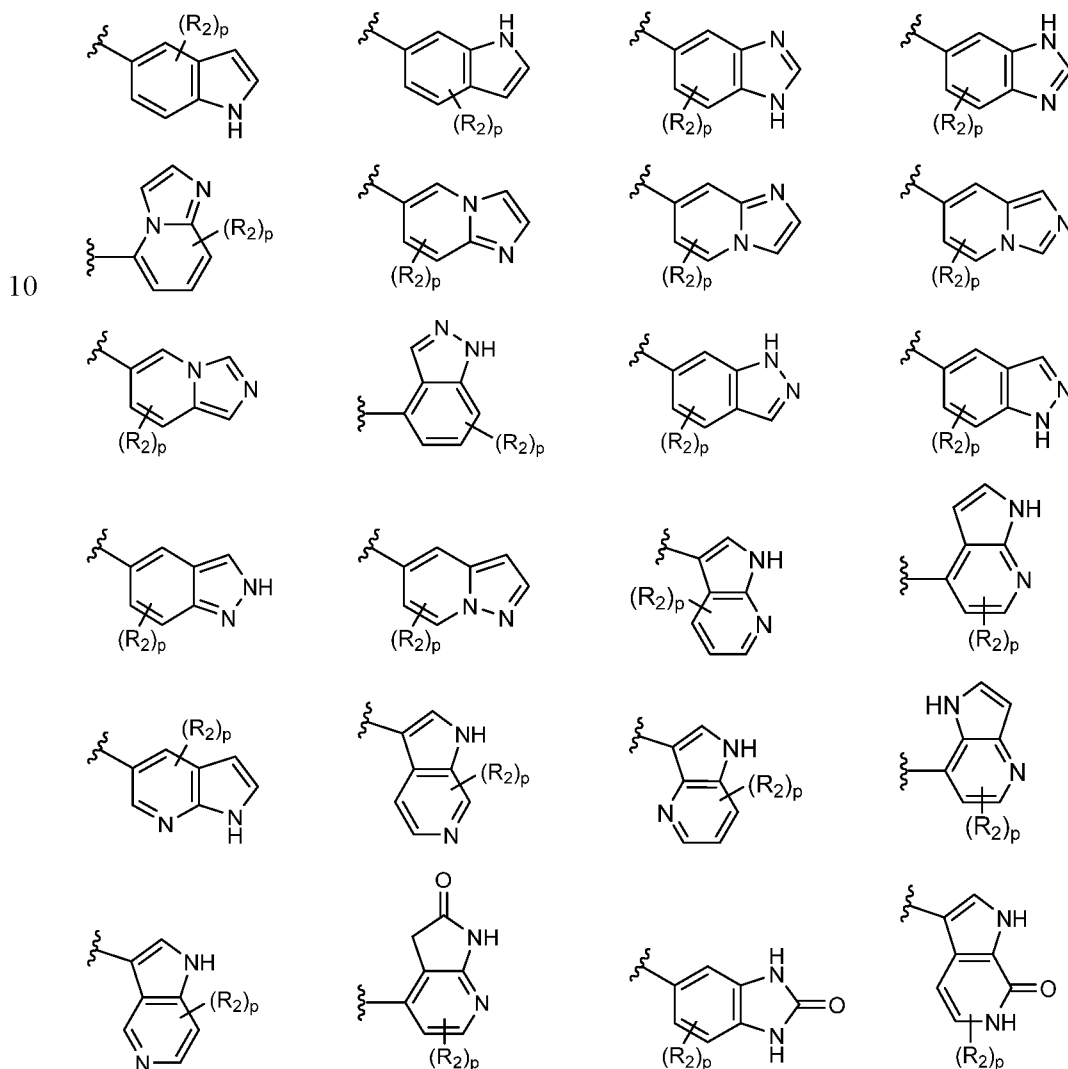
20 One embodiment provides a compound of Formula (I) or a salt thereof wherein G

is: , , , or ; and A, R_1 , R_{2a} , R_{2b} , R_{2c} , R_{2d} , R_5 , n , and p are defined in the first aspect or the second aspect. Included in this

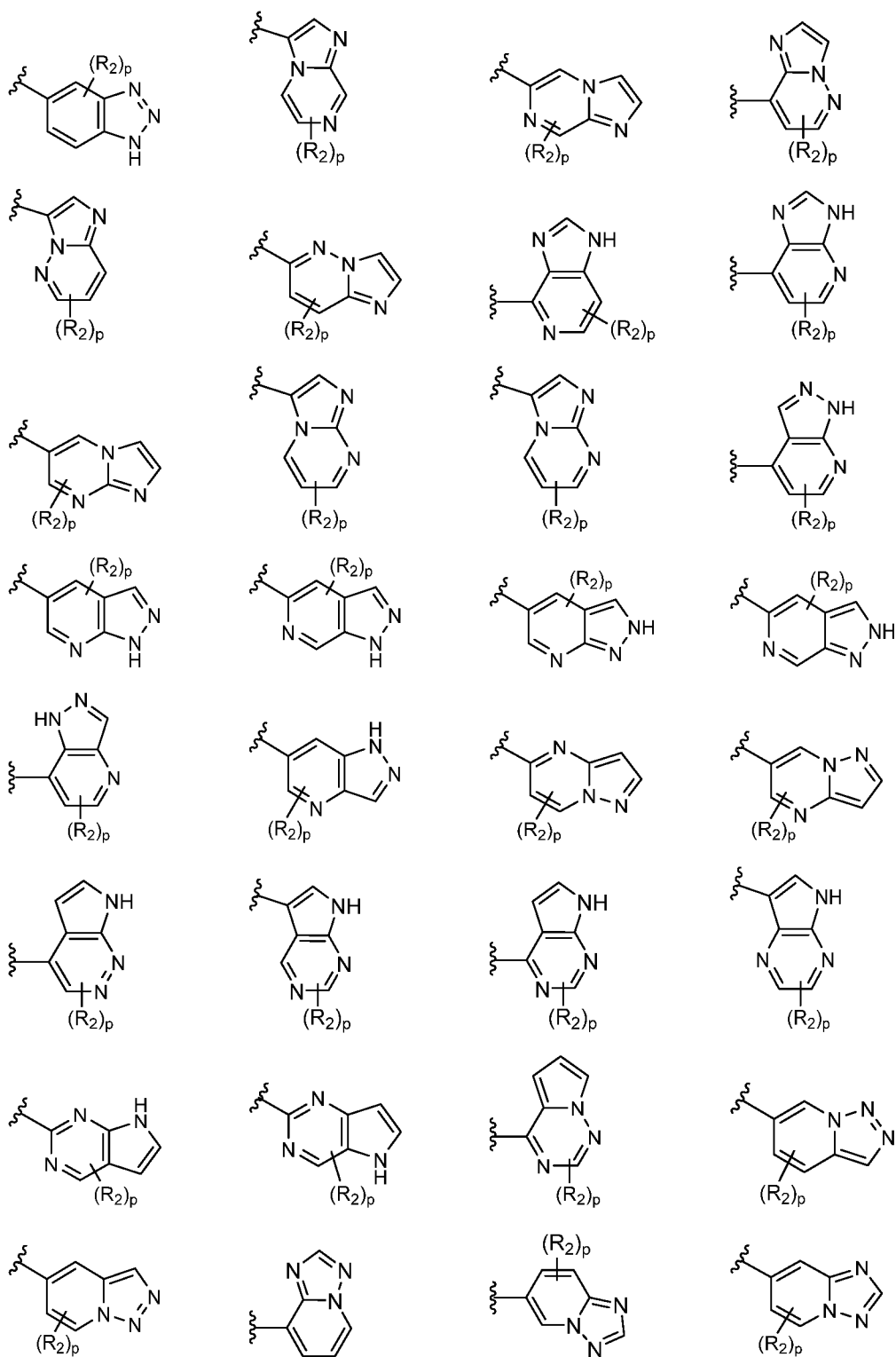
embodiment are compounds in which R_{2a} is C_{1-4} alkyl, C_{1-2} fluoroalkyl, C_{1-4} hydroxyalkyl, $-(\text{CH}_2)_{1-3}\text{OCH}_3$, C_{3-6} cycloalkyl, $-\text{CH}_2\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{CH}_2(\text{C}_{3-6}$

- cycloalkyl), $-\text{CH}_2(\text{phenyl})$, tetrahydrofuranyl, or phenyl; and each R_{2b} is independently H, F, Cl, $-\text{CN}$, $-\text{NR}_x\text{R}_x$, C_{1-6} alkyl, C_{1-2} fluoroalkyl, C_{1-3} hydroxyalkyl, $-(\text{CH}_2)_{0-2}\text{O}(\text{C}_{1-2}$ alkyl), $-(\text{CH}_2)_{0-2}\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-(\text{CH}_2)_{1-3}(\text{cyclopropyl})$, $-\text{C}(\text{O})\text{O}(\text{C}_{1-2}$ alkyl), $-\text{C}(\text{O})\text{NR}_x(\text{C}_{1-3}$ alkyl), $-\text{CR}_x=\text{CH}_2$, or $-\text{CH}=\text{CH}(\text{C}_{3-6}$ cycloalkyl). Also included in this
- 5 embodiment are compounds in which R_{2a} is $-\text{CH}_3$; and each R_{2b} is independently H, Cl, or $-\text{CH}_3$.

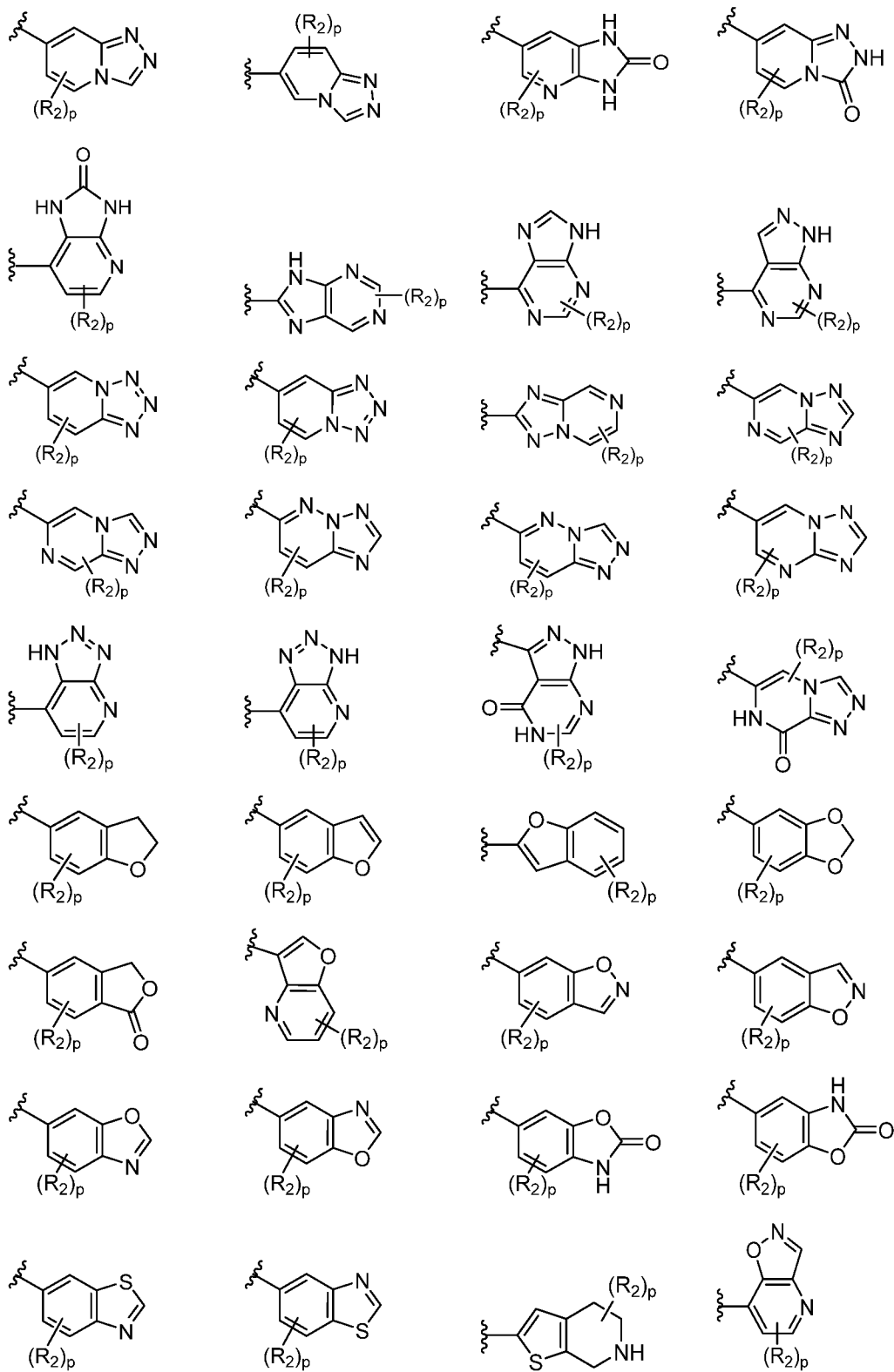
One embodiment provides a compound of Formula (I), or a salt thereof wherein G is a 9-membered heterocyclic ring selected from:

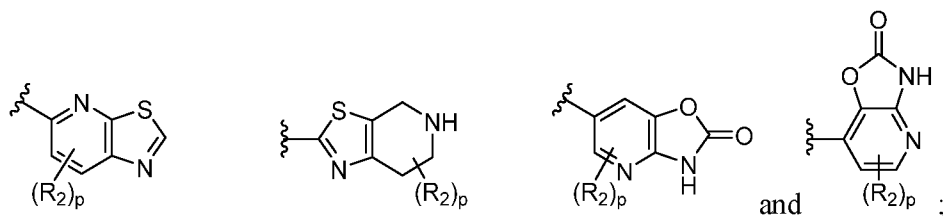


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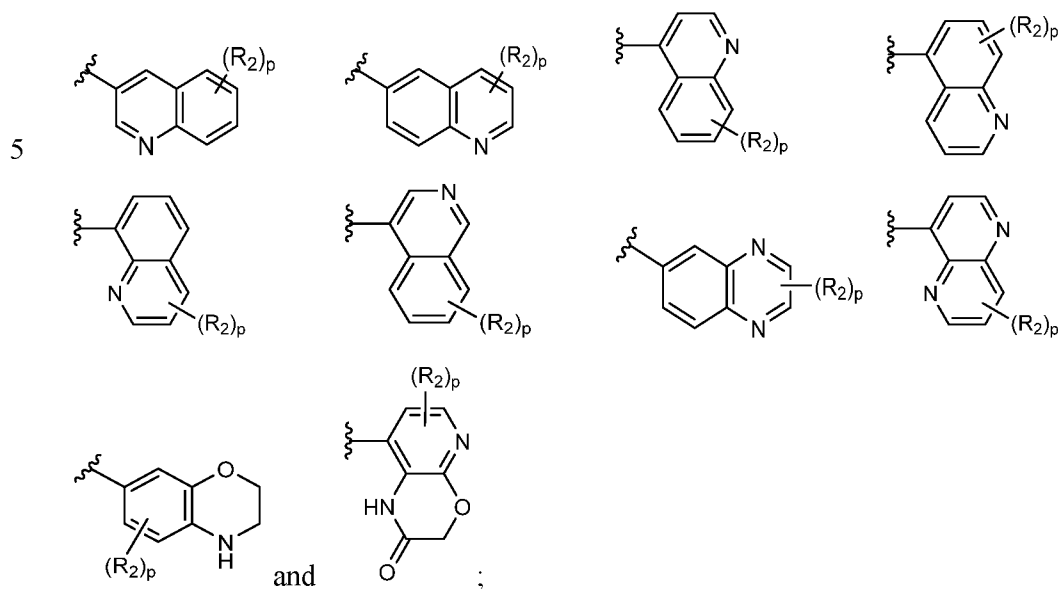
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and A, R₁, R₂, R₅, n, and p are defined in the first aspect or the second aspect.

One embodiment provides a compound of Formula (I) or a salt thereof wherein G is a 10-membered heterocyclic ring selected from:



and A, R₁, R₂, R₅, n, and p are defined in the first aspect or the second aspect.

One embodiment provides a compound of Formula (I), N-oxide, or a salt thereof, wherein:

A is:

(i) -O-L₁-R₆;

(ii) -NR₇-R₈;

(iii) -L₂-C(O)NR₉R₁₀;

(iv) -(CR_xR_x)₁₋₂R₁₁, C₁₋₂ aminoalkyl, -(CR_xR_x)₁₋₂NR_xC(O)R₁₁,

-CH₂NR_xC(O)(CH₂)₁₋₂(piperidinyl), -CH₂NR_xC(O)OCH₂(piperidinyl), or

-CH₂NR_xC(O)(CH₂)₁₋₂NR_xR_x;

(v) -CR_xR₁₂R₁₃, wherein R₁₂ and R₁₃ together with the carbon atom to which they are attached form a cyclic group selected from azabicyclo[4.1.1]octanyl, azepanyl,

azetidiny, C₃₋₇ cycloalkyl, diazepanyl, diazasp[4.5]decanonyl, morpholinyl, octahydrocyclopenta[c]pyrrolyl, piperaziny, piperidinyl, pyrrolidinyl, and quinuclidiny, each substituted with zero to 3 R_{12a};

(vi) $-\text{CR}_x=\text{CR}_x(\text{piperidinyl})$; or

- 5 (vii) an aromatic group selected from [1,2,4]triazolo[1,5-a]pyridiny, imidazo[1,2-a]pyridiny, imidazolyl, indazolyl, isoquinolinyl, oxadiazolyl, oxazolyl, phenyl, pyraziny, pyrazolo[3,4-b]pyridiny, pyrazolyl, pyridaziny, pyridiny, pyrimidinyl, pyrroly, quinolinonyl, quinolinyl, quinoxaliny, tetrahydro-
[1,2,4]triazolo[1,5-a]pyraziny, tetrahydroimidazo[1,2-a]pyraziny,
10 tetrahydroisoquinolinyl, tetrahydrothiazolo[5,4-c]pyridiny, tetrahydrothieno[2,3-c]pyridiny, thiadiazolyl, thiazolyl, thiooxadiazolyl, and triazolyl, each substituted with zero to 2 R_{14a} and zero to 3 R_{14b};

L₁ is bond, $-(\text{CR}_x\text{R}_x)_{1-2}-$, $-\text{CH}_2\text{C}(\text{O})-$, $-\text{CH}_2\text{C}(\text{O})\text{NR}_x(\text{CR}_x\text{R}_x)_{0-2}-$, $-\text{CH}_2\text{NR}_x\text{C}(\text{O})-$, or $-\text{CH}_2\text{NR}_x\text{C}(\text{O})\text{CH}_2-$;

- 15 L₂ is a bond or $-(\text{CR}_x\text{R}_x)_{1-2}-$;

R₁ is H, Cl, $-\text{CN}$, C₁₋₄ alkyl, C₁₋₂ fluoroalkyl, C₁₋₂ hydroxyalkyl, or $-\text{C}(\text{O})\text{O}(\text{C}_{1-2} \text{ alkyl})$;
each R₂ is independently F, Cl, $-\text{CN}$, $-\text{OH}$, C₁₋₃ alkyl, C₁₋₂ fluoroalkyl, C₁₋₂ cyanoalkyl, C₁₋₃ hydroxyalkyl, C₁₋₂ aminoalkyl, $-(\text{CH}_2)_{0-2}\text{O}(\text{C}_{1-3} \text{ alkyl})$, C₃₋₆ cycloalkyl, $-\text{NR}_x\text{R}_x$, $-(\text{CH}_2)_{0-2}\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-(\text{CH}_2)_{0-2}\text{S}(\text{O})_2(\text{C}_{1-3} \text{ alkyl})$, $-\text{CH}_2(\text{C}_{3-6} \text{ cycloalkyl})$,
20 $-\text{CH}_2(\text{phenyl})$, or phenyl;

R_{2a} is C₁₋₄ alkyl, C₁₋₂ fluoroalkyl, C₁₋₄ hydroxyalkyl, $-(\text{CH}_2)_{1-3}\text{OCH}_3$, C₃₋₆ cycloalkyl, $-\text{CH}_2\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{CH}_2(\text{C}_{3-6} \text{ cycloalkyl})$, $-\text{CH}_2(\text{phenyl})$, tetrahydrofuranyl, or phenyl;

each R_{2b} is independently H, F, Cl, $-\text{CN}$, $-\text{NR}_x\text{R}_x$, C₁₋₆ alkyl, C₁₋₂ fluoroalkyl, C₁₋₃

- 25 hydroxyalkyl, $-(\text{CH}_2)_{0-2}\text{O}(\text{C}_{1-2} \text{ alkyl})$, $-(\text{CH}_2)_{0-2}\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-(\text{CH}_2)_{1-3}(\text{cyclopropyl})$, $-\text{C}(\text{O})\text{O}(\text{C}_{1-2} \text{ alkyl})$, $-\text{C}(\text{O})\text{NR}_x(\text{C}_{1-3} \text{ alkyl})$, $-\text{CR}_x=\text{CH}_2$, or $-\text{CH}=\text{CH}(\text{C}_{3-6} \text{ cycloalkyl})$;

each R₅ is independently F, Cl, $-\text{CN}$, C₁₋₂ alkyl, or $-\text{OCH}_3$;

R₆ is:

- 30 (i) $-\text{CH}_2\text{C}(\text{O})\text{NHCH}_2\text{CR}_x\text{R}_x\text{OH}$, $-\text{CH}_2\text{C}(\text{O})\text{NHCH}_2\text{CH}_2\text{CR}_x\text{R}_x\text{OH}$,

- $-\text{CH}_2\text{C}(\text{O})\text{NHCH}_2\text{CH}_2\text{NR}_x\text{R}_x$, or $-\text{CH}_2\text{C}(\text{O})\text{NHCH}_2\text{CHFCR}_x\text{R}_x\text{OH}$; or
 (ii) azabicyclo[3.2.1]octanyl, azaspiro[5.5]undecanyl, azetidiny, C₃₋₆ cycloalkyl,
 diazabicyclo[2.2.1]heptanyl, diazasp[3.5]nonanyl, morpholinyl,
 tetrahydropyranyl, octahydrocyclopenta[c]pyrrolyl, piperazinyl, piperidinyl,
 5 pyrrolidinyl, or quinuclidinyl, each substituted with zero to 3 R_{6a};
 each R_{6a} is independently F, -OH, C₁₋₄ alkyl, C₁₋₄ fluoroalkyl, C₁₋₄ hydroxyalkyl,
 $-(\text{CH}_2)_{1-2}\text{OCH}_3$, $-\text{NR}_x\text{R}_x$, $-(\text{CH}_2)_{1-2}\text{NR}_x\text{R}_x$, $-(\text{CH}_2)_{1-2}\text{S}(\text{O})_2(\text{C}_{1-2} \text{ alkyl})$,
 $-(\text{CH}_2)_{1-2}\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{CH}_2\text{NR}_x\text{R}_x$, oxetanyl, tetrahydrofuranlyl,
 tetrahydropyranyl, piperidinyl, isobutylpiperidinyl, piperazinyl, or -O(piperidinyl);
 10 R₇ is:
 (i) R_{7a}, $-\text{CH}_2\text{R}_{7a}$, $-\text{C}(\text{O})\text{R}_{7a}$, $-\text{C}(\text{O})\text{CH}(\text{NH}_2)\text{R}_{7a}$, $-\text{C}(\text{O})(\text{CH}_2)_{1-3}\text{NH}_2$,
 $-\text{C}(\text{O})\text{CH}(\text{NH}_2)(\text{C}_{1-4} \text{ alkyl})$, $-\text{C}(\text{O})\text{CH}(\text{NH}_2)(\text{CH}_2)_{1-2}\text{C}(\text{O})\text{OH}$,
 $-\text{C}(\text{O})\text{CH}(\text{NH}_2)(\text{CH}_2)_{2-4}\text{NH}_2$, or $-\text{C}(\text{O})\text{CH}(\text{NH}_2)(\text{CH}_2)_{1-3}\text{C}(\text{O})\text{NH}_2$; or
 (ii) C₃₋₆ cycloalkyl substituted with one substituent selected from
 15 $-\text{NR}_x(\text{CH}_2)_{2-3}\text{NR}_x\text{R}_x$, $-\text{NH}(\text{CH}_2)_{2-3}\text{NHCH}_3$, $-\text{NH}(\text{methylpiperidinyl})$,
 $-\text{NH}(\text{CH}_2)_{2-3}(\text{morpholinyl})$, dimethylamino piperidinyl, and piperazinyl
 substituted with a substituent selected from C₁₋₄ alkyl, $-\text{C}(\text{O})\text{CH}_3$,
 $-(\text{CH}_2)_{1-2}\text{OCH}_3$, $-\text{CH}_2(\text{methylphenyl})$, $-(\text{CH}_2)_{2-3}(\text{pyrrolidinyl})$, C₃₋₆ cycloalkyl,
 pyridinyl, and methylpiperidinyl;
 20 R_{7b} is:
 (i) C₁₋₄ alkyl, C₁₋₂ fluoroalkyl, C₁₋₂ cyanoalkyl, C₁₋₄ hydroxyalkyl, $-(\text{CH}_2)_{2-3}\text{C}\equiv\text{CH}$,
 $-(\text{CH}_2)_{1-2}\text{O}(\text{C}_{1-2} \text{ alkyl})$, $-(\text{CH}_2)_{1-2}\text{S}(\text{O})_2(\text{C}_{1-2} \text{ alkyl})$, $-(\text{CH}_2)_{0-3}\text{NR}_x\text{R}_y$,
 $-\text{CH}_2\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{NR}_x(\text{C}_{1-4} \text{ hydroxyalkyl})$, $-\text{NR}_x(\text{CR}_x\text{R}_x)_{1-2}\text{O}(\text{C}_{1-2} \text{ alkyl})$,
 $-\text{NR}_y(\text{C}_{1-2} \text{ cyanoalkyl})$, $-\text{NR}_x(\text{C}_{1-2} \text{ fluoroalkyl})$, $-\text{NR}_x(\text{C}_{2-5} \text{ hydroxyfluoroalkyl})$,
 25 $-\text{NR}_x(\text{CH}_2)_{1-2}\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{NR}_x(\text{CH}_2)_{1-3}\text{NR}_x\text{R}_x$, $-\text{NR}_x\text{CH}_2\text{CH}_2\text{NR}_x\text{R}_x$,
 $-\text{NR}_x\text{C}(\text{O})(\text{CH}_2)_{1-2}\text{NR}_x\text{R}_x$, $-\text{O}(\text{CH}_2)_{1-3}\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})(\text{C}_{1-3} \text{ alkyl})$,
 $-\text{C}(\text{O})\text{CH}_2\text{NR}_x\text{R}_x$, $-\text{S}(\text{O})_2(\text{C}_{1-2} \text{ alkyl})$, $-(\text{CH}_2)_{1-2}\text{R}_{7d}$, $-\text{CR}_x\text{R}_x\text{C}(\text{O})\text{R}_{7d}$,
 $-\text{C}(\text{O})\text{CR}_x\text{R}_x\text{R}_{7d}$, $-\text{NHR}_{7d}$, $-\text{NH}(\text{CH}_2)_{1-2}\text{R}_{7d}$, or $-\text{OR}_{7d}$; or
 (ii) azepanyl, azetidiny, bicyclo[1.1.1]pentanyl, C₃₋₆ cycloalkyl, diazepanyl,
 30 dioxothiomorpholinyl, morpholinyl, oxazaspiro[3.3]heptanyl, oxetanyl,

piperazinonyl, piperaziny, piperidiny, pyridiny, pyrrolidinonyl, pyrrolidiny, tetrahydrofurany, tetrahydroisoquinolinyl, or tetrahydropyrany, each substituted with zero to 1 R_{8a} and zero to 3 R_{8b};

each R_{7c} is independently F, -CH₃ or -CH₂CN;

- 5 R_{7d} is azaspiro[3.5]nonany, bicyclo[1.1.1]pentany, C₃₋₆ cycloalkyl, morpholinyl, oxetany, phenyl, piperidiny, pyrazoly, pyrrolidinyl, tetrahydrofurany, or tetrahydropyrany, each substituted with zero to 1 substituent selected from C₁₋₃ alkyl, -NH₂, -C(O)CH₃, methylpiperidiny, methylpyrrolidinyl, tetramethylpiperidiny, -OCH₂CH₂(pyrrolidinyl), and -OCH₂CH₂NHCH₂CH₃; and zero to 4 substituents
10 selected from -CH₃;

R₈ is H or C₁₋₂ alkyl;

or R₇ and R₈ together with the nitrogen atom to which they are attached form a

- heterocyclic ring selected from azetidiny, diazepanony, diazepany, diazaspiro[3.3]heptany, diazaspiro[3.5]nonany, diazaspiro[5.5]undecany,
15 imidazoly, imidazolidinony, octahydro-1H-pyrrolo[3,4-b]pyridiny, piperaziny, piperidiny, pyrrolidinony, pyrrolidiny, and pyrroly, wherein said heterocyclic ring is substituted with zero to 1 R_{7b} and zero to 2 R_{7c};

R_{8a} is -OH, C₁₋₄ alkyl, C₁₋₃ fluoroalkyl, -(CH₂)₁₋₂O(C₁₋₂ alkyl), -C(O)(C₁₋₂ alkyl),

- CH₂(C₃₋₆ cycloalkyl), -(CH₂)₁₋₂(methyl phenyl), -(CH₂)₁₋₃(pyrrolidinyl),
20 -(CH₂)₁₋₂(methylpyrazoly), -(CH₂)₁₋₂(thiophenyl), -NR_xR_x, C₃₋₆ cycloalkyl, methylpiperidiny, or pyridiny;

each R_{8b} is independently F or -CH₃;

R₉ is C₁₋₃ alkyl, C₁₋₅ hydroxyalkyl, C₂₋₅ hydroxy fluoroalkyl, C₁₋₂ aminoalkyl,

- (CH₂)₁₋₂O(C₁₋₂ alkyl), -(CH₂)₁₋₃N(CH₃)₂, -(CH₂)₁₋₂C(O)NH₂, -(CH₂)₁₋₂S(O)₂OH,
25 -(CH₂)₁₋₂CR_xR_xNHS(O)₂CH₃, or -(CH₂)₀₋₃R_{9a};

R_{9a} is C₅₋₇ cycloalkyl, furany, phenyl, piperaziny, piperidiny, pyrazoly, pyridiny,

pyrrolidinyl, quinuclidiny, thiazoly, or octahydrocyclopenta[c]pyrroly, each substituted with zero to 2 substituents independently selected from -OH, C₁₋₃ alkyl, -NR_xR_x, oxetany, phenyl, piperaziny, piperidiny, and pyrrolidinyl;

- 30 R₁₀ is H, C₁₋₃ alkyl, -(CH₂)₁₋₂O(C₁₋₂ alkyl), or C₃₋₆ cycloalkyl;

- or R₉ and R₁₀ together with the nitrogen atom to which they are attached form a heterocyclic ring selected from azabicyclo[3.1.1]heptanyl, azaspiro[5.5]undecanyl, diazabicyclo[2.2.1]heptanyl, diazabicyclo[3.1.1]heptanyl, diazabicyclo[3.2.0]heptanyl, diazaspino[3.5]nonanyl, diazaspino[4.4]nonanyl, diazaspino[4.5]decanyl, diazepanyl, indolynyl, morpholynyl, octahydropyrrolo[3,4-c]pyrrolyl, piperazinonyl, piperazinyl, piperidinyl, and pyrrolidinyl, each substituted with zero to 3 R_{10a};
- each R_{10a} is independently C₁₋₃ alkyl, C₁₋₃ hydroxyalkyl, $-(CH_2)_{1-2}O(C_{1-2} \text{ alkyl})$, $-(CH_2)_{1-2}NR_xR_x$, $-CH_2C(O)NR_xR_x$, $-CH_2(\text{methyltriazolyl})$, $-CH_2CH_2(\text{phenyl})$, $-CH_2CH_2(\text{morpholynyl})$, $-C(O)(C_{1-2} \text{ alkyl})$, $-C(O)NH_2$, $-C(O)N(C_{1-2} \text{ alkyl})_2$, $-C(O)CH_2NR_xR_x$, $-NR_xR_x$, $-NHC(O)(C_{1-2} \text{ alkyl})$, $-C(O)(\text{furanyl})$, $-O(\text{piperidinyl})$, $-C(O)CH_2(\text{diethylcarbamoylpiperidinyl})$, methylpiperazinyl, piperidinyl, methylpiperidinyl, diethylcarbamoylpiperidinyl, isopropylpiperidinyl, pyridinyl, trifluoromethylpyridinyl, pyrimidinyl, or dihydrobenzo[d]imidazolonyl;
- R₁₁ is azetidynyl, azaspiro[3.5]nonanyl, dioxidothiomorpholynyl, hexahydropyrrolo[3,4-c]pyrrolyl, morpholynyl, piperazinyl, piperidinyl, pyridinyl, or pyrrolidinyl, each substituted with zero to 3 substituents independently selected from F, Cl, $-CN$, C₁₋₃ alkyl, C₁₋₂ aminoalkyl, $-CH_2(\text{phenyl})$, $-C(O)CH_2NR_xR_x$, $-CH_2CR_xR_xOH$, $-CH_2C(O)NR_xR_x$, $-CH_2CH_2S(O)_2(C_{1-3} \text{ alkyl})$, $-CH_2CH_2S(O)(C_{1-3} \text{ alkyl})$, oxetanyl, tetrahydrofuranyl, and tetrahydropyranyl;
- each R_{12a} is independently $-OH$, C₁₋₄ alkyl, C₁₋₃ fluoroalkyl, C₁₋₂ cyanoalkyl, C₁₋₄ hydroxyalkyl, $-(CH_2)_{1-2}O(C_{1-2} \text{ alkyl})$, $-CH_2C(O)NR_xR_x$, $-(CH_2)_{1-2}S(O)_2(C_{1-2} \text{ alkyl})$, $-(CH_2)_{1-2}NHS(O)_2(C_{1-2} \text{ alkyl})$, $-(CH_2)_{1-2}NR_xR_x$, C₁₋₂ alkoxy, $-NR_yR_y$, $-NR_x(C_{1-3} \text{ fluoroalkyl})$, $-NR_x(C_{2-5} \text{ hydroxyfluoroalkyl})$, $-NR_x(CH_2CR_xR_x)OCH_3$, $-NR_x(C_{1-2} \text{ cyanoalkyl})$, $-NR_xCH_2NR_xR_x$, $-NR_x(C_{1-4} \text{ hydroxyalkyl})$, $-NR_x(CH_2C(O)NH_2)$, $-NR_x(OCH_3)$, $-NR_xCH_2CH_2S(O)_2(C_{1-2} \text{ alkyl})$, $-NR_x(CH_2CR_xR_xOCH_3)$, $-NR_xC(O)CH_3$, $-NR_xC(O)(C_{1-4} \text{ fluoroalkyl})$, $-NR_xC(O)CR_xR_xNR_xR_x$, $-NR_xC(O)CH_2NR_yR_y$, $-NR_xC(O)CH_2NR_x(C_{1-4} \text{ hydroxyalkyl})$, $-NR_xCH_2C(O)NR_xR_x$, $-NR_xS(O)_2CH_3$, $-C(O)(C_{1-5} \text{ alkyl})$, $-C(O)CH_2O(C_{1-2} \text{ alkyl})$, $-C(O)CH_2CH_2O(C_{1-2} \text{ alkyl})$, $-C(O)CH_2NR_xR_x$,

$-\text{C}(\text{O})\text{CHR}_x\text{NR}_y\text{R}_y$, R_{12b} , $-\text{CR}_x\text{R}_x\text{R}_{12b}$, $-\text{C}(\text{O})\text{R}_{12b}$, $-\text{C}(\text{O})\text{CH}_2\text{NR}_x\text{R}_{12b}$,
 $-\text{C}(\text{O})\text{NR}_x\text{R}_{12b}$, $-\text{NR}_x\text{C}(\text{O})\text{CR}_x\text{R}_x\text{R}_{12b}$, $-\text{NR}_x\text{R}_{12b}$, $-\text{N}(\text{CH}_2\text{CN})\text{R}_{12b}$, $-\text{NR}_x\text{CR}_x\text{R}_x\text{R}_{12b}$,
 $-\text{NR}_x\text{C}(\text{O})\text{CH}_2\text{NR}_x\text{R}_{12b}$, $-\text{NR}_x\text{C}(\text{O})\text{CH}_2\text{NR}_x\text{CH}_2\text{R}_{12b}$, $-\text{NR}_x\text{CH}_2\text{C}(\text{O})\text{NR}_x\text{R}_{12b}$, or
 $-\text{OR}_{12b}$; or two R_{12a} and the carbon atom to which they are attached form $\text{C}=\text{O}$;

- 5 R_{12b} is azetidiny, bicyclo[1.1.1]pentany, C_{3-6} cycloalkyl, diazabicyclo[2.2.1]heptany, dioxolany, dioxidotetrahydrothiopyrany, dioxidothiomorpholinyl, imidazolyl, morpholinyl, octahydrocyclopenta[c]pyrrolyl, octahydropyrrolo[3,4-c]pyrrolyl, oxaazaspiro[3.3]heptany, oxetany, phenyl, piperaziny, piperazinonyl, piperidinyl, pyridinyl, pyrrolidinyl, quinuclidinyl, tetrahydrofurany, tetrahydropyrany, or
 10 triazolyl, each substituted with zero to 4 substituents independently selected from F, Cl, $-\text{OH}$, C_{1-3} alkyl, C_{1-2} hydroxyalkyl, C_{1-2} alkoxy, $-(\text{CH}_2)_{1-2}\text{O}(\text{C}_{1-2}$ alkyl), $-\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{NR}_x\text{R}_x$, and $-\text{CH}_2\text{S}(\text{O})_2(\text{C}_{1-2}$ alkyl);

each R_{14a} is independently:

- (i) H, F, Cl, $-\text{OH}$, C_{1-5} alkyl, C_{1-2} fluoroalkyl, C_{1-2} hydroxyalkyl, $-(\text{CH}_2)_{0-2}\text{OCH}_3$,
 15 $-\text{CHR}_x\text{NR}_x(\text{C}_{1-5}$ alkyl), $-\text{CHR}_x\text{NR}_x(\text{C}_{1-2}$ cyanoalkyl), $-\text{CHR}_x\text{NR}_x((\text{CH}_2)_{1-2}\text{OCH}_3)$,
 $-\text{CHR}_x\text{N}((\text{CH}_2)_{1-2}\text{OCH}_3)_2$, $-\text{CH}_2\text{NR}_x(\text{CH}_2\text{C}\equiv\text{CR}_x)$, $-\text{CH}_2\text{NR}_x\text{CH}_2\text{CH}_2\text{NR}_x\text{R}_x$,
 $-(\text{CH}_2)_{1-3}\text{CR}_x\text{R}_x\text{NR}_x\text{R}_x$, $-\text{CH}(\text{NH}_2)(\text{CH}_2)_{3-4}\text{NR}_x\text{R}_x$, $-\text{CH}_2\text{NR}_x(\text{CH}_2)_{1-2}\text{O}(\text{C}_{1-3}$ alkyl),
 $-\text{CH}_2\text{NR}_x(\text{CH}_2)_{1-2}\text{O}(\text{CH}_2)_{1-2}\text{OH}$, $-\text{CH}_2\text{NH}(\text{CH}_2)_{1-2}\text{S}(\text{O})_2\text{OH}$, $-\text{CH}_2\text{C}(\text{O})\text{NR}_x\text{R}_x$,
 $-\text{NR}_x\text{R}_y$, $-\text{NR}_x(\text{CH}_2)_{2-3}\text{NR}_x\text{R}_x$, $-\text{NR}_x\text{C}(\text{O})(\text{C}_{1-2}$ alkyl), $-\text{NR}_x\text{C}(\text{O})(\text{C}_{1-2}$ fluoroalkyl),
 20 $-\text{NR}_x\text{C}(\text{O})\text{O}(\text{C}_{1-3}$ alkyl), $-\text{NR}_x\text{C}(\text{O})(\text{CH}_2)_{1-2}\text{NR}_x\text{R}_x$, $-\text{NR}_x\text{CH}_2\text{C}(\text{O})\text{CH}_2\text{NR}_x\text{R}_x$,
 $-\text{C}(\text{O})(\text{C}_{1-2}$ alkyl), $-\text{C}(\text{O})\text{CH}_2\text{CR}_x\text{R}_x\text{OH}$, $-\text{C}(\text{O})\text{CH}_2\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{NR}_x\text{R}_x$,
 $-\text{C}(\text{O})\text{NR}_x(\text{CH}_2\text{CN})$, $-\text{C}(\text{O})\text{NR}_x(\text{CR}_x\text{R}_x)_{2-3}\text{NR}_x\text{R}_x$,
 $-\text{C}(\text{O})\text{N}(\text{CH}_2\text{CH}_3)(\text{CR}_x\text{R}_x)_{2-3}\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{NR}_x\text{CH}_2\text{C}(\text{O})\text{NR}_x\text{R}_x$,
 $-\text{C}(\text{O})\text{NR}_x\text{CH}_2\text{CH}_2\text{NR}_x\text{C}(\text{O})\text{CH}_3$, $-\text{O}(\text{CR}_x\text{R}_x)_{2-3}\text{NR}_x\text{R}_x$, $-\text{S}(\text{O})_2\text{NR}_x\text{R}_x$, or
 25 $-\text{C}(\text{O})\text{CH}_2\text{S}(\text{O})_2(\text{C}_{1-2}$ alkyl);
- (ii) 8-azabicyclo[3.2.1]octany, azaspiro[3.5]nonany, azetidiny, benzo[c][1,2,5]oxadiazolyl, cyclopentyl, cyclohexyl, diazepany, morpholinyl, phenyl, piperaziny, piperidinyl, pyrazolyl, pyridinyl, pyrrolidinonyl, quinolinyl, quinuclidinyl, tetrahydroisoquinolinyl, tetrahydropyridinyl, or thiazolidinyl, each

- substituted with zero to 2 substituents independently selected from C₁₋₄ alkyl, C₁₋₂ fluoroalkyl, C₁₋₄ hydroxyalkyl, -NR_xR_x, -(CH₂)₁₋₂NR_xR_x, -C(O)(C₁₋₂ alkyl), -C(O)CH₂NR_xR_x, -C(O)O(C₁₋₃ alkyl), -CH₂C(O)NR_xR_x, C₃₋₆ cycloalkyl, -CH₂(phenyl), -CH₂(pyrrolyl), -CH₂(morpholinyl), -CH₂(methylpiperazinyl), -CH₂(thiophenyl), methylpiperidinyl, isobutylpiperidinyl, and pyridinyl; or
- (iii) -L₃-R_{14c};
- each R_{14b} is F, -CH₃, or -OCH₃;
- L₃ is -(CR_xR_x)₁₋₃-, -CH(NH₂)-, -CR_xR_xNH-, -C(O)-, -C(O)NR_x(CH₂)₀₋₄-, -NR_x-, -NR_xC(O)-, -NR_xCH₂-, -NR_xCH₂C(O)-, -O-, or -O(CH₂)₁₋₂-; and
- R_{14c} is adamantanyl, azetidiny, C₃₋₆ cycloalkyl, diazepanyl, imidazolyl, indolyl, morpholinyl, octahydropyrrolo[3,4-c]pyrrolyl, phenyl, piperazinonyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinonyl, pyrrolidinyl, or tetrazolyl, each substituted with zero to 1 substituent selected from F, -OH, C₁₋₄ alkyl, C₁₋₃ hydroxyalkyl, -NR_xR_y, -NR_xC(O)CH₃, -C(O)(C₁₋₂ alkyl), -C(O)NR_xR_x, -C(O)N(CH₂CH₃)₂, -C(O)(tetrahydrofuranyl), -C(O)O(C₁₋₂ alkyl), -CH₂C(O)NR_xR_y, morpholinyl, methylpiperidinyl, pyrazinyl, pyridinyl, and pyrrolidinyl;
- and G is defined in the first aspect or the second aspect.

One embodiment provides a compound of Formula (I), N-oxide, or a salt thereof, wherein:

- A is:
- (i) -O-L₁-R₆;
- (ii) -NR₇R₈;
- (iii) -L₂-C(O)NR₉R₁₀;
- (iv) -(CR_xR_x)₁₋₂R₁₁, C₁₋₂ aminoalkyl, -(CR_xR_x)₁₋₂NR_xC(O)R₁₁, -CH₂NR_xC(O)(CH₂)₁₋₂(piperidinyl), -CH₂NR_xC(O)OCH₂(piperidinyl), or -CH₂NR_xC(O)(CH₂)₁₋₂NR_xR_x;
- (v) -CR_xR₁₂R₁₃, wherein R₁₂ and R₁₃ together with the carbon atom to which they are attached form a cyclic group selected from azabicyclo[4.1.1]octanyl, azepanyl, azetidiny, C₃₋₇ cycloalkyl, diazepanyl, diazaspiro[4.5]decanonyl, morpholinyl, octahydrocyclopenta[c]pyrrolyl, piperazinyl, piperidinyl, pyrrolidinyl, and

quinuclidinyl, each substituted with zero to 3 R_{12a} ;

(vi) $-\text{CR}_x=\text{CR}_x(\text{piperidinyl})$; or

(vii) an aromatic group selected from [1,2,4]triazolo[1,5-a]pyridinyl,

imidazo[1,2-a]pyridinyl, imidazolyl, indazolyl, isoquinolinyl, oxadiazolyl, oxazolyl,
 5 phenyl, pyrazinyl, pyrazolo[3,4-b]pyridinyl, pyrazolyl, pyridazinyl, pyridinyl,
 pyrimidinyl, pyrrolyl, quinolinonyl, quinolinyl, quinoxaliny, tetrahydro-
 [1,2,4]triazolo[1,5-a]pyrazinyl, tetrahydroimidazo[1,2-a]pyrazinyl,
 tetrahydroisoquinolinyl, tetrahydrothiazolo[5,4-c]pyridinyl,
 tetrahydrothieno[2,3-c]pyridinyl, thiadiazolyl, thiazolyl, thiooxadiazolyl, and
 10 triazolyl, each substituted with zero to 2 R_{14a} and zero to 3 R_{14b} ;

L_1 is bond, $-(\text{CR}_x\text{R}_x)_{1-2}-$, $-\text{CH}_2\text{C}(\text{O})-$, $-\text{CH}_2\text{C}(\text{O})\text{NR}_x(\text{CR}_x\text{R}_x)_{0-2}-$, $-\text{CH}_2\text{NR}_x\text{C}(\text{O})-$, or
 $-\text{CH}_2\text{NR}_x\text{C}(\text{O})\text{CH}_2-$;

L_2 is a bond or $-(\text{CR}_x\text{R}_x)_{1-2}-$;

R_1 is H, Cl, $-\text{CN}$, C_{1-4} alkyl, C_{1-2} fluoroalkyl, C_{1-2} hydroxyalkyl, or $-\text{C}(\text{O})\text{O}(\text{C}_{1-2}$ alkyl);

15 each R_2 is independently F, Cl, $-\text{CN}$, $-\text{OH}$, C_{1-3} alkyl, C_{1-2} fluoroalkyl, C_{1-2} cyanoalkyl,
 C_{1-3} hydroxyalkyl, C_{1-2} aminoalkyl, $-(\text{CH}_2)_{0-2}\text{O}(\text{C}_{1-3}$ alkyl), C_{3-6} cycloalkyl,
 $-\text{NR}_x\text{R}_x$, $-(\text{CH}_2)_{0-2}\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-(\text{CH}_2)_{0-2}\text{S}(\text{O})_2(\text{C}_{1-3}$ alkyl), $-\text{CH}_2(\text{C}_{3-6}$ cycloalkyl),
 $-\text{CH}_2(\text{phenyl})$, or phenyl;

R_{2a} is C_{1-4} alkyl, C_{1-2} fluoroalkyl, C_{1-4} hydroxyalkyl, $-(\text{CH}_2)_{1-3}\text{OCH}_3$, C_{3-6} cycloalkyl,
 20 $-\text{CH}_2\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{CH}_2(\text{C}_{3-6}$ cycloalkyl), $-\text{CH}_2(\text{phenyl})$, tetrahydrofuranlyl, or
 phenyl;

each R_{2b} is independently H, F, Cl, $-\text{CN}$, $-\text{NR}_x\text{R}_x$, C_{1-6} alkyl, C_{1-2} fluoroalkyl, C_{1-3}
 hydroxyalkyl, $-(\text{CH}_2)_{0-2}\text{O}(\text{C}_{1-2}$ alkyl), $-(\text{CH}_2)_{0-2}\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-(\text{CH}_2)_{1-3}(\text{cyclopropyl})$,
 $-\text{C}(\text{O})\text{O}(\text{C}_{1-2}$ alkyl), $-\text{C}(\text{O})\text{NR}_x(\text{C}_{1-3}$ alkyl), $-\text{CR}_x=\text{CH}_2$, or $-\text{CH}=\text{CH}(\text{C}_{3-6}$
 25 cycloalkyl);

each R_5 is independently F, Cl, $-\text{CN}$, C_{1-2} alkyl, or $-\text{OCH}_3$;

R_6 is:

(i) $-\text{CH}_2\text{C}(\text{O})\text{NHCH}_2\text{CR}_x\text{R}_x\text{OH}$, $-\text{CH}_2\text{C}(\text{O})\text{NHCH}_2\text{CH}_2\text{CR}_x\text{R}_x\text{OH}$,
 $-\text{CH}_2\text{C}(\text{O})\text{NHCH}_2\text{CH}_2\text{NR}_x\text{R}_x$, or $-\text{CH}_2\text{C}(\text{O})\text{NHCH}_2\text{CHFCR}_x\text{R}_x\text{OH}$; or
 30 (ii) azabicyclo[3.2.1]octanyl, azaspiro[5.5]undecanyl, azetidiny, C_{3-6} cycloalkyl,

diazabicyclo[2.2.1]heptanyl, diazaspiro[3.5]nonanyl, morpholinyl, tetrahydropyranyl, octahydrocyclopenta[c]pyrrolyl, piperazinyl, piperidinyl, pyrrolidinyl, or quinuclidinyl, each substituted with zero to 3 R_{6a};

each R_{6a} is independently F, -OH, C₁₋₄ alkyl, C₁₋₄ fluoroalkyl, C₁₋₄ hydroxyalkyl,

- 5 -(CH₂)₁₋₂OCH₃, -NR_xR_x, -(CH₂)₁₋₂NR_xR_x, -(CH₂)₁₋₂S(O)₂(C₁₋₂ alkyl),
 -(CH₂)₁₋₂C(O)NR_xR_x, -C(O)CH₂NR_xR_x, oxetanyl, tetrahydrofuranlyl,
 tetrahydropyranyl, piperidinyl, isobutylpiperidinyl, piperazinyl, or -O(piperidinyl);

R₇ is:

- (i) R_{7a}, -CH₂R_{7a}, -C(O)R_{7a}, -C(O)CH(NH₂)R_{7a}, -C(O)(CH₂)₁₋₃NH₂,
 10 -C(O)CH(NH₂)(C₁₋₄ alkyl), -C(O)CH(NH₂)(CH₂)₁₋₂C(O)OH,
 -C(O)CH(NH₂)(CH₂)₂₋₄NH₂, or -C(O)CH(NH₂)(CH₂)₁₋₃C(O)NH₂; or
 (ii) C₃₋₆ cycloalkyl substituted with one substituent selected from
 -NR_x(CH₂)₂₋₃NR_xR_x, -NH(CH₂)₂₋₃NHCH₃, -NH(methylpiperidinyl),
 -NH(CH₂)₂₋₃(morpholinyl), dimethylamino piperidinyl, and piperazinyl
 15 substituted with a substituent selected from C₁₋₄ alkyl, -C(O)CH₃,
 -(CH₂)₁₋₂OCH₃, -CH₂(methylphenyl), -(CH₂)₂₋₃(pyrrolidinyl), C₃₋₆ cycloalkyl,
 pyridinyl, and methylpiperidinyl;

R_{7b} is:

- (i) C₁₋₄ alkyl, C₁₋₃ hydroxyalkyl, -(CH₂)₂₋₃C≡CH, -(CH₂)₁₋₂O(C₁₋₂ alkyl),
 20 -(CH₂)₁₋₂S(O)₂(C₁₋₂ alkyl), -(CH₂)₀₋₃NR_xR_y, -CH₂C(O)NR_xR_x, -NR_x(C₁₋₄
 hydroxyalkyl), -NR_y(C₁₋₂ cyanoalkyl), -NR_x(C₁₋₂ fluoroalkyl), -NR_x(C₂₋₄
 hydroxyfluoroalkyl), -NR_x(CH₂)₁₋₂C(O)NR_xR_x, -NR_x(CH₂)₁₋₃NR_xR_x,
 -NR_xCH₂CH₂NR_xR_x, -NR_xC(O)(CH₂)₁₋₂NR_xR_x, -O(CH₂)₁₋₃NR_xR_x,
 -C(O)CH₂NR_xR_x, -(CH₂)₁₋₂R_{7d}, -NHR_{7d}, -NH(CH₂)₁₋₂R_{7d}, or -OR_{7d}; or
 25 (ii) azepanyl, azetidiny, diazepanyl, dioxothiomorpholinyl, morpholinyl,
 oxaazaspiro[3.3]heptanyl, oxetanyl, piperazinonyl, piperazinyl, piperidinyl,
 pyridinyl, pyrrolidinonyl, pyrrolidinyl, or tetrahydroisoquinolinyl, each substituted
 with zero to 1 R_{8a} and zero to 3 R_{8b};

each R_{7c} is independently F, -CH₃ or -CH₂CN;

R_{7d} is azaspiro[3.5]nonanyl, bicyclo[1.1.1]pentanyl, C₃₋₆ cycloalkyl, morpholinyl, oxetanyl, phenyl, piperidinyl, pyrazolyl, pyrrolidinyl, tetrahydrofuranyl, or tetrahydropyranyl, each substituted with zero to 1 substituent selected from C₁₋₃ alkyl, -NH₂, -C(O)CH₃, methylpiperidinyl, methylpyrrolidinyl, tetramethylpiperidinyl, -OCH₂CH₂(pyrrolidinyl), and -OCH₂CH₂NHCH₂CH₃; and zero to 4 substituents selected from -CH₃;

R₈ is H or C₁₋₂ alkyl;
or R₇ and R₈ together with the nitrogen atom to which they are attached form a heterocyclic ring selected from azetidiny, diazepanonyl, diazepanyl, diazaspiro[3.5]nonanyl, diazaspiro[5.5]undecanyl, imidazolyl, imidazolidinonyl, octahydro-1H-pyrrolo[3,4-b]pyridinyl, piperazinyl, piperidinyl, pyrrolidinonyl, pyrrolidinyl, and pyrrolyl, wherein said heterocyclic ring is substituted with zero to 1 R_{7b} and zero to 2 R_{7c};

R_{8a} is -OH, C₁₋₄ alkyl, C₁₋₃ fluoroalkyl, -(CH₂)₁₋₂O(C₁₋₂ alkyl), -C(O)(C₁₋₂ alkyl), -CH₂(C₃₋₆ cycloalkyl), -(CH₂)₁₋₂(methyl phenyl), -(CH₂)₁₋₃(pyrrolidinyl), -(CH₂)₁₋₂(methylpyrazolyl), -(CH₂)₁₋₂(thiophenyl), -NR_xR_x, C₃₋₆ cycloalkyl, methylpiperidinyl, or pyridinyl;

each R_{8b} is independently F or -CH₃;

R₉ is C₁₋₃ alkyl, C₁₋₅ hydroxyalkyl, C₂₋₅ hydroxy fluoroalkyl, C₁₋₂ aminoalkyl, -(CH₂)₁₋₂O(C₁₋₂ alkyl), -(CH₂)₁₋₃N(CH₃)₂, -(CH₂)₁₋₂C(O)NH₂, -(CH₂)₁₋₂S(O)₂OH, -(CH₂)₁₋₂CR_xR_xNHS(O)₂CH₃, or -(CH₂)₀₋₃R_{9a};

R_{9a} is C₅₋₇ cycloalkyl, furanyl, phenyl, piperazinyl, piperidinyl, pyrazolyl, pyridinyl, pyrrolidinyl, quinuclidinyl, thiazolyl, or octahydrocyclopenta[c]pyrrolyl, each substituted with zero to 2 substituents independently selected from -OH, C₁₋₃ alkyl, -NR_xR_x, oxetanyl, phenyl, piperazinyl, piperidinyl, and pyrrolidinyl;

R₁₀ is H, C₁₋₃ alkyl, -(CH₂)₁₋₂O(C₁₋₂ alkyl), or C₃₋₆ cycloalkyl;

or R₉ and R₁₀ together with the nitrogen atom to which they are attached form a heterocyclic ring selected from azabicyclo[3.1.1]heptanyl, azaspiro[5.5]undecanyl, diazabicyclo[2.2.1]heptanyl, diazabicyclo[3.1.1]heptanyl, diazabicyclo[3.2.0]heptanyl, diazaspiro[3.5]nonanyl, diazaspiro[4.4]nonanyl,

diazaspiro[4.5]decanyl, diazepanyl, indolynyl, morpholynyl, octahydropyrrolo[3,4-c]pyrrolyl, piperazinonyl, piperazynyl, piperidinyl, and pyrrolidinyl, each substituted with zero to 3 R_{10a};

each R_{10a} is independently C₁₋₃ alkyl, C₁₋₃ hydroxyalkyl, -(CH₂)₁₋₂O(C₁₋₂ alkyl),

- 5 -(CH₂)₁₋₂NR_xR_x, -CH₂C(O)NR_xR_x, -CH₂(methyltriazolyl), -CH₂CH₂(phenyl),
 -CH₂CH₂(morpholynyl), -C(O)(C₁₋₂ alkyl), -C(O)NH₂, -C(O)N(C₁₋₂ alkyl)₂,
 -C(O)CH₂NR_xR_x, -NR_xR_x, -NHC(O)(C₁₋₂ alkyl), -C(O)(furanyl), -O(piperidinyl),
 -C(O)CH₂(diethylcarbamoylepiperidinyl), methylpiperazynyl, piperidinyl,
 methylpiperidinyl, diethylcarbamoylepiperidinyl, isopropylepiperidinyl, pyridinyl,
 10 trifluoromethylpyridinyl, pyrimidinyl, or dihydrobenzo[d]imidazolonyl;

R₁₁ is azetidynyl, azaspiro[3.5]nonanyl, dioxidothiomorpholynyl,

- hexahydropyrrolo[3,4-c]pyrrolyl, morpholynyl, piperazynyl, piperidinyl, pyridinyl, or
 pyrrolidinyl, each substituted with zero to 3 substituents independently selected from
 F, Cl, -CN, C₁₋₃ alkyl, C₁₋₂ aminoalkyl, -CH₂(phenyl), -C(O)CH₂NR_xR_x,
 15 -CH₂CR_xR_xOH, -CH₂C(O)NR_xR_x, -CH₂CH₂S(O)₂(C₁₋₃ alkyl), -CH₂CH₂S(O)(C₁₋₃
 alkyl), oxetanyl, tetrahydrofuranyl, and tetrahydropyranyl;

each R_{12a} is independently -OH, C₁₋₄ alkyl, C₁₋₃ fluoroalkyl, C₁₋₂ cyanoalkyl, C₁₋₄

- hydroxyalkyl, -(CH₂)₁₋₂O(C₁₋₂ alkyl), -CH₂C(O)NR_xR_x, -(CH₂)₁₋₂S(O)₂(C₁₋₂
 alkyl), -(CH₂)₁₋₂NHS(O)₂(C₁₋₂ alkyl), -(CH₂)₁₋₂NR_xR_x, C₁₋₂ alkoxy, -NR_yR_y,
 20 -NR_x(C₁₋₃ fluoroalkyl), -NR_x(CH₂CR_xR_x)OCH₃, -NR_x(C₁₋₂ cyanoalkyl),
 -NR_xCH₂NR_xR_x, -NR_x(C₁₋₄ hydroxyalkyl), -NR_x(CH₂C(O)NH₂), -NR_x(OCH₃),
 -NR_xCH₂CH₂S(O)₂(C₁₋₂ alkyl), -NR_xC(O)CH₃, -NR_xC(O)(C₁₋₄ fluoroalkyl),
 -NR_xC(O)CR_xR_xNR_xR_x, -NR_xC(O)CH₂NR_yR_y, -NR_xC(O)CH₂NR_x(C₁₋₄
 hydroxyalkyl), -NR_xCH₂C(O)NR_xR_x, -NR_xS(O)₂CH₃, -C(O)(C₁₋₅ alkyl),
 25 -C(O)CH₂O(C₁₋₂ alkyl), -C(O)CH₂CH₂O(C₁₋₂ alkyl), -C(O)CH₂NR_xR_x,
 -C(O)CHR_xNR_yR_y, R_{12b}, -CR_xR_xR_{12b}, -C(O)R_{12b}, -C(O)CH₂NR_xR_{12b},
 -C(O)NR_xR_{12b}, -NR_xC(O)CR_xR_xR_{12b}, -NR_xR_{12b}, -NR_xCR_xR_xR_{12b}, -N(CH₂CN)R_{12b},
 -NR_xC(O)CH₂NR_xR_{12b}, -NR_xC(O)CH₂NR_xCH₂R_{12b}, -NR_xCH₂C(O)NR_xR_{12b}, or
 -OR_{12b}; or two R_{12a} and the carbon atom to which they are attached form C=O;

- 30 R_{12b} is azetidynyl, bicyclo[1.1.1]pentanyl, C₃₋₆ cycloalkyl, diazabicyclo[2.2.1]heptanyl,

dioxolanyl, dioxidotetrahydrothiopyranyl, dioxidothiomorpholinyl, imidazolyl, morpholinyl, octahydrocyclopenta[c]pyrrolyl, octahydropyrrolo[3,4-c]pyrrolyl, oxazaspiro[3.3]heptanyl, oxetanyl, phenyl, piperazinyl, piperazinonyl, piperidinyl, pyridinyl, pyrrolidinyl, quinuclidinyl, tetrahydrofuranlyl, tetrahydropyranyl, or triazolyl, each substituted with zero to 4 substituents independently selected from F, Cl, -OH, C₁₋₃ alkyl, C₁₋₂ hydroxyalkyl, C₁₋₂ alkoxy, -(CH₂)₁₋₂O(C₁₋₂ alkyl), -NR_xR_x, -C(O)NR_xR_x, and -CH₂S(O)₂(C₁₋₂ alkyl);

each R_{14a} is independently:

- (i) H, F, Cl, -OH, C₁₋₅ alkyl, C₁₋₂ fluoroalkyl, C₁₋₂ hydroxyalkyl, -(CH₂)₀₋₂OCH₃, -CHR_xNR_x(C₁₋₅ alkyl), -CHR_xNR_x(C₁₋₂ cyanoalkyl), -CHR_xNR_x((CH₂)₁₋₂OCH₃), -CHR_xN((CH₂)₁₋₂OCH₃)₂, -CH₂NR_x(CH₂C≡CR_x), -CH₂NR_xCH₂CH₂NR_xR_x, -(CH₂)₁₋₃CR_xR_xNR_xR_x, -CH(NH₂)(CH₂)₃₋₄NR_xR_x, -CH₂NR_x(CH₂)₁₋₂O(C₁₋₃ alkyl), -CH₂NR_x(CH₂)₁₋₂O(CH₂)₁₋₂OH, -CH₂NH(CH₂)₁₋₂S(O)₂OH, -CH₂C(O)NR_xR_x, -NR_xR_y, -NR_x(CH₂)₂₋₃NR_xR_x, -NR_xC(O)(C₁₋₂ alkyl), -NR_xC(O)(C₁₋₂ fluoroalkyl), -NR_xC(O)O(C₁₋₃ alkyl), -NR_xC(O)(CH₂)₁₋₂NR_xR_x, -NR_xCH₂C(O)CH₂NR_xR_x, -C(O)(C₁₋₂ alkyl), -C(O)CH₂CR_xR_xOH, -C(O)CH₂NR_xR_x, -C(O)NR_xR_x, -C(O)NR_x(CH₂CN), -C(O)NR_x(CR_xR_x)₂₋₃NR_xR_x, -C(O)N(CH₂CH₃)(CR_xR_x)₂₋₃NR_xR_x, -C(O)NR_xCH₂C(O)NR_xR_x, -C(O)NR_xCH₂CH₂NR_xC(O)CH₃, -O(CR_xR_x)₂₋₃NR_xR_x, -S(O)₂NR_xR_x, or -C(O)CH₂S(O)₂(C₁₋₂ alkyl);
- (ii) 8-azabicyclo[3.2.1]octanyl, azaspiro[3.5]nonanyl, azetidiny, benzo[c][1,2,5]oxadiazolyl, cyclopentyl, cyclohexyl, diazepanyl, morpholinyl, phenyl, piperazinyl, piperidinyl, pyrazolyl, pyridinyl, pyrrolidinonyl, quinolinyl, quinuclidinyl, tetrahydroisoquinolinyl, tetrahydropyridinyl, or thiazolidinyl, each substituted with zero to 2 substituents independently selected from C₁₋₄ alkyl, C₁₋₂ fluoroalkyl, C₁₋₄ hydroxyalkyl, -NR_xR_x, -(CH₂)₁₋₂NR_xR_x, -C(O)(C₁₋₂ alkyl), -C(O)CH₂NR_xR_x, -C(O)O(C₁₋₃ alkyl), -CH₂C(O)NR_xR_x, C₃₋₆ cycloalkyl, -CH₂(phenyl), -CH₂(pyrrolyl), -CH₂(morpholinyl), -CH₂(methylpiperazinyl), -CH₂(thiophenyl), methylpiperidinyl, isobutylpiperidinyl, and pyridinyl; or

(iii) $-L_3-R_{14c}$;

each R_{14b} is F, $-CH_3$, or $-OCH_3$;

L_3 is $-(CR_xR_x)_{1-3}-$, $-CH(NH_2)-$, $-CR_xR_xNH-$, $-C(O)-$, $-C(O)NR_x(CH_2)_{0-4}-$, $-NR_x-$, $-NR_xC(O)-$, $-NR_xCH_2-$, $-NR_xCH_2C(O)-$, $-O-$, or $-O(CH_2)_{1-2}-$; and

- 5 R_{14c} is adamantanyl, azetidiny, C_{3-6} cycloalkyl, diazepanyl, imidazolyl, indolyl, morpholiny, octahydropyrrolo[3,4-c]pyrrolyl, phenyl, piperazinonyl, piperazinyl, piperidiny, pyridiny, pyrrolidinonyl, pyrrolidinyl, or tetrazolyl, each substituted with zero to 1 substituent selected from F, $-OH$, C_{1-4} alkyl, C_{1-3} hydroxyalkyl, $-NR_xR_y$, $-NR_xC(O)CH_3$, $-C(O)(C_{1-2}$ alkyl), $-C(O)NR_xR_x$, $-C(O)N(CH_2CH_3)_2$,
10 $-C(O)(\text{tetrahydrofuranly})$, $-C(O)O(C_{1-2}$ alkyl), $-CH_2C(O)NR_xR_y$, morpholiny, methylpiperidiny, pyraziny, pyridiny, and pyrrolidinyl.

and G, n, and p is defined in the first aspect or the second aspect.

One embodiment provides a compound of Formula (I), N-oxide, or a salt thereof, wherein:

- 15 A is:

(i) $-O-L_1-R_6$;

(ii) $-NR_7R_8$;

(iii) $-L_2-C(O)NR_9R_{10}$;

(iv) $-CHR_xR_{11}$, $-CH_2CH_2R_{11}$, $-CH_2NH_2$, $-CH_2NHC(O)R_{11}$,

- 20 $-CH_2NHC(O)CH_2CH_2(\text{piperidiny})$, $-CH_2NHC(O)OCH_2(\text{piperidiny})$, or $-CH_2NHC(O)CH_2CH_2N(CH_3)_2$;

(v) $-CHR_{12}R_{13}$, wherein R_{12} and R_{13} together with the carbon atom to which they are attached form a cyclic group selected from azabicyclo[4.1.1]octanyl, azepanyl, azetidiny, C_{3-6} cycloalkyl, diazaspino[4.5]decanonyl, morpholiny,

- 25 octahydrocyclopenta[c]pyrrolyl, piperidiny, pyrrolidinyl, and quinuclidiny, each substituted with zero to 3 R_{12a} ;

(vi) $-CH=CH(\text{piperidiny})$; or

(vii) an aromatic group selected from [1,2,4]triazolo[1,5-a]pyridiny,

imidazo[1,2-a]pyridiny, imidazolyl, indazolyl, isoquinoliny, oxadiazolyl, oxazolyl,

- 30 phenyl, pyraziny, pyrazolo[3,4-b]pyridiny, pyrazolyl, pyridaziny, pyridiny,

- pyrimidinyl, pyrrolyl, quinolinonyl, quinolinyl, quinoxaliny, tetrahydro-
[1,2,4]triazolo[1,5-a]pyrazinyl, tetrahydroimidazo[1,2-a]pyrazinyl,
tetrahydroisoquinolinyl, tetrahydrothiazolo[5,4-c]pyridinyl,
tetrahydrothieno[2,3-c]pyridinyl, thiadiazolyl, thiazolyl, thiooxadiazolyl, and
5 triazolyl, each substituted with zero to 2 R_{14a} and zero to 3 R_{14b};
L₁ is bond, -CH₂-, -CH₂CH₂-, -CH₂C(O)-, -CH₂C(O)NH-, -CH₂C(O)N(CH₃)-,
-CH₂C(O)NHCH₂-, or -CH₂C(O)NHCH₂CH₂-;
L₂ is a bond, -CH(CH₃)-, -C(CH₃)₂-, or -CH₂CH₂-;
R₆ is:
10 (i) -CH₂C(O)NHCH₂C(CH₃)₂OH, -CH₂C(O)NHCH₂CH₂C(CH₃)₂OH,
-CH₂C(O)NHCH₂CH₂NH₂, or -CH₂C(O)NHCH₂CHFC(CH₃)₂OH; or
(ii) azabicyclo[3.2.1]octanyl, azaspiro[5.5]undecanyl, azetidiny, cyclohexyl,
diazabicyclo[2.2.1]heptanyl, diazaspiro[3.5]nonanyl, morpholinyl,
octahydrocyclopenta[c]pyrrolyl, piperazinyl, piperidinyl, pyrrolidinyl, or
15 quinuclidinyl, each substituted with zero to 2 R_{6a};
each R_{6a} is independently F, -OH, -CH₃, -CH₂CH₂CH₃, -C(CH₃)₂, -CH₂CH(CH₃)₂,
-CH₂CH₂CH₂CF₃, -CH₂CH₂OH, -CH₂CH₂CH₂OH, -CH₂CH(CH₃)OH,
-CH₂C(CH₃)₂OH, -CH₂CH₂OCH₃, -NH₂, -N(CH₃)₂, -CH₂NH₂, -CH₂CH₂NH₂,
-CH₂CH₂S(O)₂CH₃, -CH₂C(O)N(CH₃)₂, -C(O)CH₂N(CH₃)₂, oxetanyl,
20 tetrahydropyranyl, piperidinyl, isobutylpiperidinyl, or -O(piperidinyl);
R₇ is:
(i) -CH₂(isopropyl azaspiro[3.5]nonanyl), -CH₂(methylpyrrolidinyl),
-C(O)(CH₂)₁₋₃NH₂, -C(O)CH(NH₂)CH₂CH₂CH₃, -C(O)CH(NH₂)CH₂CH(CH₃)₂,
-C(O)CH(NH₂)CH(CH₃)CH₂CH₃, -C(O)CH(NH₂)CH₂CH₂C(O)OH,
25 -C(O)CH(NH₂)(CH₂)₃₋₄NH₂, -C(O)CH(NH₂)(CH₂)₁₋₂C(O)NH₂,
-C(O)CH(NH₂)(cyclohexyl), -C(O)CH(NH₂)(phenyl), -C(O)(aminocyclohexyl),
-C(O)(morpholinyl), -C(O)(pyrrolidinyl), pentamethylpiperidinyl,
methylpiperidinyl-piperidinyl, methylpyrrolidinyl-pyrrolidinyl, or phenyl
substituted with -OCH₂CH₂(pyrrolidinyl) or -OCH₂CH₂NHCH₂CH₃; or
30 (ii) cyclohexyl substituted with -NR_x(CH₂)₂₋₃N(CH₃)₂, -NHCH₂CH₂NHCH₃,

–NH(methylpiperidiny), –NH(CH₂)₂₋₃(morpholinyl), dimethylamino piperidiny, or piperazinyl substituted with –CH₃, –CH₂CH₃, –C(CH₃)₃, –CH₂CH(CH₃)₂, –C(O)CH₃, –CH₂CH₂OCH₃, –CH₂(methylphenyl), –(CH₂)₂₋₃(pyrrolidiny), cyclopentyl, pyridiny, or methylpiperidiny;

5 R_{7b} is:

(i) C₁₋₄ alkyl, C₁₋₂ fluoroalkyl, C₁₋₂ cyanoalkyl, C₃₋₄ hydroxyalkyl, –CH₂CH₂CH₂C≡CH, –CH₂CH₂OCH₃, –CH₂CH₂S(O)₂CH₃, –(CH₂)₁₋₂NR_xR_x, –CH₂C(O)NR_xR_x, –NR_xR_y, –NR_x(C₁₋₄ hydroxyalkyl), –NR_x(CH₂CR_xR_xOCH₃), –NR_y(C₁₋₂ cyanoalkyl), –NR_x(C₁₋₂ fluoroalkyl), –NR_x(C₂₋₅ hydroxyfluoroalkyl),
 10 –NR_x(CH₂)₁₋₂C(O)NR_xR_x, –NR_x(CH₂)₁₋₃NR_xR_x, –NR_xCH₂CH₂N(CH₃)₂, –NR_xC(O)(CH₂)₁₋₂NR_xR_x, –OCH₂CH₂N(CH₃)₂, –C(O)(C₁₋₃ alkyl), –C(O)CH₂NR_xR_x, –S(O)₂CH₃, –(CH₂)₁₋₂R_{7d}, –CH₂C(O)R_{7d}, –C(O)CH₂R_{7d}, –NHR_{7d}, –NH(CH₂)₁₋₂R_{7d}, or –OR_{7d}; or

(ii) azepanyl, azetidiny, bicyclo[1.1.1]pentanyl, C₄₋₆ cycloalkyl, diazepanyl,
 15 dioxothiomorpholinyl, morpholinyl, oxaazaspiro[3.3]heptanyl, oxetanyl, piperazinonyl, piperazinyl, piperidiny, pyridiny, pyrrolidinonyl, pyrrolidiny, tetrahydrofuranyl, tetrahydroisoquinolinyl, or tetrahydropyranyl, each substituted with zero to 1 R_{8a} and zero to 3 R_{8b};

each R_{7c} is independently –CH₃ or –CH₂CN;

20 R_{7d} is azaspiro[3.5]nonanyl, bicyclo[1.1.1]pentanyl, C₃₋₆ cycloalkyl, morpholinyl, oxetanyl, phenyl, piperidiny, pyrazolyl, pyrrolidiny, tetrahydrofuranyl, or tetrahydropyranyl, each substituted with zero to 1 substituent selected from C₁₋₃ alkyl, –NH₂, –C(O)CH₃, methylpiperidiny, methylpyrrolidiny, tetramethylpiperidiny, –OCH₂CH₂(pyrrolidiny), and –OCH₂CH₂NHCH₂CH₃; and zero to 4 substituents
 25 selected from –CH₃;

R₈ is H, –CH₃ or –CH₂CH₃;

or R₇ and R₈ together with the nitrogen atom to which they are attached form a

heterocyclic ring selected from azetidiny, diazepanonyl, diazepanyl,

diazaspiro[3.3]heptanyl, diazaspiro[3.3]heptanyl, diazaspiro[3.5]nonanyl,

30 diazaspiro[5.5]undecanyl, imidazolidinonyl, octahydro-1H-pyrrolo[3,4-b]pyridiny,

piperazinyl, piperidinyl, pyrrolidinonyl, and pyrrolidinyl, wherein said heterocyclic ring is substituted with zero to 1 R_{7b} and zero to 2 R_{7c};

R_{8a} is -OH, -CH₃, -CH₂CH₃, -CH(CH₃)₂, -C(CH₃)₃, -CH₂CH(CH₃)₂, -CH₂CH₂OCH₃,
-CH₂CH₂CF₃, -C(O)CH₃, -CH₂(cyclopropyl), -CH₂(methyl phenyl),
5 -CH₂(pyrrolidinyl), -CH₂(methylpyrazolyl), -CH₂(thiophenyl), -NR_xR_x,
cyclopentyl, methylpiperidinyl, or pyridinyl;

each R_{8b} is -CH₃;

R₉ is -CH₃, -CH₂CH₂OH, -CH₂C(CH₃)₂OH, -CH₂C(CH₃)₂CH₂OH,
-CH₂CHFC(CH₃)₂OH, -CH₂CH₂C(CH₃)₂OH, -CH(CH₂OH)₂, -CH₂CH₂OCH₃,
10 -CH₂CH₂NH₂, -CH₂CH₂N(CH₃)₂, -CH₂CH₂CH₂N(CH₃)₂, -CH₂CH₂C(O)NH₂,
-CH₂S(O)₂OH, -CH₂CH₂C(CH₃)₂NHS(O)₂CH₃, or -(CH₂)₀₋₃R_{9a};

R_{9a} is cyclohexyl, cycloheptyl, furanyl, phenyl, piperazinyl, piperidinyl, pyrazolyl,
pyridinyl, pyrrolidinyl, quinuclidinyl, thiazolyl, or octahydrocyclopenta[c]pyrrolyl,
each substituted with zero to 2 substituents independently selected from -OH, C₁₋₃
15 alkyl, -NH₂, -N(CH₃)₂, oxetanyl, phenyl, piperazinyl, piperidinyl, and pyrrolidinyl;

R₁₀ is H, -CH₃, -CH₂CH₃, -CH₂CH₂OCH₃, or cyclopropyl;

or R₉ and R₁₀ together with the nitrogen atom to which they are attached form a
heterocyclic ring selected from azabicyclo[3.1.1]heptanyl, azaspiro[5.5]undecanyl,
diazabicyclo[2.2.1]heptanyl, diazabicyclo[3.1.1]heptanyl,
20 diazabicyclo[3.2.0]heptanyl, diazaspino[3.5]nonanyl, diazaspino[4.4]nonanyl,
diazaspino[4.5]decanyl, diazepanyl, indolinyl, morpholinyl, octahydropyrrolo[3,4-
c]pyrrolyl, piperazinonyl, piperazinyl, piperidinyl, and pyrrolidinyl, each substituted
with zero to 2 R_{10a};

each R_{10a} is independently -CH₃, -CH₂CH₃, -CH(CH₃)₂, -CH₂OH, -CH₂CH₂OH,
25 -CH₂OCH₃, -CH₂CH₂OCH₃, -CH₂NH₂, -CH₂CH₂NH₂, -CH₂CH₂NH(CH₃),
-CH₂C(O)NH(CH₃), -CH₂C(O)N(CH₃)₂, -CH₂(methyltriazolyl), -CH₂CH₂(phenyl),
-CH₂CH₂(morpholinyl), -C(O)CH₃, -C(O)NH₂, -C(O)N(CH₂CH₃)₂,
-C(O)CH₂NH(CH₃), -C(O)CH₂N(CH₃)₂, -NH₂, -N(CH₃)₂, -NHC(O)CH₃,
-C(O)(furanyl), -O(piperidinyl), -C(O)CH₂(diethylcarbamoylpiperidinyl),
30 methylpiperazinyl, piperidinyl, methylpiperidinyl, diethylcarbamoylpiperidinyl,

isopropylpiperidinyl, pyridinyl, trifluoromethylpyridinyl, pyrimidinyl, or dihydrobenzo[d]imidazolonyl;

R₁₁ is azetidiny, azaspiro[3.5]nonanyl, dioxidothiomorpholinyl,

hexahydropyrrolo[3,4-c]pyrrolyl, morpholinyl, piperazinyl, piperidinyl, or

5 pyrrolidinyl, each substituted with zero to 2 substituents independently selected from F, -CH₃, -CH(CH₃)₂, -CH₂CN, -CH₂(phenyl), -C(O)CH₂N(CH₃)₂, -CH₂C(CH₃)₂OH, -CH₂C(O)N(CH₃)₂, -CH₂CH₂S(O)₂CH₃, -CH₂CH₂S(O)CH₃, oxetanyl, and tetrahydropyranyl;

each R_{12a} is independently -OH, -CH₃, -CH₂CH₂CH₃, -CH(CH₃)₂, -CH₂CH(CH₃)₂,

10 -CF₃, -CH₂CF₃, -CH₂CH₂CH₂CF₃, -CH₂CN, -CH₂C(CH₃)₂OH, -CH₂CH₂OCH₃, -CH₂C(O)NH(CH₃), -CH₂C(O)N(CH₃)₂, -CH₂C(O)NH₂, -CH₂CH₂S(O)₂CH₃, -CH₂CH₂NHS(O)₂CH₃, -CH₂NR_xR_x, -CH₂CH₂NH(CH₃), -OCH₃, -NR_xR_y, -NR_x(C₂₋₄ fluoroalkyl), -NR_x(CH₂CHFC(CH₃)₂OH), -NR_x(CH₂CR_xR_xOCH₃), -NH(CH₂CN), -N(CH₃)CH₂N(CH₃)₂, -NR_x(CH₂CHFC(CH₃)₂OH),
15 -NH(CH₂CH₂OCH₃), -NH(CH₂C(CH₃)₂OH), -NR_x(CH₂C(O)NR_xR_x), -N(CH₃)(OCH₃), -NR_xCH₂CH₂S(O)₂CH₃, -NHC(O)CH₃, -NHC(O)CH₂CF₃, -NHC(O)CHR_xNH(CH₃), -NR_xC(O)CH₂N(CH₃)₂, -NHC(O)CH₂N(CH₃)(CH₂CH₃), -NHC(O)CH₂N(CH₂CH₃)₂, -NHC(O)CH₂NH(CH₂C(CH₃)₂OH), -NHCH₂C(O)NR_x(CH₃), -NHS(O)₂CH₃, -C(O)C(CH₃)₃, -C(O)CH(CH₂CH₃)₂,
20 -C(O)CH₂OCH₃, -C(O)CH₂CH₂OCH₃, -C(O)CH₂NH(CH₃), -C(O)CH₂N(CH₃)₂, -C(O)CH(CH₃)NH(CH₃), -C(O)CH₂N(CH₃)(CH₂CH₃), -C(O)CH₂N(CH₂CH₃)₂, R_{12b}, -CH₂R_{12b}, -C(O)R_{12b}, -C(O)CH₂R_{12b}, -C(O)CH₂NHR_{12b}, -C(O)NR_xR_{12b}, -NR_xC(O)CH₂R_{12b}, -NR_xR_{12b}, -N(CH₂CN)R_{12b}, -NR_xCH₂R_{12b}, -N(CH₂CN)R_{12b}, -NHC(O)CH₂NR_xR_{12b}, -NHC(O)CH₂NR_xCH₂R_{12b}, -NHCH₂C(O)NHR_{12b}, or

25 -OR_{12b}; or two R_{12a} and the carbon atom to which they are attached form C=O;

R_{12b} is azetidiny, bicyclo[1.1.1]pentanyl, cyclopropyl, diazabicyclo[2.2.1]heptanyl,

dioxolanyl, dioxidotetrahydrothiopyranyl, dioxidothiomorpholinyl, imidazolyl,

morpholinyl, octahydrocyclopenta[c]pyrrolyl, octahydropyrrolo[3,4-c]pyrrolyl,

oxaazaspiro[3.3]heptanyl, oxetanyl, phenyl, piperazinyl, piperazinonyl, piperidinyl,

30 pyridinyl, pyrrolidinyl, quinuclidinyl, tetrahydrofuranlyl, tetrahydropyranyl, or

triazolyl, each substituted with zero to 4 substituents independently selected from F, -OH, -CH₃, -CH(CH₃)₂, -CH₂OH, -OCH₃, -CH₂CH₂OCH₃, -NR_xR_x, -C(O)NH₂, and -CH₂S(O)₂CH₃;

each R_{14a} is independently:

- 5 (i) H, F, Cl, -OH, -CH₃, -CH(CH₃)₂, -CH(CH₃)(CH₂CH₃), -CH₂CH₂CH₂C(CH₃)₂,
 -CF₃, -CH₂CF₃, -CH₂OH, -OCH₃, -CH₂CH₂OCH₃, -CHR_xNR_x(CH₃),
 -CH₂N(CH₃)(CH(CH₃)₂), -CH₂NH(CH₂C(CH₃)₃), -CH₂NH(CH₂CN),
 -CH₂N(CH₃)(CH₂CH₂OCH₃), -CH₂N(CH₂CH₂OCH₃)₂, -CH₂NR_x(CH₂C≡CH),
 -CH₂NHCH₂CH₂N(CH₃)₂, -CH₂CH₂NR_x(CH₃), -CH₂CR_x(CH₃)NH₂,
 10 -CH₂CH₂CH₂N(CH₃)₂, -CH₂CH₂CH₂CH₂NH₂, -CH(NH₂)(CH₂)₃₋₄NH₂,
 -CH₂NHCH₂CH₂O(C₁₋₃ alkyl), -CH₂NHCH₂CH₂OCH₂CH₂OH,
 -CH₂NHCH₂CH₂S(O)₂OH, -CH₂C(O)NR_x(CH₃), -NR_xR_x, -NH(CH(CH₃)₂),
 -NHCH₂CH₂NH(CH₃), -NHCH₂CH₂CH₂N(CH₃)₂, -NHC(O)CH₃, -NHC(O)CF₃,
 -NHC(O)OC(CH₃)₃, -NHC(O)CH₂N(CH₃)₂, -NHC(O)CH₂CH₂N(CH₃)₂,
 15 -NHCH₂C(O)CH₂NH(CH₃), -C(O)CH₃, -C(O)CH₂CH(CH₃)OH,
 -C(O)CH₂NR_x(CH₃), -C(O)NR_xR_x, -C(O)NH(CH₂CN),
 -C(O)NHCH₂CH₂CH₂NR_xR_x, -C(O)NHCH₂CH(CH₃)CH₂NH₂,
 -C(O)NHCH₂C(O)NH₂, -C(O)N(CH₃)CH₂CH₂CH₂N(CH₃)₂,
 -C(O)N(CH₂CH₃)CH₂CH₂N(CH₃)₂, -OCH₂CH₂CH₂N(CH₃)₂,
 20 -C(O)NHCH₂CH₂NHC(O)CH₃, -S(O)₂NH₂, or -C(O)CH₂S(O)₂CH₃;
- (ii) 8-azabicyclo[3.2.1]octanyl, azaspiro[3.5]nonanyl, azetidyl,
 benzo[c][1,2,5]oxadiazolyl, cyclopentyl, cyclohexyl, diazepanyl, morpholinyl,
 phenyl, piperazinyl, piperidinyl, pyrazolyl, pyridinyl, pyrrolidinonyl, quinolinyl,
 quinuclidinyl, tetrahydroisoquinolinyl, tetrahydropyridinyl, or thiazolidinyl, each
 25 substituted with zero to 2 substituents independently selected from -CH₃,
 -CH(CH₃)₂, -CH₂CH(CH₃)₂, -CF₃, -CH₂CH₂CF₃, -CH₂CH₂OH,
 -CH₂CH₂CH(CH₃)OH, -NH₂, -CH₂N(CH₃)₂, -CH₂CH₂NH(CH₃), -C(O)CH₃,
 -C(O)CH₂NH(CH₃), -C(O)CH₂N(CH₃)₂, -C(O)O(C(CH₃)₃),
 -CH₂C(O)NR_x(CH₃), cyclobutyl, cyclopentyl, -CH₂(phenyl), -CH₂(pyrrolyl),
 30 -CH₂(morpholinyl), -CH₂(methylpiperazinyl), -CH₂(thiophenyl),

methylpiperidiny, isobutylpiperidiny, and pyridiny; or

(iii) $-L_3-R_{14c}$;

each R_{14b} is $-CH_3$;

L_3 is $-(CH_2)_{1-3}-$, $-CH(CH_3)-$, $-CH(NH_2)-$, $-CH_2NH-$, $-C(O)-$, $-C(O)NH(CH_2)_{0-4}-$,
 5 $-C(O)N(CH_3)CH_2CH_2-$, $-NH-$, $-NHC(O)-$, $-NHCH_2-$, $-NHCH_2C(O)-$, $-O-$, or
 $-OCH_2CH_2-$;

R_{14c} is adamantany, azetidiny, cyclopropyl, cyclohexyl, diazepany, imidazolyl, indolyl,
 morpholiny, octahydropyrrolo[3,4-c]pyrroly, phenyl, piperazinony, piperaziny, piperidiny,
 pyridiny, pyrrolidinony, pyrrolidiny, or tetrazolyl, each substituted with
 10 zero to 1 substituent selected from $-OH$, $-CH_3$, $-CH(CH_3)_2$, $-CH_2CH(CH_3)_2$,
 $-C(CH_3)_2OH$, $-NH_2$, $-N(CH_3)_2$, $-NH(C(CH_3)_2)$, $-NHC(O)CH_3$, $-C(O)CH_3$,
 $-C(O)NH_2$, $-C(O)N(CH_2CH_3)_2$, $-C(O)(\text{tetrahydrofuran})$, $-C(O)OCH_2CH_3$,
 $-CH_2C(O)NH(CH(CH_3)_2)$, morpholiny, methylpiperidiny, pyraziny, pyridiny, and
 pyrrolidiny;

15 n is zero or 1; and

p is zero, 1, 2, or 3; and G is defined in the first aspect or the second aspect.

One embodiment provides a compound of Formula (I), N-oxide, or a salt thereof,
 wherein:

A is:

20 (i) $-O-L_1-R_6$;

(ii) $-NR_7R_8$;

(iii) $-L_2-C(O)NR_9R_{10}$;

(iv) $-CHR_xR_{11}$, $-CH_2CH_2R_{11}$, $-CH_2NH_2$, $-CH_2NHC(O)R_{11}$,
 $-CH_2NHC(O)CH_2CH_2(\text{piperidiny})$, $-CH_2NHC(O)OCH_2(\text{piperidiny})$, or
 25 $-CH_2NHC(O)CH_2CH_2N(CH_3)_2$;

(v) $-CHR_{12}R_{13}$, wherein R_{12} and R_{13} together with the carbon atom to which they are
 attached form a cyclic group selected from azabicyclo[4.1.1]octany, azepany,
 azetidiny, C_{3-6} cycloalkyl, diazasp[4.5]decanony, morpholiny,
 octahydrocyclopenta[c]pyrroly, piperidiny, pyrrolidiny, and quinuclidiny, each
 30 substituted with zero to 3 R_{12a} ;

(vi) $-\text{CH}=\text{CH}(\text{piperidinyl})$; or

(vii) an aromatic group selected from [1,2,4]triazolo[1,5-a]pyridinyl,

imidazo[1,2-a]pyridinyl, imidazolyl, indazolyl, isoquinolinyl, oxadiazolyl, oxazolyl,

phenyl, pyrazinyl, pyrazolo[3,4-b]pyridinyl, pyrazolyl, pyridazinyl, pyridinyl,

5 pyrimidinyl, pyrrolyl, quinolinonyl, quinolinyl, quinoxalinyl, tetrahydro-

[1,2,4]triazolo[1,5-a]pyrazinyl, tetrahydroimidazo[1,2-a]pyrazinyl,

tetrahydroisoquinolinyl, tetrahydrothiazolo[5,4-c]pyridinyl,

tetrahydrothieno[2,3-c]pyridinyl, thiadiazolyl, thiazolyl, thiooxadiazolyl, and

triazolyl, each substituted with zero to 2 R_{14a} and zero to 3 R_{14b} ;

10 L_1 is bond, $-\text{CH}_2-$, $-\text{CH}_2\text{CH}_2-$, $-\text{CH}_2\text{C}(\text{O})-$, $-\text{CH}_2\text{C}(\text{O})\text{NH}-$, $-\text{CH}_2\text{C}(\text{O})\text{N}(\text{CH}_3)-$,
 $-\text{CH}_2\text{C}(\text{O})\text{NHCH}_2-$, or $-\text{CH}_2\text{C}(\text{O})\text{NHCH}_2\text{CH}_2-$;

L_2 is a bond, $-\text{CH}(\text{CH}_3)-$, $-\text{C}(\text{CH}_3)_2-$, or $-\text{CH}_2\text{CH}_2-$;

R_6 is:

(i) $-\text{CH}_2\text{C}(\text{O})\text{NHCH}_2\text{C}(\text{CH}_3)_2\text{OH}$, $-\text{CH}_2\text{C}(\text{O})\text{NHCH}_2\text{CH}_2\text{C}(\text{CH}_3)_2\text{OH}$,

15 $-\text{CH}_2\text{C}(\text{O})\text{NHCH}_2\text{CH}_2\text{NH}_2$, or $-\text{CH}_2\text{C}(\text{O})\text{NHCH}_2\text{CHFC}(\text{CH}_3)_2\text{OH}$; or

(ii) azabicyclo[3.2.1]octanyl, azaspiro[5.5]undecanyl, azetidiny, cyclohexyl,

diazabicyclo[2.2.1]heptanyl, diazaspiro[3.5]nonanyl, morpholinyl,

octahydrocyclopenta[c]pyrrolyl, piperazinyl, piperidinyl, pyrrolidinyl, or

quinuclidinyl, each substituted with zero to 2 R_{6a} ;

20 each R_{6a} is independently F, $-\text{OH}$, $-\text{CH}_3$, $-\text{CH}_2\text{CH}_2\text{CH}_3$, $-\text{C}(\text{CH}_3)_2$, $-\text{CH}_2\text{CH}(\text{CH}_3)_2$,
 $-\text{CH}_2\text{CH}_2\text{CH}_2\text{CF}_3$, $-\text{CH}_2\text{CH}_2\text{OH}$, $-\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$, $-\text{CH}_2\text{CH}(\text{CH}_3)\text{OH}$,
 $-\text{CH}_2\text{C}(\text{CH}_3)_2\text{OH}$, $-\text{CH}_2\text{CH}_2\text{OCH}_3$, $-\text{NH}_2$, $-\text{N}(\text{CH}_3)_2$, $-\text{CH}_2\text{NH}_2$, $-\text{CH}_2\text{CH}_2\text{NH}_2$,
 $-\text{CH}_2\text{CH}_2\text{S}(\text{O})_2\text{CH}_3$, $-\text{CH}_2\text{C}(\text{O})\text{N}(\text{CH}_3)_2$, $-\text{C}(\text{O})\text{CH}_2\text{N}(\text{CH}_3)_2$, oxetanyl,
tetrahydropyranyl, piperidinyl, isobutylpiperidinyl, or $-\text{O}(\text{piperidinyl})$;

25 R_7 is:

(i) $-\text{CH}_2(\text{isopropyl azaspiro}[3.5]\text{nonanyl})$, $-\text{CH}_2(\text{methylpyrrolidinyl})$,

$-\text{C}(\text{O})(\text{CH}_2)_{1-3}\text{NH}_2$, $-\text{C}(\text{O})\text{CH}(\text{NH}_2)\text{CH}_2\text{CH}_2\text{CH}_3$, $-\text{C}(\text{O})\text{CH}(\text{NH}_2)\text{CH}_2\text{CH}(\text{CH}_3)_2$,

$-\text{C}(\text{O})\text{CH}(\text{NH}_2)\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3$, $-\text{C}(\text{O})\text{CH}(\text{NH}_2)\text{CH}_2\text{CH}_2\text{C}(\text{O})\text{OH}$,

$-\text{C}(\text{O})\text{CH}(\text{NH}_2)(\text{CH}_2)_{3-4}\text{NH}_2$, $-\text{C}(\text{O})\text{CH}(\text{NH}_2)(\text{CH}_2)_{1-2}\text{C}(\text{O})\text{NH}_2$,

30 $-\text{C}(\text{O})\text{CH}(\text{NH}_2)(\text{cyclohexyl})$, $-\text{C}(\text{O})\text{CH}(\text{NH}_2)(\text{phenyl})$, $-\text{C}(\text{O})(\text{aminocyclohexyl})$,

- C(O)(morpholinyl), –C(O)(pyrrolidinyl), pentamethylpiperidinyl, methylpiperidinyl-piperidinyl, methylpyrrolidinyl-pyrrolidinyl, or phenyl substituted with –OCH₂CH₂(pyrrolidinyl) or –OCH₂CH₂NHCH₂CH₃; or
- (ii) cyclohexyl substituted with –NR_x(CH₂)₂₋₃N(CH₃)₂, –NHCH₂CH₂NHCH₃,
 5 –NH(methylpiperidinyl), –NH(CH₂)₂₋₃(morpholinyl), dimethylamino piperidinyl, or piperazinyl substituted with –CH₃, –CH₂CH₃, –C(CH₃)₃, –CH₂CH(CH₃)₂, –C(O)CH₃, –CH₂CH₂OCH₃, –CH₂(methylphenyl), –(CH₂)₂₋₃(pyrrolidinyl), cyclopentyl, pyridinyl, or methylpiperidinyl;

R_{7b} is:

- 10 (i) –CH₃, –CH(CH₃)₂, –C(CH₃)₂OH, –CH₂CH₂CH₂C≡CH, –CH₂CH₂OCH₃, –CH₂CH₂S(O)₂CH₃, –(CH₂)₁₋₂NR_xR_x, –CH₂C(O)NR_xR_x, –NR_xR_y, –NR_x(C₁₋₄ hydroxyalkyl), –NR_y(C₁₋₂ cyanoalkyl), –NR_x(C₁₋₂ fluoroalkyl), –NR_x(C₂₋₄ hydroxyfluoroalkyl), –NR_x(CH₂)₁₋₂C(O)NR_xR_x, –NR_x(CH₂)₁₋₃NR_xR_x, –NR_xCH₂CH₂N(CH₃)₂, –NR_xC(O)(CH₂)₁₋₂NR_xR_x, –OCH₂CH₂N(CH₃)₂,
 15 –C(O)CH₂NR_xR_x, –(CH₂)₁₋₂R_{7d}, –NHR_{7d}, –NH(CH₂)₁₋₂R_{7d}, or –OR_{7d}; or
- (ii) azepanyl, azetidiny, diazepanyl, dioxothiomorpholinyl, morpholinyl, oxazaspiro[3.3]heptanyl, oxetanyl, piperazinonyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinonyl, pyrrolidinyl, or tetrahydroisoquinolinyl, each substituted with zero to 1 R_{8a} and zero to 3 R_{8b};

- 20 each R_{7c} is independently –CH₃ or –CH₂CN;

- R_{7d} is azaspiro[3.5]nonanyl, bicyclo[1.1.1]pentanyl, C₃₋₆ cycloalkyl, morpholinyl, oxetanyl, phenyl, piperidinyl, pyrazolyl, pyrrolidinyl, tetrahydrofuranlyl, or tetrahydropyranyl, each substituted with zero to 1 substituent selected from C₁₋₃ alkyl, –NH₂, –C(O)CH₃, methylpiperidinyl, methylpyrrolidinyl, tetramethylpiperidinyl,
 25 –OCH₂CH₂(pyrrolidinyl), and –OCH₂CH₂NHCH₂CH₃; and zero to 4 substituents selected from –CH₃;

R₈ is H, –CH₃ or –CH₂CH₃;

- or R₇ and R₈ together with the nitrogen atom to which they are attached form a heterocyclic ring selected from azetidiny, diazepanonyl, diazepanyl,
 30 diazaspiro[3.5]nonanyl, diazaspiro[5.5]undecanyl, imidazolidinonyl, octahydro-1H-

pyrrolo[3,4-b]pyridinyl, piperazinyl, piperidinyl, pyrrolidinonyl, and pyrrolidinyl,
wherein said heterocyclic ring is substituted with zero to 1 R_{7b} and zero to 2 R_{7c};

R_{8a} is -OH, -CH₃, -CH₂CH₃, -CH(CH₃)₂, -C(CH₃)₃, -CH₂CH(CH₃)₂, -CH₂CH₂OCH₃,
-CH₂CH₂CF₃, -C(O)CH₃, -CH₂(cyclopropyl), -CH₂(methyl phenyl),
5 -CH₂(pyrrolidinyl), -CH₂(methylpyrazolyl), -CH₂(thiophenyl), -NR_xR_x,
cyclopentyl, methylpiperidinyl, or pyridinyl;

each R_{8b} is -CH₃;

R₉ is -CH₃, -CH₂CH₂OH, -CH₂C(CH₃)₂OH, -CH₂C(CH₃)₂CH₂OH,
-CH₂CHFC(CH₃)₂OH, -CH₂CH₂C(CH₃)₂OH, -CH(CH₂OH)₂, -CH₂CH₂OCH₃,
10 -CH₂CH₂NH₂, -CH₂CH₂N(CH₃)₂, -CH₂CH₂CH₂N(CH₃)₂, -CH₂CH₂C(O)NH₂,
-CH₂S(O)₂OH, -CH₂CH₂C(CH₃)₂NHS(O)₂CH₃, or -(CH₂)₀₋₃R_{9a};

R_{9a} is cyclohexyl, cycloheptyl, furanyl, phenyl, piperazinyl, piperidinyl, pyrazolyl,
pyridinyl, pyrrolidinyl, quinuclidinyl, thiazolyl, or octahydrocyclopenta[c]pyrrolyl,
each substituted with zero to 2 substituents independently selected from -OH, C₁₋₃
15 alkyl, -NH₂, -N(CH₃)₂, oxetanyl, phenyl, piperazinyl, piperidinyl, and pyrrolidinyl;

R₁₀ is H, -CH₃, -CH₂CH₃, -CH₂CH₂OCH₃, or cyclopropyl;

or R₉ and R₁₀ together with the nitrogen atom to which they are attached form a
heterocyclic ring selected from azabicyclo[3.1.1]heptanyl, azaspiro[5.5]undecanyl,
diazabicyclo[2.2.1]heptanyl, diazabicyclo[3.1.1]heptanyl,
20 diazabicyclo[3.2.0]heptanyl, diazaspino[3.5]nonanyl, diazaspino[4.4]nonanyl,
diazaspino[4.5]decanyl, diazepanyl, indolinyl, morpholinyl, octahydropyrrolo[3,4-
c]pyrrolyl, piperazinonyl, piperazinyl, piperidinyl, and pyrrolidinyl, each substituted
with zero to 2 R_{10a};

each R_{10a} is independently -CH₃, -CH₂CH₃, -CH(CH₃)₂, -CH₂OH, -CH₂CH₂OH,
25 -CH₂OCH₃, -CH₂CH₂OCH₃, -CH₂NH₂, -CH₂CH₂NH₂, -CH₂CH₂NH(CH₃),
-CH₂C(O)NH(CH₃), -CH₂C(O)N(CH₃)₂, -CH₂(methyltriazolyl), -CH₂CH₂(phenyl),
-CH₂CH₂(morpholinyl), -C(O)CH₃, -C(O)NH₂, -C(O)N(CH₂CH₃)₂,
-C(O)CH₂NH(CH₃), -C(O)CH₂N(CH₃)₂, -NH₂, -N(CH₃)₂, -NHC(O)CH₃,
-C(O)(furanyl), -O(piperidinyl), -C(O)CH₂(diethylcarbamoylpiperidinyl),
30 methylpiperazinyl, piperidinyl, methylpiperidinyl, diethylcarbamoylpiperidinyl,

isopropylpiperidinyl, pyridinyl, trifluoromethylpyridinyl, pyrimidinyl, or dihydrobenzo[d]imidazolonyl;

R₁₁ is azetidiny, azaspiro[3.5]nonanyl, dioxidothiomorpholinyl,

hexahydropyrrolo[3,4-c]pyrrolyl, morpholinyl, piperazinyl, piperidinyl, or
 5 pyrrolidinyl, each substituted with zero to 2 substituents independently selected from F, -CH₃, -CH(CH₃)₂, -CH₂CN, -CH₂(phenyl), -C(O)CH₂N(CH₃)₂,
 -CH₂C(CH₃)₂OH, -CH₂C(O)N(CH₃)₂, -CH₂CH₂S(O)₂CH₃, -CH₂CH₂S(O)CH₃,
 oxetanyl, and tetrahydropyranyl;

each R_{12a} is independently -OH, -CH₃, -CH₂CH₂CH₃, -CH(CH₃)₂, -CH₂CH(CH₃)₂,
 10 -CF₃, -CH₂CF₃, -CH₂CH₂CH₂CF₃, -CH₂CN, -CH₂C(CH₃)₂OH, -CH₂CH₂OCH₃,
 -CH₂C(O)NH(CH₃), -CH₂C(O)N(CH₃)₂, -CH₂C(O)NH₂, -CH₂CH₂S(O)₂CH₃,
 -CH₂CH₂NHS(O)₂CH₃, -CH₂NR_xR_x, -CH₂CH₂NH(CH₃), -OCH₃, -NR_xR_y,
 -NR_x(C₂₋₄ fluoroalkyl), -NR_x(CH₂CR_xR_xOCH₃), -NH(CH₂CN),
 -N(CH₃)CH₂N(CH₃)₂, -NH(CH₂C(CH₃)₂OH), -NR_x(CH₂C(O)NH₂),
 15 -N(CH₃)(OCH₃), -NR_xCH₂CH₂S(O)₂CH₃, -NHC(O)CH₃, -NHC(O)CH₂CF₃,
 -NHC(O)CHR_xNH(CH₃), -NR_xC(O)CH₂N(CH₃)₂, -NHC(O)CH₂N(CH₃)(CH₂CH₃),
 -NHC(O)CH₂N(CH₂CH₃)₂, -NHC(O)CH₂NH(CH₂C(CH₃)₂OH),
 -NHCH₂C(O)NR_x(CH₃), -NHS(O)₂CH₃, -C(O)C(CH₃)₃, -C(O)CH(CH₂CH₃)₂,
 -C(O)CH₂OCH₃, -C(O)CH₂CH₂OCH₃, -C(O)CH₂NH(CH₃), -C(O)CH₂N(CH₃)₂,
 20 -C(O)CH(CH₃)NH(CH₃), -C(O)CH₂N(CH₃)(CH₂CH₃), -C(O)CH₂N(CH₂CH₃)₂,
 R_{12b}, -CH₂R_{12b}, -C(O)R_{12b}, -C(O)CH₂R_{12b}, -C(O)CH₂NHR_{12b}, -C(O)NR_xR_{12b},
 -NR_xC(O)CH₂R_{12b}, -NR_xR_{12b}, -NR_xCH₂R_{12b}, -N(CH₂CN)R_{12b},
 -NHC(O)CH₂NR_xR_{12b}, -NHC(O)CH₂NR_xCH₂R_{12b}, -NHCH₂C(O)NHR_{12b}, or
 -OR_{12b}; or two R_{12a} and the carbon atom to which they are attached form C=O;

25 R_{12b} is azetidiny, bicyclo[1.1.1]pentanyl, cyclopropyl, diazabicyclo[2.2.1]heptanyl,
 dioxolanyl, dioxidotetrahydrothiopyranyl, dioxidothiomorpholinyl, imidazolyl,
 morpholinyl, octahydrocyclopenta[c]pyrrolyl, octahydropyrrolo[3,4-c]pyrrolyl,
 oxazaspiro[3.3]heptanyl, oxetanyl, phenyl, piperazinyl, piperazinonyl, piperidinyl,
 pyridinyl, pyrrolidinyl, quinuclidinyl, tetrahydrofuranlyl, tetrahydropyranyl, or
 30 triazolyl, each substituted with zero to 4 substituents independently selected from F,

–OH, –CH₃, –CH(CH₃)₂, –CH₂OH, –OCH₃, –CH₂CH₂OCH₃, –NR_xR_x, –C(O)NH₂,
and –CH₂S(O)₂CH₃;

each R_{14a} is independently:

- (i) H, F, Cl, –OH, –CH₃, –CH(CH₃)₂, –CH(CH₃)(CH₂CH₃), –CH₂CH₂CH₂C(CH₃)₂,
5 –CF₃, –CH₂CF₃, –CH₂OH, –OCH₃, –CH₂CH₂OCH₃, –CHR_xNR_x(CH₃),
–CH₂N(CH₃)(CH(CH₃)₂), –CH₂NH(CH₂C(CH₃)₃), –CH₂NH(CH₂CN),
–CH₂N(CH₃)(CH₂CH₂OCH₃), –CH₂N(CH₂CH₂OCH₃)₂, –CH₂NR_x(CH₂C≡CH),
–CH₂NHCH₂CH₂N(CH₃)₂, –CH₂CH₂NR_x(CH₃), –CH₂CR_x(CH₃)NH₂,
–CH₂CH₂CH₂N(CH₃)₂, –CH₂CH₂CH₂CH₂NH₂, –CH(NH₂)(CH₂)_{3–4}NH₂,
10 –CH₂NHCH₂CH₂O(C_{1–3} alkyl), –CH₂NHCH₂CH₂OCH₂CH₂OH,
–CH₂NHCH₂CH₂S(O)₂OH, –CH₂C(O)NR_x(CH₃), –NR_xR_x, –NH(CH(CH₃)₂),
–NHCH₂CH₂NH(CH₃), –NHCH₂CH₂CH₂N(CH₃)₂, –NHC(O)CH₃, –NHC(O)CF₃,
–NHC(O)OC(CH₃)₃, –NHC(O)CH₂N(CH₃)₂, –NHC(O)CH₂CH₂N(CH₃)₂,
–NHCH₂C(O)CH₂NH(CH₃), –C(O)CH₃, –C(O)CH₂CH(CH₃)OH,
15 –C(O)CH₂NR_x(CH₃), –C(O)NR_xR_x, –C(O)NH(CH₂CN),
–C(O)NHCH₂CH₂CH₂NR_xR_x, –C(O)NHCH₂CH(CH₃)CH₂NH₂,
–C(O)NHCH₂C(O)NH₂, –C(O)N(CH₃)CH₂CH₂CH₂N(CH₃)₂,
–C(O)N(CH₂CH₃)CH₂CH₂N(CH₃)₂, –OCH₂CH₂CH₂N(CH₃)₂,
–C(O)NHCH₂CH₂NHC(O)CH₃, –S(O)₂NH₂, or –C(O)CH₂S(O)₂CH₃;
20 (ii) 8-azabicyclo[3.2.1]octanyl, azaspiro[3.5]nonanyl, azetidiny,
benzo[c][1,2,5]oxadiazolyl, cyclopentyl, cyclohexyl, diazepanyl, morpholinyl,
phenyl, piperazinyl, piperidiny, pyrazolyl, pyridiny, pyrrolidinonyl, quinolinyl,
quinuclidiny, tetrahydroisoquinolinyl, tetrahydropyridiny, or thiazolidiny, each
substituted with zero to 2 substituents independently selected from –CH₃,
25 –CH(CH₃)₂, –CH₂CH(CH₃)₂, –CF₃, –CH₂CH₂CF₃, –CH₂CH₂OH,
–CH₂CH₂CH(CH₃)OH, –NH₂, –CH₂N(CH₃)₂, –CH₂CH₂NH(CH₃), –C(O)CH₃,
–C(O)CH₂NH(CH₃), –C(O)CH₂N(CH₃)₂, –C(O)O(C(CH₃)₃),
–CH₂C(O)NR_x(CH₃), cyclobutyl, cyclopentyl, –CH₂(phenyl), –CH₂(pyrrolyl),
–CH₂(morpholinyl), –CH₂(methylpiperazinyl), –CH₂(thiophenyl),
30 methylpiperidiny, isobutylpiperidiny, and pyridiny; or

(iii) $-L_3-R_{14c}$;

each R_{14b} is $-CH_3$;

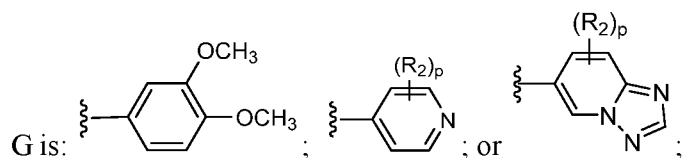
L_3 is $-(CH_2)_{1-3}-$, $-CH(CH_3)-$, $-CH(NH_2)-$, $-CH_2NH-$, $-C(O)-$, $-C(O)NH(CH_2)_{0-4}-$,
 $-C(O)N(CH_3)CH_2CH_2-$, $-NH-$, $-NHC(O)-$, $-NHCH_2-$, $-NHCH_2C(O)-$, $-O-$, or
 $-OCH_2CH_2-$;

R_{14c} is adamantanyl, azetidiny, cyclopropyl, cyclohexyl, diazepanyl, imidazolyl, indolyl, morpholinyl, octahydropyrrolo[3,4-c]pyrrolyl, phenyl, piperazinonyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinonyl, pyrrolidinyl, or tetrazolyl, each substituted with zero to 1 substituent selected from $-OH$, $-CH_3$, $-CH(CH_3)_2$, $-CH_2CH(CH_3)_2$,
 $-C(CH_3)_2OH$, $-NH_2$, $-N(CH_3)_2$, $-NH(C(CH_3)_2)$, $-NHC(O)CH_3$, $-C(O)CH_3$,
 $-C(O)NH_2$, $-C(O)N(CH_2CH_3)_2$, $-C(O)(\text{tetrahydrofuranly})$, $-C(O)OCH_2CH_3$,
 $-CH_2C(O)NH(CH(CH_3)_2)$, morpholinyl, methylpiperidinyl, pyrazinyl, pyridinyl, and pyrrolidinyl;

n is zero or 1; and

p is zero, 1, 2, or 3; and G is defined in the first aspect or the second aspect.

One embodiment provides a compound of Formula (I), N-oxide, or a salt thereof wherein:



A is:

(i) $-NR_7R_8$ wherein R_7 and R_8 together with the nitrogen atom to which they are attached form a heterocyclic ring selected from piperazinyl, piperidinyl, or diazaspiro[3.3]heptanyl, wherein said heterocyclic ring is substituted with zero to 1 R_{7b} and zero to 1 R_{7c} ; or

(ii) $-CHR_{12}R_{13}$, wherein R_{12} and R_{13} together with the carbon atom to which they are attached form a cyclic group selected from cyclopentyl, cyclohexyl, morpholinyl, or piperidinyl, each substituted with zero to 1 R_{12a} ;

R_1 is $-CH_3$ or $-CH(CH_3)_2$;

each R_2 is independently $-CH_3$ or $-OCH_3$;

R₅ is F, Cl, or -CH₃;

R_{7b} is:

- (i) -CH₃, -CH₂CH₃, -CH₂CH₂CH₃, -CH(CH₃)₂, -CH₂CH(CH₃)₂, -CH₂CF₃,
 -CH₂CN, -CH₂C(CH₃)₂OH, -CH₂CH₂OCH₃, -CH₂CH₂S(O)₂CH₃,
 5 -(CH₂)₁₋₂NR_xR_x, -CH₂C(O)NR_xR_x, -NR_xR_y, -NR_x(C₁₋₄ hydroxyalkyl),
 -NH(CH₂CR_xR_xOCH₃), -NR_y(C₁₋₂ cyanoalkyl), -NR_x(C₁₋₂ fluoroalkyl),
 -NR_x(C₂₋₅ hydroxyfluoroalkyl), -NR_x(CH₂)₁₋₂C(O)NR_xR_x, -NR_x(CH₂)₁₋₃NR_xR_x,
 -NR_xCH₂CH₂N(CH₃)₂, -NR_xC(O)(CH₂)₁₋₂NR_xR_x, -C(O)CH₃, -C(O)CH₂NR_xR_x,
 -S(O)₂CH₃, -(CH₂)₁₋₂R_{7d}, -CH₂C(O)R_{7d}, -C(O)CH₂R_{7d}, -NHR_{7d},
 10 -NH(CH₂)₁₋₂R_{7d}, or -OR_{7d}; or
 (ii) azetidiny, bicyclo[1.1.1]pentany, cyclobutyl, dioxothiomorpholinyl,
 morpholinyl, oxaazaspiro[3.3]heptany, oxetany, piperazinonyl, piperazinyl,
 piperidinyl, tetrahydrofuranly, or tetrahydropyrany, each substituted with zero to
 1 R_{8a};

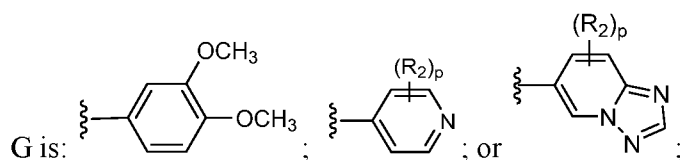
15 R_{7c} is -CH₃;

R_{8a} is -CH₃, -CH(CH₃)₂, or -S(O)₂CH₃;

R_{12a} is -CH(CH₃)₂, -CH₂CF₃, -CH₂C(CH₃)₂OH, -CH₂CH₂OCH₃, -CH₂C(O)NH(CH₃),
 -CH₂C(O)N(CH₃)₂, -CH₂C(O)NH₂, -CH₂CH₂S(O)₂CH₃, -CH₂CH₂NH(CH₃),
 -NR_xR_y, -NR_x(C₂₋₄ fluoroalkyl), -NH(CH₂C(CH₃)₂OH),
 20 -NH(CH₂CHFC(CH₃)₂OH), -NH(CH₂CH₂OCH₃), -NH(CH₂C(CH₃)₂OCH₃),
 -NR_x(CH₂C(O)NR_xR_x), -C(O)CH₂NH(CH₃), -C(O)CH₂N(CH₃)₂, R_{12b}, -CH₂R_{12b},
 -NR_xR_{12b}, -N(CH₂CN)R_{12b}, or -NR_xCH₂R_{12b};

R_{12b} is azetidiny, bicyclo[1.1.1]pentany, oxaazaspiro[3.3]heptany, oxetany, piperidinyl,
 tetrahydrofuranly, or tetrahydropyrany, each substituted with zero to 4 substituents
 25 independently selected from -CH₃, -CH(CH₃)₂, -CH₂OH, or -OCH₃;
 and n is zero or 1.

One embodiment provides a compound of Formula (I), N-oxide, or a salt thereof
 wherein:



A is:

(i) $-NR_7R_8$ wherein R_7 and R_8 together with the nitrogen atom to which they are attached form a heterocyclic ring selected from piperazinyl or piperidinyl, wherein said

5 heterocyclic ring is substituted with zero to 1 R_{7b} ; or

(ii) $-CHR_{12}R_{13}$, wherein R_{12} and R_{13} together with the carbon atom to which they are attached form a cyclic group selected from cyclopentyl, cyclohexyl, morpholinyl, or piperidinyl, each substituted with zero to 1 R_{12a} ;

R_1 is $-CH_3$ or $-CH(CH_3)_2$;

10 each R_2 is independently $-CH_3$ or $-OCH_3$;

R_5 is F, Cl, or $-CH_3$;

R_{7b} is:

(i) $-CH_2CH_2OCH_3$, $-CH_2CH_2S(O)_2CH_3$, $-(CH_2)_{1-2}NR_xR_x$,
 $-CH_2C(O)NR_xR_x$, $-NR_xR_y$, $-NR_x(C_{1-4} \text{ hydroxyalkyl})$, $-NR_y(C_{1-2} \text{ cyanoalkyl})$,
 15 $-NR_x(C_{1-2} \text{ fluoroalkyl})$, $-NR_x(C_{2-4} \text{ hydroxyfluoroalkyl})$,
 $-NR_x(CH_2)_{1-2}C(O)NR_xR_x$, $-NR_x(CH_2)_{1-3}NR_xR_x$, $-NR_xCH_2CH_2N(CH_3)_2$,
 $-NR_xC(O)(CH_2)_{1-2}NR_xR_x$, $-C(O)CH_2NR_xR_x$, $-(CH_2)_{1-2}R_{7d}$, $-NHR_{7d}$,
 $-NH(CH_2)_{1-2}R_{7d}$, or $-OR_{7d}$; or

(ii) azetidiny, dioxothiomorpholinyl, morpholinyl, oxaazaspiro[3.3]heptanyl,

20 oxetanyl, piperazinonyl, or piperazinyl, each substituted with zero to 1 R_{8a} ;

R_{8a} is $-CH_3$ or $-S(O)_2CH_3$;

R_{12a} is $-CH(CH_3)_2$, $-CH_2CF_3$, $-CH_2C(CH_3)_2OH$, $-CH_2CH_2OCH_3$, $-CH_2C(O)NH(CH_3)$,
 $-CH_2C(O)N(CH_3)_2$, $-CH_2C(O)NH_2$, $-CH_2CH_2S(O)_2CH_3$, $-CH_2CH_2NH(CH_3)$,
 $-NR_xR_y$, $-NR_x(C_{2-4} \text{ fluoroalkyl})$, $-NH(CH_2C(CH_3)_2OH)$, $-NH(CH_2C(CH_3)_2OCH_3)$,
 25 $-NR_x(CH_2C(O)NH_2)$, $-NHCH_2C(O)NR_x(CH_3)$, $-C(O)CH_2NH(CH_3)$,
 $-C(O)CH_2N(CH_3)_2$, R_{12b} , $-CH_2R_{12b}$, $-NR_xR_{12b}$, or $-NR_xCH_2R_{12b}$;

R_{12b} is azetidiny, bicyclo[1.1.1]pentanyl, oxaazaspiro[3.3]heptanyl, oxetanyl, piperidinyl, tetrahydrofuranly, or tetrahydropyranly, each substituted with zero to 4 substituents

independently selected from $-\text{CH}_3$, $-\text{CH}(\text{CH}_3)_2$, $-\text{CH}_2\text{OH}$, or $-\text{OCH}_3$; and
n is zero or 1.

One embodiment provides a compound of Formula (I), N-oxide, or a salt thereof, wherein R_1 is H, Cl, $-\text{CN}$, C_{1-4} alkyl, C_{1-2} fluoroalkyl, C_{1-2} hydroxyalkyl, or
5 $-\text{C}(\text{O})\text{O}(\text{C}_{1-2} \text{ alkyl})$; and G, A, R_5 , n, and p are defined in the first aspect or the second aspect. Included in this embodiment are compounds in which R_1 is $-\text{CH}_3$, $-\text{CH}_2\text{CH}_3$, $-\text{CH}(\text{CH}_3)_2$, $-\text{CH}_2\text{CHF}_2$, or $-\text{CH}_2\text{CF}_3$. Also included in this embodiment are compounds in which R_1 is $-\text{CH}(\text{CH}_3)_2$.

One embodiment provides a compound of Formula (I), N-oxide, or a salt thereof,
10 wherein each R_2 is independently F, Cl, $-\text{CN}$, $-\text{OH}$, C_{1-3} alkyl, C_{1-2} fluoroalkyl, C_{1-2} cyanoalkyl, C_{1-3} hydroxyalkyl, C_{1-2} aminoalkyl, $-(\text{CH}_2)_{0-2}\text{O}(\text{C}_{1-3} \text{ alkyl})$, C_{3-6} cycloalkyl, $-\text{NR}_x\text{R}_x$, $-(\text{CH}_2)_{0-2}\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-(\text{CH}_2)_{0-2}\text{S}(\text{O})_2(\text{C}_{1-3} \text{ alkyl})$, $-\text{CH}_2(\text{C}_{3-6} \text{ cycloalkyl})$, $-\text{CH}_2(\text{phenyl})$, or phenyl; and G, A, R_1 , R_5 , R_x , n, and p are defined in the first aspect or the second aspect. Included in this embodiment are compounds in which each R_2 is
15 independently Cl, $-\text{CH}_3$, $-\text{CH}_2\text{CH}_3$, $-\text{CH}_2\text{OH}$, $-\text{CH}_2\text{CH}_2\text{OH}$, $-\text{OCH}_3$, $-\text{CH}_2\text{OCH}_3$, or $-\text{CH}_2\text{CH}_2\text{S}(\text{O})_2\text{CH}_3$.

One embodiment provides a compound of Formula (I), N-oxide, or a salt thereof wherein A is $-\text{O}-\text{L}_1-\text{R}_6$; and G, R_1 , R_5 , R_6 , L_1 , n, and p are defined in the first aspect or the second aspect. Included in this embodiment are compounds in which L_1 is bond,
20 $-(\text{CR}_x\text{R}_x)_{1-2}-$, $-\text{CH}_2\text{C}(\text{O})-$, $-\text{CH}_2\text{C}(\text{O})\text{NR}_x(\text{CR}_x\text{R}_x)_{0-2}-$, $-\text{CH}_2\text{NR}_x\text{C}(\text{O})-$, or $-\text{CH}_2\text{NR}_x\text{C}(\text{O})\text{CH}_2-$; and each R_{6a} is independently F, $-\text{OH}$, C_{1-4} alkyl, C_{1-4} fluoroalkyl, C_{1-4} hydroxyalkyl, $-(\text{CH}_2)_{1-2}\text{OCH}_3$, $-\text{NR}_x\text{R}_x$, $-(\text{CH}_2)_{1-2}\text{NR}_x\text{R}_x$, $-(\text{CH}_2)_{1-2}\text{S}(\text{O})_2(\text{C}_{1-2} \text{ alkyl})$, $-(\text{CH}_2)_{1-2}\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{CH}_2\text{NR}_x\text{R}_x$, oxetanyl, tetrahydrofuranlyl, tetrahydropyranyl, piperidinyl, isobutylpiperidinyl, piperazinyl, or $-\text{O}(\text{piperidinyl})$.

One embodiment provides a compound of Formula (I), N-oxide, or a salt thereof wherein A is $-\text{NR}_7\text{R}_8$; and G, R_1 , R_5 , R_7 , R_8 , R_x , n, and p are defined in the first aspect or the second aspect. Included in this embodiment are compounds in which R_7 is: (i) R_{7a} ,
25 $-\text{CH}_2\text{R}_{7a}$, $-\text{C}(\text{O})\text{R}_{7a}$, $-\text{C}(\text{O})\text{CH}(\text{NH}_2)\text{R}_{7a}$, $-\text{C}(\text{O})(\text{CH}_2)_{1-3}\text{NH}_2$, $-\text{C}(\text{O})\text{CH}(\text{NH}_2)(\text{C}_{1-4} \text{ alkyl})$, $-\text{C}(\text{O})\text{CH}(\text{NH}_2)(\text{CH}_2)_{1-2}\text{C}(\text{O})\text{OH}$, $-\text{C}(\text{O})\text{CH}(\text{NH}_2)(\text{CH}_2)_{2-4}\text{NH}_2$, or
30 $-\text{C}(\text{O})\text{CH}(\text{NH}_2)(\text{CH}_2)_{1-3}\text{C}(\text{O})\text{NH}_2$; or (ii) C_{3-6} cycloalkyl substituted with one substituent

selected from $-\text{NR}_x(\text{CH}_2)_{2-3}\text{NR}_x\text{R}_x$, $-\text{NH}(\text{CH}_2)_{2-3}\text{NHCH}_3$, $-\text{NH}(\text{methylpiperidiny})$,
 $-\text{NH}(\text{CH}_2)_{2-3}(\text{morpholinyl})$, dimethylamino piperidiny, and piperazinyl substituted with
a substituent selected from C_{1-4} alkyl, $-\text{C}(\text{O})\text{CH}_3$, $-(\text{CH}_2)_{1-2}\text{OCH}_3$, $-\text{CH}_2(\text{methylphenyl})$,
 $-(\text{CH}_2)_{2-3}(\text{pyrrolidinyl})$, C_{3-6} cycloalkyl, pyridinyl, and methylpiperidiny; R_{7b} is: (i) C_{1-4}
5 alkyl, C_{1-3} hydroxyalkyl, $-(\text{CH}_2)_{2-3}\text{C}\equiv\text{CH}$, $-(\text{CH}_2)_{1-2}\text{O}(\text{C}_{1-2} \text{ alkyl})$, $-(\text{CH}_2)_{1-2}\text{S}(\text{O})_2(\text{C}_{1-2}$
alkyl), $-(\text{CH}_2)_{0-3}\text{NR}_x\text{R}_y$, $-\text{CH}_2\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{NR}_x(\text{C}_{1-4} \text{ hydroxyalkyl})$, $-\text{NR}_y(\text{C}_{1-2}$
cyanoalkyl), $-\text{NR}_x(\text{C}_{1-2} \text{ fluoroalkyl})$, $-\text{NR}_x(\text{C}_{2-4} \text{ hydroxyfluoroalkyl})$,
 $-\text{NR}_x(\text{CH}_2)_{1-2}\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{NR}_x(\text{CH}_2)_{1-3}\text{NR}_x\text{R}_x$, $-\text{NR}_x\text{CH}_2\text{CH}_2\text{NR}_x\text{R}_x$,
 $-\text{NR}_x\text{C}(\text{O})(\text{CH}_2)_{1-2}\text{NR}_x\text{R}_x$, $-\text{O}(\text{CH}_2)_{1-3}\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{CH}_2\text{NR}_x\text{R}_x$, $-(\text{CH}_2)_{1-2}\text{R}_{7d}$, $-\text{NHR}_{7d}$,
10 $-\text{NH}(\text{CH}_2)_{1-2}\text{R}_{7d}$, or $-\text{OR}_{7d}$; or (ii) azepanyl, azetidiny, diazepanyl,
dioxothiomorpholinyl, morpholinyl, oxaazaspiro[3.3]heptanyl, oxetanyl, piperazinonyl,
piperazinyl, piperidiny, pyridinyl, pyrrolidinonyl, pyrrolidinyl, or
tetrahydroisoquinolinyl, each substituted with zero to 1 R_{8a} and zero to 3 R_{8b} ; R_{7d} is
azaspiro[3.5]nonanyl, bicyclo[1.1.1]pentanyl, C_{3-6} cycloalkyl, morpholinyl, oxetanyl,
15 phenyl, piperidiny, pyrazolyl, pyrrolidinyl, tetrahydrofuranyl, or tetrahydropyranyl, each
substituted with zero to 1 substituent selected from C_{1-3} alkyl, $-\text{NH}_2$, $-\text{C}(\text{O})\text{CH}_3$,
methylpiperidiny, methylpyrrolidinyl, tetramethylpiperidiny, $-\text{OCH}_2\text{CH}_2(\text{pyrrolidinyl})$,
and $-\text{OCH}_2\text{CH}_2\text{NHCH}_2\text{CH}_3$; and zero to 4 substituents selected from $-\text{CH}_3$; and R_8 is H
or C_{1-2} alkyl; R_{8a} is $-\text{OH}$, C_{1-4} alkyl, C_{1-3} fluoroalkyl, $-(\text{CH}_2)_{1-2}\text{O}(\text{C}_{1-2} \text{ alkyl})$,
20 $-\text{C}(\text{O})(\text{C}_{1-2} \text{ alkyl})$, $-\text{CH}_2(\text{C}_{3-6} \text{ cycloalkyl})$, $-(\text{CH}_2)_{1-2}(\text{methyl phenyl})$,
 $-(\text{CH}_2)_{1-3}(\text{pyrrolidinyl})$, $-(\text{CH}_2)_{1-2}(\text{methylpyrazolyl})$, $-(\text{CH}_2)_{1-2}(\text{thiophenyl})$, $-\text{NR}_x\text{R}_x$,
 C_{3-6} cycloalkyl, methylpiperidiny, or pyridinyl; and each R_{8b} is independently F or
 $-\text{CH}_3$.

One embodiment provides a compound of Formula (I), N-oxide, or a salt thereof
25 wherein A is $-\text{NR}_7\text{R}_8$; and G, R_1 , R_5 , R_7 , R_8 , n, and p are defined in the first aspect or the
second aspect. Included in this embodiment are compounds in which R_7 and R_8 together
with the nitrogen atom to which they are attached form a heterocyclic ring selected from
azetidiny, diazepanonyl, diazepanyl, diazaspiro[3.5]nonanyl, diazaspiro[5.5]undecanyl,
imidazolyl, imidazolidinonyl, octahydro-1H-pyrrolo[3,4-b]pyridinyl, piperazinyl,
30 piperidiny, pyrrolidinonyl, pyrrolidinyl, and pyrrolyl, wherein said heterocyclic ring is

- substituted with zero to 1 R_{7b} and zero to 2 R_{7c} ; R_{7b} is: (i) C_{1-4} alkyl, C_{1-3} hydroxyalkyl, $-(CH_2)_{2-3}C\equiv CH$, $-(CH_2)_{1-2}O(C_{1-2} \text{ alkyl})$, $-(CH_2)_{1-2}S(O)_2(C_{1-2} \text{ alkyl})$, $-(CH_2)_{0-3}NR_xR_y$, $-CH_2C(O)NR_xR_x$, $-NR_x(C_{1-4} \text{ hydroxyalkyl})$, $-NR_y(C_{1-2} \text{ cyanoalkyl})$, $-NR_x(C_{1-2} \text{ fluoroalkyl})$, $-NR_x(C_{2-4} \text{ hydroxyfluoroalkyl})$, $-NR_x(CH_2)_{1-2}C(O)NR_xR_x$,
5 $-NR_x(CH_2)_{1-3}NR_xR_x$, $-NR_xCH_2CH_2NR_xR_x$, $-NR_xC(O)(CH_2)_{1-2}NR_xR_x$,
 $-O(CH_2)_{1-3}NR_xR_x$, $-C(O)CH_2NR_xR_x$, $-(CH_2)_{1-2}R_{7d}$, $-NHR_{7d}$, $-NH(CH_2)_{1-2}R_{7d}$, or
 $-OR_{7d}$; or (ii) azepanyl, azetidiny, diazepanyl, dioxothiomorpholinyl, morpholinyl,
oxaazaspiro[3.3]heptanyl, oxetanyl, piperazinonyl, piperazinyl, piperidinyl, pyridinyl,
pyrrolidinonyl, pyrrolidinyl, or tetrahydroisoquinolinyl, each substituted with zero to 1
10 R_{8a} and zero to 3 R_{8b} ; each R_{7c} is independently F, $-CH_3$ or $-CH_2CN$; R_{8a} is $-OH$, C_{1-4}
alkyl, C_{1-3} fluoroalkyl, $-(CH_2)_{1-2}O(C_{1-2} \text{ alkyl})$, $-C(O)(C_{1-2} \text{ alkyl})$, $-CH_2(C_{3-6}$
cycloalkyl), $-(CH_2)_{1-2}(\text{methyl phenyl})$, $-(CH_2)_{1-3}(\text{pyrrolidinyl})$,
 $-(CH_2)_{1-2}(\text{methylpyrazolyl})$, $-(CH_2)_{1-2}(\text{thiophenyl})$, $-NR_xR_x$, C_{3-6} cycloalkyl,
methylpiperidinyl, or pyridinyl; and each R_{8b} is independently F or $-CH_3$.
15 One embodiment provides a compound of Formula (I), N-oxide, or a salt thereof
wherein A is $-(CR_xR_x)_{1-3}R_{11}$, $-(CR_xR_x)_{1-3}NR_xC(O)R_{11}$, or
 $-(CR_xR_x)_{1-2}NR_xC(O)(CH_2)_{1-2}NR_xR_x$; and G, R_1 , R_5 , R_{11} , R_x , n, and p are defined in the
first aspect or the second aspect. Included in this embodiment are compounds in which
 R_{11} is azetidiny, azaspiro[3.5]nonanyl, dioxidothiomorpholinyl,
20 hexahydropyrrolo[3,4-c]pyrrolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, or
pyrrolidinyl, each substituted with zero to 3 substituents independently selected from F,
Cl, $-CN$, C_{1-3} alkyl, C_{1-2} aminoalkyl, $-CH_2(\text{phenyl})$, $-C(O)CH_2NR_xR_x$, $-CH_2CR_xR_xOH$,
 $-CH_2C(O)NR_xR_x$, $-CH_2CH_2S(O)_2(C_{1-3} \text{ alkyl})$, $-CH_2CH_2S(O)(C_{1-3} \text{ alkyl})$, oxetanyl,
tetrahydrofuranyl, and tetrahydropyranyl.
25 One embodiment provides a compound of Formula (I), N-oxide, or a salt thereof
wherein A is $-CR_xR_{12}R_{13}$, wherein R_{12} and R_{13} together with the carbon atom to which
they are attached form a cyclic group selected from azabicyclo[4.1.1]octanyl, azepanyl,
azetidiny, C_{3-7} cycloalkyl, diazepanyl, diazaspiro[4.5]decanonyl, morpholinyl,
octahydrocyclopenta[c]pyrrolyl, piperazinyl, piperidinyl, pyrrolidinyl, and quinuclidinyl,
30 each substituted with zero to 4 R_{12a} ; and G, R_1 , R_5 , R_{12} , R_{13} , R_x , R_y , n, and p are defined

in the first aspect or the second aspect. Included in this embodiment are compounds in which each R_{12a} is independently $-OH$, C_{1-4} alkyl, C_{1-3} fluoroalkyl, C_{1-2} cyanoalkyl, C_{1-4} hydroxyalkyl, $-(CH_2)_{1-2}O(C_{1-2} \text{ alkyl})$, $-CH_2C(O)NR_xR_x$, $-(CH_2)_{1-2}S(O)_2(C_{1-2} \text{ alkyl})$, $-(CH_2)_{1-2}NHS(O)_2(C_{1-2} \text{ alkyl})$, $-(CH_2)_{1-2}NR_xR_x$, C_{1-2} alkoxy, $-NR_yR_y$, $-NR_x(C_{1-3}$ fluoroalkyl), $-NR_x(CH_2CH_2O(C_{1-2} \text{ alkyl}))$, $-NR_x(C_{1-2} \text{ cyanoalkyl})$, $-NR_xCH_2NR_xR_x$, $-NR_x(C_{1-4} \text{ hydroxyalkyl})$, $-NR_x(CH_2C(O)NH_2)$, $-NR_x(OCH_3)$, $-NR_xCH_2CH_2S(O)_2(C_{1-2} \text{ alkyl})$, $-NR_xC(O)CH_3$, $-NR_xC(O)(C_{1-2} \text{ fluoroalkyl})$, $-NR_xC(O)CR_xR_xNR_xR_x$, $-NR_xC(O)CH_2NR_yR_y$, $-NR_xC(O)CH_2NR_x(C_{1-4} \text{ hydroxyalkyl})$, $-NR_xCH_2C(O)NR_xR_x$, $-NR_xS(O)_2CH_3$, $-C(O)(C_{1-5} \text{ alkyl})$, $-C(O)CH_2O(C_{1-2} \text{ alkyl})$, $-C(O)CH_2CH_2O(C_{1-2} \text{ alkyl})$, $-C(O)CH_2NR_xR_x$, $-C(O)CHR_xNR_yR_y$, R_{12b} , $-CR_xR_xR_{12b}$, $-C(O)R_{12b}$, $-C(O)CH_2NR_xR_{12b}$, $-C(O)NR_xR_{12b}$, $-NR_xC(O)CR_xR_xR_{12b}$, $-NR_xR_{12b}$, $-NR_xCR_xR_xR_{12b}$, $-NR_xC(O)CH_2NR_xR_{12b}$, $-NR_xC(O)CH_2NR_xCH_2R_{12b}$, $-NR_xCH_2C(O)NR_xR_{12b}$, or $-OR_{12b}$; and R_{12b} is azetidiny, bicyclo[1.1.1]pentany, C_{3-6} cycloalkyl, diazabicyclo[2.2.1]heptany, dioxolany, dioxidotetrahydrothiopyrany, dioxidothiomorpholinyl, imidazolyl, morpholinyl, octahydrocyclopenta[c]pyrrolyl, octahydropyrrolo[3,4-c]pyrrolyl, oxaazaspiro[3.3]heptany, oxetany, phenyl, piperazinyl, piperazinonyl, piperidiny, pyridiny, pyrrolidiny, quinuclidiny, tetrahydrofurany, tetrahydropyrany, or triazolyl, each substituted with zero to 4 substituents independently selected from F, Cl, $-OH$, C_{1-3} alkyl, C_{1-2} hydroxyalkyl, C_{1-2} alkoxy, $-(CH_2)_{1-2}O(C_{1-2} \text{ alkyl})$, $-NR_xR_x$, $-C(O)NR_xR_x$, and $-CH_2S(O)_2(C_{1-2} \text{ alkyl})$.

One embodiment provides a compound of Formula (I), N-oxide, or a salt thereof wherein A is an aromatic group selected from [1,2,4]triazolo[1,5-a]pyridiny, imidazo[1,2-a]pyridiny, imidazolyl, indazolyl, isoquinolinyl, oxadiazolyl, oxazolyl, phenyl, pyraziny, pyrazolo[3,4-b]pyridiny, pyrazolyl, pyridaziny, pyridiny, pyrimidinyl, pyrrolyl, quinolinonyl, quinolinyl, quinoxaliny, tetrahydro-[1,2,4]triazolo[1,5-a]pyraziny, tetrahydroimidazo[1,2-a]pyraziny, tetrahydroisoquinolinyl, tetrahydrothiazolo[5,4-c]pyridiny, tetrahydrothieno[2,3-c]pyridiny, thiadiazolyl, thiazolyl, thiooxadiazolyl, and triazolyl, each substituted with zero to 2 R_{14a} and zero to 3 R_{14b} ; and G, R_1 , R_5 , R_{14a} , R_{14b} , R_x , R_y , n, and p are defined in the first aspect or the second aspect. Included in this embodiment are

- compounds in which each R_{14a} is independently: (i) H, F, Cl, $-OH$, C_{1-5} alkyl, C_{1-2} fluoroalkyl, C_{1-2} hydroxyalkyl, $-(CH_2)_{0-2}OCH_3$, $-CHR_xNR_x(C_{1-5} \text{ alkyl})$, $-CHR_xNR_x(C_{1-2} \text{ cyanoalkyl})$, $-CHR_xNR_x((CH_2)_{1-2}OCH_3)$, $-CHR_xN((CH_2)_{1-2}OCH_3)_2$, $-CH_2NR_x(CH_2C\equiv CR_x)$, $-CH_2NR_xCH_2CH_2NR_xR_x$, $-(CH_2)_{1-3}CR_xR_xNR_xR_x$,
5 $-CH(NH_2)(CH_2)_{3-4}NR_xR_x$, $-CH_2NR_x(CH_2)_{1-2}O(C_{1-3} \text{ alkyl})$, $-CH_2NR_x(CH_2)_{1-2}O(CH_2)_{1-2}OH$, $-CH_2NH(CH_2)_{1-2}S(O)_2OH$, $-CH_2C(O)NR_xR_x$, $-NR_xR_y$, $-NR_x(CH_2)_{2-3}NR_xR_x$, $-NR_xC(O)(C_{1-2} \text{ alkyl})$, $-NR_xC(O)(C_{1-2} \text{ fluoroalkyl})$, $-NR_xC(O)O(C_{1-3} \text{ alkyl})$, $-NR_xC(O)(CH_2)_{1-2}NR_xR_x$, $-NR_xCH_2C(O)CH_2NR_xR_x$, $-C(O)(C_{1-2} \text{ alkyl})$, $-C(O)CH_2CR_xR_xOH$, $-C(O)CH_2NR_xR_x$, $-C(O)NR_xR_x$,
10 $-C(O)NR_x(CH_2CN)$, $-C(O)NR_x(CR_xR_x)_{2-3}NR_xR_x$, $-C(O)N(CH_2CH_3)(CR_xR_x)_{2-3}NR_xR_x$, $-C(O)NR_xCH_2C(O)NR_xR_x$, $-C(O)NR_xCH_2CH_2NR_xC(O)CH_3$, $-O(CR_xR_x)_{2-3}NR_xR_x$, $-S(O)_2NR_xR_x$, or $-C(O)CH_2S(O)_2(C_{1-2} \text{ alkyl})$; (ii) 8-azabicyclo[3.2.1]octanyl, azaspiro[3.5]nonanyl, azetidiny, benzo[c][1,2,5]oxadiazolyl, cyclopentyl, cyclohexyl, diazepanyl, morpholinyl, phenyl, piperazinyl, piperidiny, pyrazolyl, pyridiny,
15 pyrrolidinonyl, quinolinyl, quinuclidiny, tetrahydroisoquinolinyl, tetrahydropyridiny, or thiazolidiny, each substituted with zero to 2 substituents independently selected from C_{1-4} alkyl, C_{1-2} fluoroalkyl, C_{1-4} hydroxyalkyl, $-NR_xR_x$, $-(CH_2)_{1-2}NR_xR_x$, $-C(O)(C_{1-2} \text{ alkyl})$, $-C(O)CH_2NR_xR_x$, $-C(O)O(C_{1-3} \text{ alkyl})$, $-CH_2C(O)NR_xR_x$, C_{3-6} cycloalkyl, $-CH_2(\text{phenyl})$, $-CH_2(\text{pyrrolyl})$, $-CH_2(\text{morpholinyl})$, $-CH_2(\text{methylpiperazinyl})$,
20 $-CH_2(\text{thiophenyl})$, methylpiperidiny, isobutylpiperidiny, and pyridiny; or (iii) $-L_3-R_{14c}$; each R_{14b} is F, $-CH_3$, or $-OCH_3$; and R_{14c} is adamantanyl, azepanyl, azetidiny, C_{3-7} cycloalkyl, diazepanyl, imidazolyl, indolyl, morpholinyl, octahydropyrrolo[3,4-c]pyrrolyl, phenyl, piperazinonyl, piperazinyl, piperidiny, pyridiny, pyrrolidinonyl, pyrrolidinyl, pyrrolyl, triazolyl, or tetrazolyl, each substituted with zero to 1 substituent
25 selected from F, $-OH$, C_{1-4} alkyl, C_{1-3} hydroxyalkyl, $-NR_xR_y$, $-NR_xC(O)CH_3$, $-C(O)(C_{1-2} \text{ alkyl})$, $-C(O)NR_xR_x$, $-C(O)N(CH_2CH_3)_2$, $-C(O)(\text{tetrahydrofuranlyl})$, $-C(O)O(C_{1-2} \text{ alkyl})$, $-CH_2C(O)NR_xR_y$, morpholinyl, methylpiperidiny, pyrazinyl, pyridiny, and pyrrolidinyl.

One embodiment provides a compound of Formula (I), N-oxide, or a salt thereof

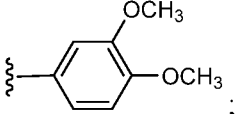
wherein A is:

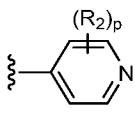
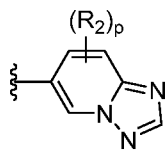
(i) $-NR_7R_8$ wherein R_7 and R_8 together with the nitrogen atom to which they are attached form a heterocyclic ring selected from piperazinyl, piperidinyl, or diazaspiro[3.3]heptanyl, wherein said heterocyclic ring is substituted with zero to 1

5 R_{7b} and zero to 1 R_{7c} ; or

(ii) $-CHR_{12}R_{13}$, wherein R_{12} and R_{13} together with the carbon atom to which they are attached form a cyclic group selected from cyclopentyl, cyclohexyl, morpholinyl, or piperidinyl, each substituted with zero to 1 R_{12a} ;

and G, R_1 , R_5 , R_{7b} , R_{7c} , R_{12a} , and n are defined in the first aspect or the second aspect.

10 Included in this embodiment are compounds in which G is:  ;

 ; or  . Also included in this embodiment are compounds in which R_1 is $-CH_3$ or $-CH(CH_3)_2$; each R_2 is independently $-CH_3$ or $-OCH_3$; and p is zero, 1, or 2.

One embodiment provides a compound of Formula (I), N-oxide, or a salt thereof
15 wherein said compound is selected from Examples 1 to 472.

One embodiment provides a compound of Formula (I), N-oxide, or a salt thereof wherein said compound is selected from Examples 1 to 351.

One embodiment provides a compound of Formula (I), N-oxide, or a salt thereof wherein said compound is selected from Examples 352 to 472.

20 The present invention may be embodied in other specific forms without departing from the spirit or essential attributes thereof. The invention encompasses all combinations of the aspects and/or embodiments of the invention noted herein. It is understood that any and all embodiments of the present invention may be taken in conjunction with any other embodiment or embodiments to describe additional
25 embodiments. It is also to be understood that each individual element of the embodiments is meant to be combined with any and all other elements from any embodiment to describe an additional embodiment.

DEFINITIONS

The features and advantages of the invention may be more readily understood by those of ordinary skill in the art upon reading the following detailed description. It is to be appreciated that certain features of the invention that are, for clarity reasons, described above and below in the context of separate embodiments, may also be combined to form a single embodiment. Conversely, various features of the invention that are, for brevity reasons, described in the context of a single embodiment, may also be combined so as to form sub-combinations thereof. Embodiments identified herein as exemplary or preferred are intended to be illustrative and not limiting.

Unless specifically stated otherwise herein, references made in the singular may also include the plural. For example, “a” and “an” may refer to either one, or one or more.

As used herein, the phrase “compounds” refers to at least one compound. For example, a compound of Formula (I) includes a compound of Formula (I) and two or more compounds of Formula (I).

Unless otherwise indicated, any heteroatom with unsatisfied valences is assumed to have hydrogen atoms sufficient to satisfy the valences.

The definitions set forth herein take precedence over definitions set forth in any patent, patent application, and/or patent application publication incorporated herein by reference.

Listed below are definitions of various terms used to describe the present invention. These definitions apply to the terms as they are used throughout the specification (unless they are otherwise limited in specific instances) either individually or as part of a larger group.

Throughout the specification, groups and substituents thereof may be chosen by one skilled in the field to provide stable moieties and compounds.

In accordance with a convention used in the art,



is used in structural formulas herein to depict the bond that is the point of attachment of the moiety or substituent to the core or backbone structure.

The terms “halo” and “halogen,” as used herein, refer to F, Cl, Br, and I.

The term “cyano” refers to the group $-\text{CN}$.

The term “amino” refers to the group $-\text{NH}_2$.

The term “oxo” refers to the group $=\text{O}$.

5 The term “alkyl” as used herein, refers to both branched and straight-chain saturated aliphatic hydrocarbon groups containing, for example, from 1 to 12 carbon atoms, from 1 to 6 carbon atoms, and from 1 to 4 carbon atoms. Examples of alkyl groups include, but are not limited to, methyl (Me), ethyl (Et), propyl (*e.g.*, n-propyl and i-propyl), butyl (*e.g.*, n-butyl, i-butyl, sec-butyl, and *t*-butyl), and pentyl (*e.g.*, n-pentyl, 10 isopentyl, neopentyl), n-hexyl, 2-methylpentyl, 2-ethylbutyl, 3-methylpentyl, and 4-methylpentyl. When numbers appear in a subscript after the symbol “C”, the subscript defines with more specificity the number of carbon atoms that a particular group may contain. For example, “C₁₋₆ alkyl” denotes straight and branched chain alkyl groups with one to six carbon atoms.

15 The term “fluoroalkyl” as used herein is intended to include both branched and straight-chain saturated aliphatic hydrocarbon groups substituted with one or more fluorine atoms. For example, “C₁₋₄ fluoroalkyl” is intended to include C₁, C₂, C₃, and C₄ alkyl groups substituted with one or more fluorine atoms. Representative examples of fluoroalkyl groups include, but are not limited to, $-\text{CF}_3$ and $-\text{CH}_2\text{CF}_3$.

20 The term “cyanoalkyl” includes both branched and straight-chain saturated alkyl groups substituted with one or more cyano groups. For example, “cyanoalkyl” includes $-\text{CH}_2\text{CN}$, $-\text{CH}_2\text{CH}_2\text{CN}$, and C₁₋₄ cyanoalkyl.

 The term “aminoalkyl” includes both branched and straight-chain saturated alkyl groups substituted with one or more amine groups. For example, “aminoalkyl” includes 25 $-\text{CH}_2\text{NH}_2$, $-\text{CH}_2\text{CH}_2\text{NH}_2$, and C₁₋₄ aminoalkyl.

 The term “hydroxyalkyl” includes both branched and straight-chain saturated alkyl groups substituted with one or more hydroxyl groups. For example, “hydroxyalkyl” includes $-\text{CH}_2\text{OH}$, $-\text{CH}_2\text{CH}_2\text{OH}$, and C₁₋₄ hydroxyalkyl.

 The term “hydroxy-fluoroalkyl” includes both branched and straight-chain 30 saturated alkyl groups substituted with one or more hydroxyl groups and one or more

fluorine atoms. For example, "hydroxy-fluoroalkyl" includes $-\text{CHFCH}_2\text{OH}$, $-\text{CH}_2\text{CHFC}(\text{CH}_3)_2\text{OH}$, and C_{1-4} hydroxy-fluoroalkyl.

The term "cycloalkyl," as used herein, refers to a group derived from a non-aromatic monocyclic or polycyclic hydrocarbon molecule by removal of one hydrogen atom from a saturated ring carbon atom. Representative examples of cycloalkyl groups include, but are not limited to, cyclopropyl, cyclopentyl, and cyclohexyl. When numbers appear in a subscript after the symbol "C", the subscript defines with more specificity the number of carbon atoms that a particular cycloalkyl group may contain. For example, "C₃-C₆ cycloalkyl" denotes cycloalkyl groups with three to six carbon atoms.

The term "alkoxy," as used herein, refers to an alkyl group attached to the parent molecular moiety through an oxygen atom, for example, methoxy group ($-\text{OCH}_3$). For example, "C₁₋₃ alkoxy" denotes alkoxy groups with one to three carbon atoms.

The term "alkoxyalkyl," as used herein, refers to an alkoxy group attached through its oxygen atom to an alkyl group, which is attached to the parent molecular moiety, for example, methoxymethyl group ($-\text{CH}_2\text{OCH}_3$). For example, "C₂₋₄ alkoxyalkyl" denotes alkoxyalkyl groups with two to four carbon atoms, such as $-\text{CH}_2\text{OCH}_3$, $-\text{CH}_2\text{CH}_2\text{OCH}_3$, $-\text{CH}_2\text{OCH}_2\text{CH}_3$, and $-\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_3$.

The phrase "pharmaceutically acceptable" is employed herein to refer to those compounds, materials, compositions, and/or dosage forms which are, within the scope of sound medical judgment, suitable for use in contact with the tissues of human beings and animals without excessive toxicity, irritation, allergic response, or other problem or complication, commensurate with a reasonable benefit/risk ratio.

The compounds of Formula (I) can be provided as amorphous solids or crystalline solids. Lyophilization can be employed to provide the compounds of Formula (I) as amorphous solids.

It should further be understood that solvates (e.g., hydrates) of the compounds of Formula (I) are also within the scope of the present invention. The term "solvate" means a physical association of a compound of Formula (I) with one or more solvent molecules, whether organic or inorganic. This physical association includes hydrogen bonding. In certain instances the solvate will be capable of isolation, for example when one or more solvent molecules are incorporated in the crystal lattice of the crystalline solid. "Solvate"

encompasses both solution-phase and isolable solvates. Exemplary solvates include hydrates, ethanolates, methanolates, isopropanolates, acetonitrile solvates, and ethyl acetate solvates. Methods of solvation are known in the art.

Various forms of prodrugs are well known in the art and are described in:

- 5 a) *The Practice of Medicinal Chemistry*, Camille G. Wermuth et al., Ch 31, (Academic Press, 1996);
- b) *Design of Prodrugs*, edited by H. Bundgaard, (Elsevier, 1985);
- c) *A Textbook of Drug Design and Development*, P. Krogsgaard-Larson and H. Bundgaard, eds. Ch 5, pgs 113 – 191 (Harwood Academic Publishers, 1991); and
- 10 d) *Hydrolysis in Drug and Prodrug Metabolism*, Bernard Testa and Joachim M. Mayer, (Wiley-VCH, 2003).

In addition, compounds of Formula (I), subsequent to their preparation, can be isolated and purified to obtain a composition containing an amount by weight equal to or greater than 99% of a compound of Formula (I) (“substantially pure”), which is then used
15 or formulated as described herein. Such “substantially pure” compounds of Formula (I) are also contemplated herein as part of the present invention.

“Stable compound” and “stable structure” are meant to indicate a compound that is sufficiently robust to survive isolation to a useful degree of purity from a reaction mixture, and formulation into an efficacious therapeutic agent. The present invention is
20 intended to embody stable compounds.

“Therapeutically effective amount” is intended to include an amount of a compound of the present invention alone or an amount of the combination of compounds claimed or an amount of a compound of the present invention in combination with other active ingredients effective to act as an inhibitor to TLR7/8/9, or effective to treat or
25 prevent autoimmune and/or inflammatory disease states, such as SLE, IBD, multiple sclerosis (MS), and Sjögren's syndrome, and rheumatoid arthritis.

As used herein, “treating” or “treatment” cover the treatment of a disease-state in a mammal, particularly in a human, and include: (a) preventing the disease-state from occurring in a mammal, in particular, when such mammal is predisposed to the disease-state but has not yet been diagnosed as having it; (b) inhibiting the disease-state, i.e.,
30 arresting its development; and/or (c) relieving the disease-state, i.e., causing regression of the disease state.

The compounds of the present invention are intended to include all isotopes of atoms occurring in the present compounds. Isotopes include those atoms having the same atomic number but different mass numbers. By way of general example and without limitation, isotopes of hydrogen include deuterium (D) and tritium (T). Isotopes of carbon include ^{13}C and ^{14}C . Isotopically-labeled compounds of the invention can generally be prepared by conventional techniques known to those skilled in the art or by processes analogous to those described herein, using an appropriate isotopically-labeled reagent in place of the non-labeled reagent otherwise employed. For example, methyl ($-\text{CH}_3$) also includes deuterated methyl groups such as $-\text{CD}_3$.

UTILITY

The human immune system has evolved to defend the body from micro-organisms, viruses, and parasites that can cause infection, disease or death. Complex regulatory mechanisms ensure that the various cellular components of the immune system target the foreign substances or organisms, while not causing permanent or significant damage to the individual. While the initiating events are not well understood at this time, in autoimmune disease states the immune system directs its inflammatory response to target organs in the afflicted individual. Different autoimmune diseases are typically characterized by the predominate or initial target organ or tissues affected; such as the joint in the case of rheumatoid arthritis, the thyroid gland in the case of Hashimoto's thyroiditis, the central nervous system in the case of multiple sclerosis, the pancreas in the case of type I diabetes, and the bowel in the case of inflammatory bowel disease.

The compounds of the invention inhibit signaling through Toll-like receptor 7, or 8, or 9 (TLR7, TLR8, TLR9) or combinations thereof. Accordingly, compounds of Formula (I) have utility in treating conditions associated with the inhibition of signaling through one or more of TLR7, TLR8, or TLR9. Such conditions include TLR7, TLR8, or TLR9 receptor associated diseases in which cytokine levels are modulated as a consequence of intracellular signaling.

As used herein, the terms "treating" or "treatment" encompass the treatment of a disease state in a mammal, particularly in a human, and include: (a) preventing or delaying the occurrence of the disease state in a mammal, in particular, when such mammal is predisposed to the disease state but has not yet been diagnosed as having it;

(b) inhibiting the disease state, *i.e.*, arresting its development; and/or (c) achieving a full or partial reduction of the symptoms or disease state, and/or alleviating, ameliorating, lessening, or curing the disease or disorder and/or its symptoms.

In view of their activity as selective inhibitors of TLR7, TLR8, or TLR9,
 5 compounds of Formula (I) are useful in treating TLR7, TLR8, or TLR9 family receptor associated diseases, but not limited to, inflammatory diseases such as Crohn's disease, ulcerative colitis, asthma, graft versus host disease, allograft rejection, chronic obstructive pulmonary disease; autoimmune diseases such as Graves' disease, rheumatoid arthritis, systemic lupus erythematosus, lupus nephritis, cutaneous lupus, psoriasis; auto-
 10 inflammatory diseases including Cryopyrin-Associated Periodic Syndromes (CAPS), TNF Receptor Associated Periodic Syndrome (TRAPS), Familial Mediterranean Fever (FMF), adult onset stills, systemic onset juvenile idiopathic arthritis, gout, gouty arthritis; metabolic diseases including type 2 diabetes, atherosclerosis, myocardial infarction; destructive bone disorders such as bone resorption disease, osteoarthritis, osteoporosis,
 15 multiple myeloma-related bone disorder; proliferative disorders such as acute myelogenous leukemia, chronic myelogenous leukemia; angiogenic disorders such as angiogenic disorders including solid tumors, ocular neovascularization, and infantile haemangiomas; infectious diseases such as sepsis, septic shock, and Shigellosis; neurodegenerative diseases such as Alzheimer's disease, Parkinson's disease, cerebral
 20 ischemias or neurodegenerative disease caused by traumatic injury, oncologic and viral diseases such as metastatic melanoma, Kaposi's sarcoma, multiple myeloma, and HIV infection and CMV retinitis, AIDS, respectively.

More particularly, the specific conditions or diseases that may be treated with the inventive compounds include, without limitation, pancreatitis (acute or chronic), asthma,
 25 allergies, adult respiratory distress syndrome, chronic obstructive pulmonary disease, glomerulonephritis, rheumatoid arthritis, systemic lupus erythematosus, scleroderma, chronic thyroiditis, Graves' disease, autoimmune gastritis, diabetes, autoimmune hemolytic anemia, autoimmune neutropenia, thrombocytopenia, atopic dermatitis, chronic active hepatitis, myasthenia gravis, multiple sclerosis, inflammatory bowel disease,
 30 ulcerative colitis, Crohn's disease, psoriasis, graft vs. host disease, inflammatory reaction induced by endotoxin, tuberculosis, atherosclerosis, muscle degeneration, cachexia, psoriatic arthritis, Reiter's syndrome, gout, traumatic arthritis, rubella arthritis, acute

synovitis, pancreatic β -cell disease; diseases characterized by massive neutrophil infiltration; rheumatoid spondylitis, gouty arthritis and other arthritic conditions, cerebral malaria, chronic pulmonary inflammatory disease, silicosis, pulmonary sarcoidosis, bone resorption disease, allograft rejections, fever and myalgias due to infection, cachexia

5 secondary to infection, keloid formation, scar tissue formation, ulcerative colitis, pyresis, influenza, osteoporosis, osteoarthritis, acute myelogenous leukemia, chronic myelogenous leukemia, metastatic melanoma, Kaposi's sarcoma, multiple myeloma, sepsis, septic shock, and Shigellosis; Alzheimer's disease, Parkinson's disease, cerebral ischemias or neurodegenerative disease caused by traumatic injury; angiogenic disorders

10 including solid tumors, ocular neovascularization, and infantile haemangiomas; viral diseases including acute hepatitis infection (including hepatitis A, hepatitis B and hepatitis C), HIV infection and CMV retinitis, AIDS, ARC or malignancy, and herpes; stroke, myocardial ischemia, ischemia in stroke heart attacks, organ hypoxia, vascular hyperplasia, cardiac and renal reperfusion injury, thrombosis, cardiac hypertrophy,

15 thrombin-induced platelet aggregation, endotoxemia and/or toxic shock syndrome, conditions associated with prostaglandin endoperoxidase synthase-2, and pemphigus vulgaris. Included in this embodiment are methods of treatment in which the condition is selected from lupus including lupus nephritis and systemic lupus erythematosus (SLE), Crohn's disease, ulcerative colitis, allograft rejection, rheumatoid arthritis, psoriasis,

20 ankylosing spondylitis, psoriatic arthritis, and pemphigus vulgaris. Also included are methods of treatment in which the condition is selected from ischemia reperfusion injury, including cerebral ischemia reperfusion injury arising from stroke and cardiac ischemia reperfusion injury arising from myocardial infarction. Another method of treatment is one in which the condition is multiple myeloma.

25 In one embodiment, the compounds of Formula (I) are useful in treating cancer, including Waldenstrom's Macroglobulinemia (WM), diffuse large B cell lymphoma (DLBCL), chronic lymphocytic leukemia (CLL), cutaneous diffuse large B cell lymphoma, and primary CNS lymphoma.

In addition, the TLR7, TLR8, or TLR9 inhibitors of the present invention inhibit

30 the expression of inducible pro-inflammatory proteins such as prostaglandin endoperoxide synthase-2 (PGHS-2), also referred to as cyclooxygenase-2 (COX-2), IL-1, IL-6, IL-18, chemokines. Accordingly, additional TLR7/8/9 associated conditions

include edema, analgesia, fever and pain, such as neuromuscular pain, headache, pain caused by cancer, dental pain and arthritis pain. The inventive compounds also may be used to treat veterinary viral infections, such as lentivirus infections, including, but not limited to equine infectious anemia virus; or retrovirus infections, including feline
5 immunodeficiency virus, bovine immunodeficiency virus, and canine immunodeficiency virus.

The present invention thus provides methods for treating such conditions, comprising administering to a subject in need thereof a therapeutically-effective amount of at least one compound of Formula (I) or a salt thereof. "Therapeutically effective
10 amount" is intended to include an amount of a compound of the present invention that is effective when administered alone or in combination to inhibit autoimmune disease or chronic inflammatory disease.

The methods of treating TLR7, TLR8, or TLR9 associated conditions may comprise administering compounds of Formula (I) alone or in combination with each
15 other and/or other suitable therapeutic agents useful in treating such conditions. Accordingly, "therapeutically effective amount" is also intended to include an amount of the combination of compounds claimed that is effective to inhibit TLR7, TLR8, or TLR9 and/or treat diseases associated with TLR7, TLR8, or TLR9.

Exemplary of such other therapeutic agents include corticosteroids, rolipram,
20 calphostin, cytokine-suppressive anti-inflammatory drugs (CSAIDs), Interleukin-10, glucocorticoids, salicylates, nitric oxide, and other immunosuppressants; nuclear translocation inhibitors, such as deoxyspergualin (DSG); non-steroidal anti-inflammatory drugs (NSAIDs) such as ibuprofen, celecoxib and rofecoxib; steroids such as prednisone or dexamethasone; antiviral agents such as abacavir; antiproliferative agents such as
25 methotrexate, leflunomide, FK506 (tacrolimus, PROGRAF®); anti-malarials such as hydroxychloroquine; cytotoxic drugs such as azathioprine and cyclophosphamide; TNF- α inhibitors such as tenidap, anti-TNF antibodies or soluble TNF receptor, and rapamycin (sirolimus or RAPAMUNE®) or derivatives thereof.

The above other therapeutic agents, when employed in combination with the
30 compounds of the present invention, may be used, for example, in those amounts indicated in the *Physicians' Desk Reference* (PDR) or as otherwise determined by one of ordinary skill in the art. In the methods of the present invention, such other therapeutic

agent(s) may be administered prior to, simultaneously with, or following the administration of the inventive compounds. The present invention also provides pharmaceutical compositions capable of treating TLR7/8/9 receptor-associated conditions, including IL-1 family receptor-mediated diseases as described above.

5 The inventive compositions may contain other therapeutic agents as described above and may be formulated, for example, by employing conventional solid or liquid vehicles or diluents, as well as pharmaceutical additives of a type appropriate to the mode of desired administration (*e.g.*, excipients, binders, preservatives, stabilizers, flavors, etc.) according to techniques such as those well known in the art of pharmaceutical
10 formulation.

 Accordingly, the present invention further includes compositions comprising one or more compounds of Formula (I) and a pharmaceutically acceptable carrier.

 A "pharmaceutically acceptable carrier" refers to media generally accepted in the art for the delivery of biologically active agents to animals, in particular, mammals.

15 Pharmaceutically acceptable carriers are formulated according to a number of factors well within the purview of those of ordinary skill in the art. These include without limitation the type and nature of the active agent being formulated; the subject to which the agent-containing composition is to be administered; the intended route of administration of the composition; and, the therapeutic indication being targeted. Pharmaceutically acceptable
20 carriers include both aqueous and non-aqueous liquid media, as well as a variety of solid and semi-solid dosage forms. Such carriers can include a number of different ingredients and additives in addition to the active agent, such additional ingredients being included in the formulation for a variety of reasons, *e.g.*, stabilization of the active agent, binders, etc., well known to those of ordinary skill in the art. Descriptions of suitable
25 pharmaceutically acceptable carriers, and factors involved in their selection, are found in a variety of readily available sources such as, for example, *Remington's Pharmaceutical Sciences*, 17th Edition (1985), which is incorporated herein by reference in its entirety.

 Compounds in accordance with Formula (I) can be administered by any means suitable for the condition to be treated, which can depend on the need for site-specific
30 treatment or quantity of Formula (I) compound to be delivered.

 Also embraced within this invention is a class of pharmaceutical compositions comprising a compound of Formula (I) and one or more non-toxic, pharmaceutically-

acceptable carriers and/or diluents and/or adjuvants (collectively referred to herein as “carrier” materials) and, if desired, other active ingredients. The compounds of Formula (I) may be administered by any suitable route, preferably in the form of a pharmaceutical composition adapted to such a route, and in a dose effective for the treatment intended.

5 The compounds and compositions of the present invention may, for example, be administered orally, mucosally, or parenterally including intravascularly, intravenously, intraperitoneally, subcutaneously, intramuscularly, and intrasternally in dosage unit formulations containing conventional pharmaceutically acceptable carriers, adjuvants, and vehicles. For example, the pharmaceutical carrier may contain a mixture of mannitol
10 or lactose and microcrystalline cellulose. The mixture may contain additional components such as a lubricating agent, e.g. magnesium stearate and a disintegrating agent such as crospovidone. The carrier mixture may be filled into a gelatin capsule or compressed as a tablet. The pharmaceutical composition may be administered as an oral dosage form or an infusion, for example.

15 For oral administration, the pharmaceutical composition may be in the form of, for example, a tablet, capsule, liquid capsule, suspension, or liquid. The pharmaceutical composition is preferably made in the form of a dosage unit containing a particular amount of the active ingredient. For example, the pharmaceutical composition may be provided as a tablet or capsule comprising an amount of active ingredient in the range of
20 from about 0.1 to 1000 mg, preferably from about 0.25 to 250 mg, and more preferably from about 0.5 to 100 mg. A suitable daily dose for a human or other mammal may vary widely depending on the condition of the patient and other factors, but, can be determined using routine methods.

Any pharmaceutical composition contemplated herein can, for example, be
25 delivered orally via any acceptable and suitable oral preparations. Exemplary oral preparations, include, but are not limited to, for example, tablets, troches, lozenges, aqueous and oily suspensions, dispersible powders or granules, emulsions, hard and soft capsules, liquid capsules, syrups, and elixirs. Pharmaceutical compositions intended for oral administration can be prepared according to any methods known in the art for
30 manufacturing pharmaceutical compositions intended for oral administration. In order to provide pharmaceutically palatable preparations, a pharmaceutical composition in

accordance with the invention can contain at least one agent selected from sweetening agents, flavoring agents, coloring agents, demulcents, antioxidants, and preserving agents.

A tablet can, for example, be prepared by admixing at least one compound of Formula (I) with at least one non-toxic pharmaceutically acceptable excipient suitable for the manufacture of tablets. Exemplary excipients include, but are not limited to, for example, inert diluents, such as, for example, calcium carbonate, sodium carbonate, lactose, calcium phosphate, and sodium phosphate; granulating and disintegrating agents, such as, for example, microcrystalline cellulose, sodium crosscarmellose, corn starch, and alginic acid; binding agents, such as, for example, starch, gelatin, polyvinyl-pyrrolidone, and acacia; and lubricating agents, such as, for example, magnesium stearate, stearic acid, and talc. Additionally, a tablet can either be uncoated, or coated by known techniques to either mask the bad taste of an unpleasant tasting drug, or delay disintegration and absorption of the active ingredient in the gastrointestinal tract thereby sustaining the effects of the active ingredient for a longer period. Exemplary water soluble taste masking materials, include, but are not limited to, hydroxypropyl-methylcellulose and hydroxypropyl-cellulose. Exemplary time delay materials, include, but are not limited to, ethyl cellulose and cellulose acetate butyrate.

Hard gelatin capsules can, for example, be prepared by mixing at least one compound of Formula (I) with at least one inert solid diluent, such as, for example, calcium carbonate; calcium phosphate; and kaolin.

Soft gelatin capsules can, for example, be prepared by mixing at least one compound of Formula (I) with at least one water soluble carrier, such as, for example, polyethylene glycol; and at least one oil medium, such as, for example, peanut oil, liquid paraffin, and olive oil.

An aqueous suspension can be prepared, for example, by admixing at least one compound of Formula (I) with at least one excipient suitable for the manufacture of an aqueous suspension. Exemplary excipients suitable for the manufacture of an aqueous suspension, include, but are not limited to, for example, suspending agents, such as, for example, sodium carboxymethylcellulose, methylcellulose, hydroxypropylmethyl-cellulose, sodium alginate, alginic acid, polyvinyl-pyrrolidone, gum tragacanth, and gum acacia; dispersing or wetting agents, such as, for example, a naturally-occurring phosphatide, e.g., lecithin; condensation products of alkylene oxide with fatty acids, such

as, for example, polyoxyethylene stearate; condensation products of ethylene oxide with long chain aliphatic alcohols, such as, for example heptadecaethylene-oxycetanol; condensation products of ethylene oxide with partial esters derived from fatty acids and hexitol, such as, for example, polyoxyethylene sorbitol monooleate; and condensation products of ethylene oxide with partial esters derived from fatty acids and hexitol anhydrides, such as, for example, polyethylene sorbitan monooleate. An aqueous suspension can also contain at least one preservative, such as, for example, ethyl and n-propyl p-hydroxybenzoate; at least one coloring agent; at least one flavoring agent; and/or at least one sweetening agent, including but not limited to, for example, sucrose, saccharin, and aspartame.

Oily suspensions can, for example, be prepared by suspending at least one compound of Formula (I) in either a vegetable oil, such as, for example, arachis oil; olive oil; sesame oil; and coconut oil; or in mineral oil, such as, for example, liquid paraffin. An oily suspension can also contain at least one thickening agent, such as, for example, beeswax; hard paraffin; and cetyl alcohol. In order to provide a palatable oily suspension, at least one of the sweetening agents already described hereinabove, and/or at least one flavoring agent can be added to the oily suspension. An oily suspension can further contain at least one preservative, including, but not limited to, for example, an anti-oxidant, such as, for example, butylated hydroxyanisol, and alpha-tocopherol.

Dispersible powders and granules can, for example, be prepared by admixing at least one compound of Formula (I) with at least one dispersing and/or wetting agent; at least one suspending agent; and/or at least one preservative. Suitable dispersing agents, wetting agents, and suspending agents are as already described above. Exemplary preservatives include, but are not limited to, for example, anti-oxidants, e.g., ascorbic acid. In addition, dispersible powders and granules can also contain at least one excipient, including, but not limited to, for example, sweetening agents; flavoring agents; and coloring agents.

An emulsion of at least one compound of Formula (I) thereof can, for example, be prepared as an oil-in-water emulsion. The oily phase of the emulsions comprising compounds of Formula (I) may be constituted from known ingredients in a known manner. The oil phase can be provided by, but is not limited to, for example, a vegetable oil, such as, for example, olive oil and arachis oil; a mineral oil, such as, for example,

liquid paraffin; and mixtures thereof. While the phase may comprise merely an emulsifier, it may comprise a mixture of at least one emulsifier with a fat or an oil or with both a fat and an oil. Suitable emulsifying agents include, but are not limited to, for example, naturally-occurring phosphatides, e.g., soy bean lecithin; esters or partial esters
5 derived from fatty acids and hexitol anhydrides, such as, for example, sorbitan monooleate; and condensation products of partial esters with ethylene oxide, such as, for example, polyoxyethylene sorbitan monooleate. Preferably, a hydrophilic emulsifier is included together with a lipophilic emulsifier which acts as a stabilizer. It is also preferred to include both an oil and a fat. Together, the emulsifier(s) with or without
10 stabilizer(s) make-up the so-called emulsifying wax, and the wax together with the oil and fat make up the so-called emulsifying ointment base which forms the oily dispersed phase of the cream formulations. An emulsion can also contain a sweetening agent, a flavoring agent, a preservative, and/or an antioxidant. Emulsifiers and emulsion stabilizers suitable for use in the formulation of the present invention include Tween 60, Span 80, cetostearyl
15 alcohol, myristyl alcohol, glyceryl monostearate, sodium lauryl sulfate, glyceryl distearate alone or with a wax, or other materials well known in the art.

The compounds of Formula (I) can, for example, also be delivered intravenously, subcutaneously, and/or intramuscularly via any pharmaceutically acceptable and suitable injectable form. Exemplary injectable forms include, but are not limited to, for example,
20 sterile aqueous solutions comprising acceptable vehicles and solvents, such as, for example, water, Ringer's solution, and isotonic sodium chloride solution; sterile oil-in-water microemulsions; and aqueous or oleaginous suspensions.

Formulations for parenteral administration may be in the form of aqueous or non-aqueous isotonic sterile injection solutions or suspensions. These solutions and
25 suspensions may be prepared from sterile powders or granules using one or more of the carriers or diluents mentioned for use in the formulations for oral administration or by using other suitable dispersing or wetting agents and suspending agents. The compounds may be dissolved in water, polyethylene glycol, propylene glycol, ethanol, corn oil, cottonseed oil, peanut oil, sesame oil, benzyl alcohol, sodium chloride, tragacanth gum, and/or various buffers. Other adjuvants and modes of administration are well and widely
30 known in the pharmaceutical art. The active ingredient may also be administered by injection as a composition with suitable carriers including saline, dextrose, or water, or

with cyclodextrin (i.e. Captisol), cosolvent solubilization (i.e. propylene glycol) or micellar solubilization (i.e. Tween 80).

The sterile injectable preparation may also be a sterile injectable solution or suspension in a non-toxic parenterally acceptable diluent or solvent, for example as a solution in 1,3-butanediol. Among the acceptable vehicles and solvents that may be employed are water, Ringer's solution, and isotonic sodium chloride solution. In addition, sterile, fixed oils are conventionally employed as a solvent or suspending medium. For this purpose any bland fixed oil may be employed, including synthetic mono- or diglycerides. In addition, fatty acids such as oleic acid find use in the preparation of injectables.

A sterile injectable oil-in-water microemulsion can, for example, be prepared by 1) dissolving at least one compound of Formula (I) in an oily phase, such as, for example, a mixture of soybean oil and lecithin; 2) combining the Formula (I) containing oil phase with a water and glycerol mixture; and 3) processing the combination to form a microemulsion.

A sterile aqueous or oleaginous suspension can be prepared in accordance with methods already known in the art. For example, a sterile aqueous solution or suspension can be prepared with a non-toxic parenterally-acceptable diluent or solvent, such as, for example, 1,3-butane diol; and a sterile oleaginous suspension can be prepared with a sterile non-toxic acceptable solvent or suspending medium, such as, for example, sterile fixed oils, e.g., synthetic mono- or diglycerides; and fatty acids, such as, for example, oleic acid.

Pharmaceutically acceptable carriers, adjuvants, and vehicles that may be used in the pharmaceutical compositions of this invention include, but are not limited to, ion exchangers, alumina, aluminum stearate, lecithin, self-emulsifying drug delivery systems (SEDDS) such as d-alpha-tocopherol polyethyleneglycol 1000 succinate, surfactants used in pharmaceutical dosage forms such as Tweens, polyethoxylated castor oil such as CREMOPHOR surfactant (BASF), or other similar polymeric delivery matrices, serum proteins, such as human serum albumin, buffer substances such as phosphates, glycine, sorbic acid, potassium sorbate, partial glyceride mixtures of saturated vegetable fatty acids, water, salts or electrolytes, such as protamine sulfate, disodium hydrogen phosphate, potassium hydrogen phosphate, sodium chloride, zinc salts, colloidal silica,

magnesium trisilicate, polyvinyl pyrrolidone, cellulose-based substances, polyethylene glycol, sodium carboxymethylcellulose, polyacrylates, waxes, polyethylene-polyoxypropylene-block polymers, polyethylene glycol and wool fat. Cyclodextrins such as alpha-, beta-, and gamma-cyclodextrin, or chemically modified derivatives such as hydroxyalkylcyclodextrins, including 2- and 3-hydroxypropyl-cyclodextrins, or other solubilized derivatives may also be advantageously used to enhance delivery of compounds of the formulae described herein.

The pharmaceutically active compounds of this invention can be processed in accordance with conventional methods of pharmacy to produce medicinal agents for administration to patients, including humans and other mammals. The pharmaceutical compositions may be subjected to conventional pharmaceutical operations such as sterilization and/or may contain conventional adjuvants, such as preservatives, stabilizers, wetting agents, emulsifiers, buffers etc. Tablets and pills can additionally be prepared with enteric coatings. Such compositions may also comprise adjuvants, such as wetting, sweetening, flavoring, and perfuming agents.

The amounts of compounds that are administered and the dosage regimen for treating a disease condition with the compounds and/or compositions of this invention depends on a variety of factors, including the age, weight, sex, the medical condition of the subject, the type of disease, the severity of the disease, the route and frequency of administration, and the particular compound employed. Thus, the dosage regimen may vary widely, but can be determined routinely using standard methods. A daily dose of about 0.001 to 100 mg/kg body weight, preferably between about 0.0025 and about 50 mg/kg body weight and most preferably between about 0.005 to 10 mg/kg body weight, may be appropriate. The daily dose can be administered in one to four doses per day. Other dosing schedules include one dose per week and one dose per two day cycle.

For therapeutic purposes, the active compounds of this invention are ordinarily combined with one or more adjuvants appropriate to the indicated route of administration. If administered orally, the compounds may be admixed with lactose, sucrose, starch powder, cellulose esters of alkanolic acids, cellulose alkyl esters, talc, stearic acid, magnesium stearate, magnesium oxide, sodium and calcium salts of phosphoric and sulfuric acids, gelatin, acacia gum, sodium alginate, polyvinylpyrrolidone, and/or polyvinyl alcohol, and then tableted or encapsulated for convenient administration. Such

capsules or tablets may contain a controlled-release formulation as may be provided in a dispersion of active compound in hydroxypropylmethyl cellulose.

Pharmaceutical compositions of this invention comprise at least one compound of Formula (I) and optionally an additional agent selected from any pharmaceutically acceptable carrier, adjuvant, and vehicle. Alternate compositions of this invention comprise a compound of the Formula (I) described herein, or a prodrug thereof, and a pharmaceutically acceptable carrier, adjuvant, or vehicle.

The present invention also encompasses an article of manufacture. As used herein, article of manufacture is intended to include, but not be limited to, kits and packages. The article of manufacture of the present invention, comprises: (a) a first container; (b) a pharmaceutical composition located within the first container, wherein the composition, comprises: a first therapeutic agent, comprising: a compound of the present invention or a pharmaceutically acceptable salt form thereof; and (c) a package insert stating that the pharmaceutical composition can be used for the treatment of an inflammatory disorder and/or an autoimmune disease (as defined previously). In another embodiment, the package insert states that the pharmaceutical composition can be used in combination (as defined previously) with a second therapeutic agent to treat an inflammatory disorder and/or an autoimmune disease. The article of manufacture can further comprise: (d) a second container, wherein components (a) and (b) are located within the second container and component (c) is located within or outside of the second container. Located within the first and second containers means that the respective container holds the item within its boundaries.

The first container is a receptacle used to hold a pharmaceutical composition. This container can be for manufacturing, storing, shipping, and/or individual/bulk selling. First container is intended to cover a bottle, jar, vial, flask, syringe, tube (*e.g.*, for a cream preparation), or any other container used to manufacture, hold, store, or distribute a pharmaceutical product.

The second container is one used to hold the first container and, optionally, the package insert. Examples of the second container include, but are not limited to, boxes (*e.g.*, cardboard or plastic), crates, cartons, bags (*e.g.*, paper or plastic bags), pouches, and sacks. The package insert can be physically attached to the outside of the first container via tape, glue, staple, or another method of attachment, or it can rest inside the second

container without any physical means of attachment to the first container. Alternatively, the package insert is located on the outside of the second container. When located on the outside of the second container, it is preferable that the package insert is physically attached via tape, glue, staple, or another method of attachment. Alternatively, it can be adjacent to or touching the outside of the second container without being physically attached.

The package insert is a label, tag, marker, etc. that recites information relating to the pharmaceutical composition located within the first container. The information recited will usually be determined by the regulatory agency governing the area in which the article of manufacture is to be sold (*e.g.*, the United States Food and Drug Administration). In one embodiment, the package insert specifically recites the indications for which the pharmaceutical composition has been approved. The package insert may be made of any material on which a person can read information contained therein or thereon. For example, the package insert is a printable material (*e.g.*, paper, plastic, cardboard, foil, adhesive-backed paper or plastic, etc.) on which the desired information has been formed (*e.g.*, printed or applied).

METHODS OF PREPARATION

The compounds of the present invention can be prepared in a number of ways well known to one skilled in the art of organic synthesis. The compounds of the present invention can be synthesized using the methods described below, together with synthetic methods known in the art of synthetic organic chemistry, or variations thereon as appreciated by those skilled in the art. Preferred methods include, but are not limited to, those described below. All references cited herein are hereby incorporated in their entirety by reference.

The compounds of this invention may be prepared using the reactions and techniques described in this section. The reactions are performed in solvents appropriate to the reagents and materials employed and are suitable for the transformations being effected. Also, in the description of the synthetic methods described below, it is to be understood that all proposed reaction conditions, including choice of solvent, reaction atmosphere, reaction temperature, duration of the experiment and work up procedures, are chosen to be the conditions standard for that reaction, which should be readily recognized

by one skilled in the art. It is understood by one skilled in the art of organic synthesis that the functionality present on various portions of the molecule must be compatible with the reagents and reactions proposed. Such restrictions to the substituents that are compatible with the reaction conditions will be readily apparent to one skilled in the art and alternate methods must then be used. This will sometimes require a judgment to modify the order of the synthetic steps or to select one particular process scheme over another in order to obtain a desired compound of the invention. It will also be recognized that another major consideration in the planning of any synthetic route in this field is the judicious choice of the protecting group used for protection of the reactive functional groups present in the compounds described in this invention. An authoritative account describing the many alternatives to the trained practitioner is Greene and Wuts (*Protective Groups In Organic Synthesis*, Third Edition, Wiley and Sons, 1999).

EXAMPLES

Preparation of compounds of Formula (I), and intermediates used in the preparation of compounds of Formula (I), can be prepared using procedures shown in the following Examples and related procedures. The methods and conditions used in these examples, and the actual compounds prepared in these Examples, are not meant to be limiting, but are meant to demonstrate how the compounds of Formula (I) can be prepared. Starting materials and reagents used in these examples, when not prepared by a procedure described herein, are generally either commercially available, or are reported in the chemical literature, or may be prepared by using procedures described in the chemical literature.

ABBREVIATIONS

Ac	acetyl
ACN	acetonitrile
AcOH	acetic acid
anhyd.	anhydrous
aq.	aqueous
Bn	benzyl
Bu	butyl

	Boc	<i>tert</i> -butoxycarbonyl
	CV	Column Volumes
	DCE	dichloroethane
	DCM	dichloromethane
5	DMAP	dimethylaminopyridine
	DMF	dimethylformamide
	DMSO	dimethylsulfoxide
	EDC	1-(3-dimethylaminopropyl)-3-ethylcarbodiimide hydrochloride
	EtOAc	ethyl acetate
10	Et	ethyl
	EtOH	ethanol
	H or H ₂	hydrogen
	h, hr or hrs	hour(s)
	HCTU	<i>O</i> -(6-Chlorobenzotriazol-1-yl)- <i>N,N,N',N'</i> -tetramethyluronium
15		hexafluorophosphate
	hex	hexane
	i	iso
	IPA	isopropyl alcohol
	HOAc	acetic acid
20	HCl	hydrochloric acid
	HPLC	high pressure liquid chromatography
	LC	liquid chromatography
	M	molar
	mM	millimolar
25	Me	methyl
	MeOH	methanol
	MHz	megahertz
	min.	minute(s)
	mins	minute(s)
30	M ⁺¹	(M+H) ⁺
	MS	mass spectrometry
	n or N	normal

- | | | |
|----|---------------------------------------|---|
| | NBS | n-bromosuccinimide |
| | nm | nanometer |
| | nM | nanomolar |
| | NMP | N-methylpyrrolidine |
| 5 | Pd/C | palladium on carbon |
| | PdCl ₂ (dppf) ₂ | [1,1'-bis(diphenylphosphino)ferrocene]dichloropalladium(II) |
| | Pd(PPh ₃) ₄ | tetrakis(triphenylphosphine)palladium |
| | Ph | phenyl |
| | PPh ₃ | triphenylphosphine |
| 10 | Pr | propyl |
| | PSI | pounds per square inch |
| | PyBOP | bromotripyrrolidinophosphonium hexafluorophosphate |
| | Ret Time | retention time |
| | sat. | saturated |
| 15 | SFC | supercritical fluid chromatography |
| | TEA | triethylamine |
| | TFA | trifluoroacetic acid |
| | THF | tetrahydrofuran |
- 20 Analytical and Preparative HPLC conditions:
 QC-ACN-AA-XB: Column: Waters Acquity UPLC BEH C18, 2.1 x 50 mm, 1.7 μm particles; Mobile Phase A: 5:95 acetonitrile:water with 10 mM ammonium acetate; Mobile Phase B: 95:5 acetonitrile:water with 10 mM ammonium acetate; Temperature: 50 °C; Gradient: 0-100% B over 3 minutes, then a 0.75 minute hold at 100% B; Flow: 1.0
- 25 mL/min; Detection: UV at 220 nm.
 QC-ACN-TFA-XB: Column: Waters Acquity UPLC BEH C18, 2.1 x 50 mm, 1.7 μm particles; Mobile Phase A: 5:95 acetonitrile:water with 0.1% trifluoroacetic acid; Mobile Phase B: 95:5 acetonitrile:water with 0.1% trifluoroacetic acid; Temperature: 50 °C; Gradient: 0-100% B over 3 minutes, then a 0.75 minute hold at 100% B; Flow: 1.0
- 30 mL/min; Detection: UV at 220 nm.
 Method A1: L3 Acquity: Column: (LCMS) UPLC BEH C18, 2.1 x 50 mm, 1.7 μm particles; Mobile Phase: (A) water; (B) acetonitrile; Buffer: 0.05% TFA; Gradient Range:

2%-98% B (0 to 1 min) 98%B (to 1.5 min) 98%-2% B (to 1.6 min); Gradient Time: 1.6 min; Flow Rate: 0.8 mL/min; Analysis Time: 2.2 min; Detection: Detector 1: UV at 220 nm; Detector 2: MS (ESI⁺).

Method B1: L2 Acquity; Column: (LCMS) UPLC BEH C18, 2.1 x 50 mm, 1.7 µm particles; Mobile Phase: (A) water; (B) acetonitrile; Buffer: 0.05% TFA; Gradient Range: 2%-98% B (0 to 1 min), 98%-2% B (to 1.5 min); Gradient Time: 1.8 min; Flow Rate: 0.8 mL/min; Analysis Time: 2.2 min; Detection: Detector 1: UV at 220 nm; Detector 2: MS (ESI⁺).

Method C1 SCP: Column: Waters Acquity UPLC BEH C18, 2.1 x 50 mm, 1.7 µm particles; Mobile Phase A: 5:95 acetonitrile:water with 10 mM ammonium acetate; Mobile Phase B: 95:5 acetonitrile:water with 10 mM ammonium acetate. Temperature: 50 °C; Gradient: 0-100% B over 3 minutes, then a 0.75 minute hold at 100% B; Flow: 1.11 mL/min; Detection: UV at 220 nm.

Method D1 SCP: Column: Waters Acquity UPLC BEH C18, 2.1 x 50 mm, 1.7 µm particles; Mobile Phase A: 5:95 acetonitrile:water with 0.1% trifluoroacetic acid; Mobile Phase B: 95:5 acetonitrile:water with 0.1% trifluoroacetic acid; Temperature: 50 °C; Gradient: 0-100% B over 3 minutes, then a 0.75-minute hold at 100% B; Flow: 1.11 mL/min; Detection: UV at 220 nm.

Method D2 SCP: Column: XBridge C18, 19 x 200 mm, 5 µm particles; Mobile Phase A: 5:95 acetonitrile: water with 10-mM ammonium acetate; Mobile Phase B: 95:5 acetonitrile: water with 10 mM ammonium acetate; Gradient: 10-50% B over 20 minutes, then a 5 minute hold at 100% B; Flow: 20 mL/min. Detection: UV at 220 nm.

Method D3 SCP: Column: XBridge C18, 19 x 200 mm, 5 µm particles; Mobile Phase A: 5:95 acetonitrile: water with 0.1% trifluoroacetic acid; Mobile Phase B: 95:5 acetonitrile: water with 0.1% trifluoroacetic acid; Gradient: 6-46% B over 20 minutes, then a 4 minute hold at 100% B; Flow: 20 mL/min. Detection: UV at 220 nm.

Method E1 iPAC: Column: Waters Xbridge C18 4.6 x 50 mm 5 µm particles; Mobile Phase A: 5:95 acetonitrile:water with 10 mM ammonium acetate; Mobile Phase B: 95:5 acetonitrile:water with 10 mM ammonium acetate. Temperature: 50 °C; Gradient: 0-100% B over 1 minute; Flow: 4 mL/min; Detection: UV at 220 nm.

Method F1 iPAC: Column: Waters Acquity BEH C18 2.1x50 mm 1.7 µm particles;

Mobile Phase A: 5:95 acetonitrile:water with 0.1% trifluoroacetic acid; Mobile Phase B: 95:5 acetonitrile:water with 0.1% trifluoroacetic acid; Temperature: 50 °C; Gradient: 0-100% B over 2.20 minutes; Flow: 0.800 mL/min; Detection: UV at 220 nm.

(A): Column-Ascentis Express C18 (50 x 2.1 mm-2.7 µm) Mphase A: 10 mM NH₄COOH in water: ACN (98:02); Mphase B: 10 mM NH₄COOH in water: ACN (02:98), Gradient: 0-100% B over 3 minutes, Flow = 1 mL/min.

(B): Waters Acquity BEH C18 (2.1 x 50 mm) 1.7 micron; Buffer: 5 mM ammonium acetate pH 5 adjusted with HCOOH, Solvent A: Buffer:ACN (95:5), Solvent B: Buffer:ACN (5:95), Method:%B: 0 min-5%: 1.1 min -95%: 1.7 min-95%, Flow: 0.8 mL/min.

(C): Column-Ascentis Express C18 (50 x 2.1 mm, 2.7 µm) Mobile phase A: 0.1% HCOOH in water; Mobile phase B: ACN. Temperature: 50 °C; Gradient: 0-100% B over 3 minutes; Flow rate: 1.0 mL/min.

(D): Kinetex XB-C18 (75 x 3 mm) 2.6 micron; Solvent A: 10 mM ammonium formate in water: acetonitrile (98:02); Mobile Phase B: 10 mM ammonium formate in water: acetonitrile (02:98); Temperature: 50 °C; Gradient: 0-100% B over 3 minutes; Flow rate: 1.1 mL/min; Detection: UV at 220 nm.

(E): Column: Ascentis Express C18 (50 x 2.1)mm, 2.7 µm; Mobile Phase A: 5:95 acetonitrile: water with 10 mM NH₄OAc; Mobile Phase B: 95:5 acetonitrile: water with 10 mM NH₄OAc; Temperature: 50 °C; Gradient: 0-100% B over 3 minutes; Flow: 1.1 mL/min.

(F): Column: Ascentis Express C18 (50 x 2.1)mm, 2.7 µm; Mobile Phase A: 5:95 acetonitrile: water with 0.1% TFA; Mobile Phase B: 95:5 acetonitrile: water with 0.1% TFA; Temperature: 50 °C; Gradient: 0-100%B over 3 minutes; Flow: 1.1 mL/min.

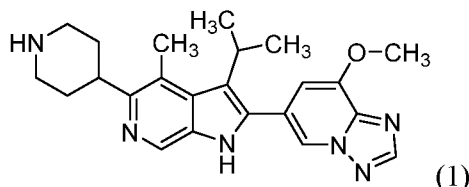
(G): Column: Waters Acquity UPLC BEH C18 (2.1 x 50 mm), 1.7 micron; Solvent A = 100% water with 0.05% TFA; Solvent B = 100% acetonitrile with 0.05% TFA; gradient = 2-98% B over 1 minute, then a 0.5 minute hold at 98% B; Flow rate: 0.8 mL/min; Detection: UV at 220 nm.

(H): Column: Acentis Express C18 (50 x 2.1 mm) 1.7 µm, Acentis C8 NH₄COOH 5 min. M, Mobile Phase A: 10 mM ammonium formate: ACN (98:2), Mobile Phase B: 10 mM ammonium formate: ACN (2:98), gradient: 20%-100% B (0-4 min); 100% B (4-4.6 min); Flow: 1 mL/min

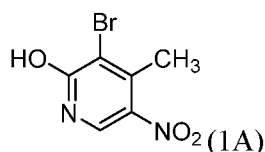
- (I) Column: Sunfire C18 (4.6 x 150) mm, 3.5 μ m; Mobile Phase A: 5:95 acetonitrile: water with 0.05% TFA; Mobile Phase B: 95:5 acetonitrile: water with 0.05% TFA; Temperature: 50 °C; Gradient: 10-100%B over 12 minutes; Flow: 1 mL/min.
- (J) Column: Sunfire C18 (4.6 x 150)mm, 3.5 μ m; Mobile Phase A: 5:95 acetonitrile: water with 0.05% TFA; Mobile Phase B: 95:5 acetonitrile: water with 0.05% TFA;
- 5 (K) Waters Acquity SDS Mobile Phase: A: water B: ACN; 5%-95%B in 1 min; Gradient Range: 50%-98% B (0-0.5 min); 98%B (0.5 min-1 min); 98%-2% B (1-1.1 min); Run time: 1.2 min; Flow Rate: 0.7 mL/min; Analysis Time: 1.7 min; Detection: Detector 1: UV at 220 nm; Detector 2: MS (ES⁺).
- 10 (L) Acquity UPLC BEH C18 (3.0 x 50 mm) 1.7 μ m. Buffer: 5 mM ammonium acetate Mobile phase A: Buffer:ACN (95:5); Mobile phase B:Buffer:ACN (5:95) Method: %B: 0 min-20%:1.1 min -90%:1.7 min-90%. Run time: 2.25 min; Flow Rate: 0.7 mL/min; Detection: Detector 1: UV at 220 nm; Detector 2: MS (ES⁺).
- (M): Kinetex SBC18 (4.6 x 50 mm) 5 micron; Solvent A: 10 mM ammonium formate in water: acetonitrile (98:02); Mobile Phase B: 10 mM ammonium formate in water: acetonitrile (02:98); Temperature: 50 °C; Gradient: 30-100% B (0-4 min), 100% B (4-4.6 min), 100-30% B (4.6-4.7 min), 30% B (4.7-5.0 min); Flow rate: 1.5 mL/min; Detection: UV at 220 nm.
- 15 (N): Column-Ascentis Express C18 (50 x 2.1 mm-2.7 μ m) Mphase A: 10 mM NH₄COOH in water: ACN (98:02); Mphase B: 10 mM NH₄COOH in water: ACN (02:98), Gradient: 0-100% B (0-1.7 minutes); 100% B (1.7-3.4 minutes). Flow = 1 mL/min.
- (O) Waters Acquity SDS Column BEH C18 (2.1 x 50 mm) 1.7 μ m. Phase A: buffer in water; Mphase B: buffer in ACN, Gradient: 20-98% B (0-1.25 minutes); 98% B (1.25-1.70 minutes); 98%-2% B (1.70-1.75 minutes); Flow = 0.8 mL/min.
- 25 (Q): Column: XBridge BEH XP C18 (50 x 2.1) mm, 2.5 μ m; Mobile Phase A: 5:95 acetonitrile: water with 0.1% TFA; Mobile Phase B: 95:5 acetonitrile: water with 0.1% TFA; Temperature: 50 °C; Gradient: 0-100%B over 3 minutes; Flow: 1.1 mL/min.
- (TS): Column: Waters Acquity UPLC BEH C18 (2.1 x 50 mm), 1.7 micron; Solvent A = 100% water with 0.05% TFA; Solvent B = 100% acetonitrile with 0.05% TFA; gradient =
- 30 2-98% B over 1 minute, then a 0.5-minute hold at 98% B; Flow rate: 0.8 mL/min; Detection: UV at 254 nm.

EXAMPLE 1

6-(3-isopropyl-4-methyl-5-(piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4] triazolo[1,5-a]pyridine

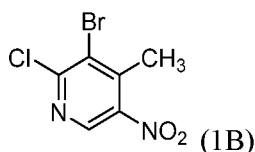


5 Intermediate 1A: 3-bromo-4-methyl-5-nitropyridin-2-ol



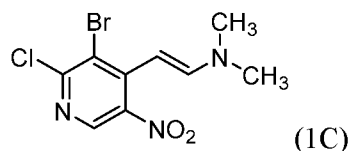
To a solution of 4-methyl-5-nitropyridin-2-ol (4.0 g, 26.0 mmol) in acetic acid (40 mL) was added bromine (1.604 mL, 31.1 mmol) dropwise at 0 °C. The reaction mixture was stirred for 3 h at room temperature. The reaction mass was concentrated, ice cold
 10 water was added to the residue, the mixture was stirred for 5 min and filtered to afford 3-bromo-4-methyl-5-nitropyridin-2-ol (5.2 g, 22.32 mmol, 86% yield) as an off-white solid. LCMS retention time 1.082 min [D]. MS m/z : 235 [M+2H]⁺.

Intermediate 1B: 3-bromo-2-chloro-4-methyl-5-nitropyridine



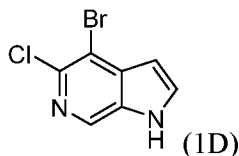
15 To a solution of 3-bromo-4-methyl-5-nitropyridin-2-ol (5.2 g, 22.32 mmol) in acetonitrile (50 mL) were added POCl₃ (20.80 mL, 223 mmol) and DIPEA (3.90 mL, 22.32 mmol) at 0 °C. The reaction mixture was stirred for 3 h at 80 °C. The reaction mass was concentrated, ice cold water and solid NaHCO₃ were added to the residue,
 20 extracted with EtOAc (2 x 50 mL), the organic layer was washed with brine solution, dried over Na₂SO₄, concentrated and purified over 40 g silica column, the compound was eluted in 15% EA in hexane, the fractions were collected and concentrated to afford 3-bromo-2-chloro-4-methyl-5-nitropyridine (0.48 g, 1.909 mmol, 89% yield) as an off-white solid. LCMS retention time 2.619 min [D]. MS m/z : 248.9 [M-2H]⁺.

Intermediate 1C: (E)-2-(3-bromo-2-chloro-5-nitropyridin-4-yl)-N,N-dimethylethen-1-amine



- 5 A solution of 3-bromo-2-chloro-4-methyl-5-nitropyridine (8.7 g, 34.6 mmol) in DMF-DMA (46.3 mL, 346 mmol) was stirred for 16 h at 45 °C. The reaction mass was concentrated under high vacuum, then purified over silica gel column, the compound was eluted in 30% EA in hexanes, the fractions were collected and concentrated to afford (E)-2-(3-bromo-2-chloro-5-nitropyridin-4-yl)-N,N-dimethylethenamine (10.0 g, 32.6 mmol, 94% yield) as a brown solid. LCMS retention time 2.685 min [D]. MS m/z : 306.0 [M+2H]⁺.
- 10

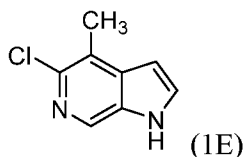
Intermediate 1D: 4-bromo-5-chloro-1H-pyrrolo[2,3-c]pyridine



- 15 To a solution of (E)-2-(3-bromo-2-chloro-5-nitropyridin-4-yl)-N,N-dimethylethenamine (4.2 g, 13.70 mmol) in acetic acid (40 mL) was added iron (3.83 g, 68.5 mmol) at room temperature. The reaction mixture was stirred at 60 °C for 3 h. The reaction mixture was cooled to room temperature, quenched with cold water (80 mL), extracted with DCM (3 X 50 mL), combined organic layers were dried over Na₂SO₄ and concentrated to get crude compound. The crude compound was purified by silica gel column chromatography, the compound was eluted in 0 to 30% EA in hexane, the fractions were collected and concentrated to afford 4-bromo-5-chloro-1H-pyrrolo[2,3-c]pyridine (2.6 g, 11.23 mmol, 82% yield) as light brown solid. LCMS retention time 1.992 min [D]. MS m/z : 233.0 [M+2H]⁺.
- 20

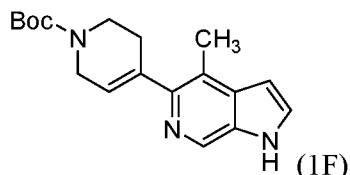
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Intermediate 1E: 5-chloro-4-methyl-1H-pyrrolo[2,3-c]pyridine



To a solution of 4-bromo-5-chloro-1H-pyrrolo[2,3-c]pyridine (2.6 g, 11.23 mmol) and methylboronic acid (2.017 g, 33.7 mmol) in mixture of THF (2 mL) and water (0.2 mL) was added potassium phosphate tribasic (7.15 g, 33.7 mmol). The reaction mixture was purged with nitrogen for 5 mins, then PdCl₂(dppf)-CH₂Cl₂ adduct (0.917 g, 1.123 mmol) was added. The reaction mixture was purged again for 2 mins. The reaction mixture was heated in a sealed tube at 75 °C for 8 h. The reaction mixture was diluted with EtOAc (50 mL), washed with water (30 mL), brine (10 mL), dried (Na₂SO₄) and concentrated to get crude material. The crude material was purified by silica gel chromatography on an ISCO instrument using 24 g silica column, the compound was eluted in 30% EtOAc in hexanes, the fractions were collected and concentrated to afford 5-chloro-4-methyl-1H-pyrrolo[2,3-c]pyridine (1.35 g, 8.10 mmol, 72.1 % yield). LCMS retention time 1.623 min [D]. MS *m/z*: 167.1 [M+H]⁺.

Intermediate 1F: tert-butyl 4-(4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-3,6-dihydropyridine-1(2H)-carboxylate

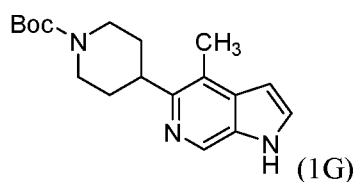


A solution of 5-chloro-4-methyl-1H-pyrrolo[2,3-c]pyridine (1.35 g, 8.10 mmol), tert-butyl 4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-5,6-dihydropyridine-1(2H)-carboxylate (2.76 g, 8.91 mmol) and potassium phosphate tribasic (5.16 g, 24.31 mmol) in mixture of THF (20 mL) and water (2 mL) was degassed for 10 min with nitrogen gas. Next, PdCl₂(dppf)-CH₂Cl₂ adduct (0.638 g, 0.810 mmol) was added and the reaction mixture was stirred at 80 °C for 16 h. The reaction mixture was diluted with EtOAc (50 mL), washed with water (30 mL), brine (10 mL), dried (Na₂SO₄) and concentrated to get crude material. The crude material was purified by silica gel chromatography on an ISCO instrument using 24 g silica column, the compound was eluted in 30% EtOAc in

hexanes, the fractions were collected and concentrated to afford tert-butyl 4-(4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-5,6-dihydropyridine-1(2H)-carboxylate (2.05 g, 6.54 mmol, 81% yield) as an off-white solid. LCMS retention time 2.077 min [D]. MS m/z : 314.2 [M+H]⁺.

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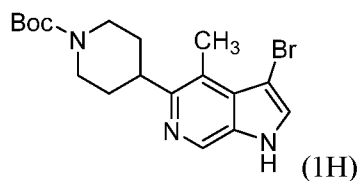
Intermediate 1G: tert-butyl 4-(4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-carboxylate



To a solution of tert-butyl 4-(4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-5,6-dihydropyridine-1(2H)-carboxylate (2.0 g, 6.38 mmol) in MeOH (20 mL) was added Pd/C (0.204 g, 1.915 mmol). The reaction mixture was stirred under hydrogen bladder at room temperature for 16 h. The reaction mass was filtered through celite, washed with MeOH, the filtrates were collected and concentrated to afford tert-butyl 4-(4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-carboxylate (1.9 g, 6.02 mmol, 94% yield) as a white solid. LCMS retention time 2.069 min [D]. MS m/z : 316.2 [M+H]⁺.

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Intermediate 1H: tert-butyl 4-(3-bromo-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-carboxylate

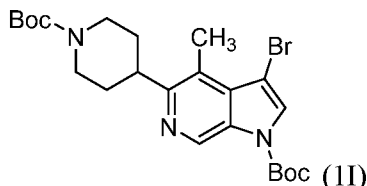


To a solution of tert-butyl 4-(4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-carboxylate (1.8 g, 5.71 mmol) in DMF (20 mL) at 0 °C was added a solution of NBS (1.016 g, 5.71 mmol) in DMF (3 mL). The reaction mixture was stirred at room temperature for 3 h. The reaction mass was concentrated, partitioned between EtOAc and water, the two layers were separated, the organic layer was washed with water, brine solution, dried over Na₂SO₄ and concentrated to afford tert-butyl 4-(3-bromo-4-methyl-

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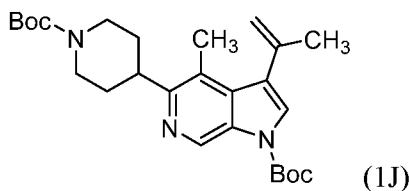
1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-carboxylate (1.8 g, 3.70 mmol, 65% yield) as light brown solid. LCMS retention time 3.077 min [D]. MS m/z : 396.2 [M+2H]⁺.

Intermediate 1I: tert-butyl 3-bromo-5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-methyl-
5 1H-pyrrolo[2,3-c]pyridine-1-carboxylate



To a solution of tert-butyl 4-(3-bromo-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl) piperidine-1-carboxylate (1.8 g, 4.56 mmol) in THF (40 mL) at 0 °C were added TEA (1.273 mL, 9.13 mmol), Boc₂O (1.590 mL, 6.85 mmol) and DMAP (0.279 g, 2.282
10 mmol). The reaction mixture was stirred at room temperature for 6 h. The reaction mass was diluted with EtOAc (50 mL), the organic layer was washed with water and brine solution, dried over Na₂SO₄ and concentrated to get crude compound. The crude compound was purified by silica gel column chromatography, the compound was eluted in 20% EA in hexane, the fractions were collected and concentrated to afford tert-butyl 3-
15 bromo-5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (1.5 g, 3.03 mmol, 66% yield) as an off-white solid. LCMS retention time 2.246 min [D]. MS m/z : 496.2 [M+2H]⁺.

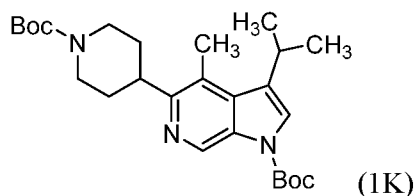
Intermediate 1J: tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-methyl-3-(prop-1-
20 en-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



A solution of tert-butyl 3-bromo-5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (1.4 g, 2.83 mmol), 4,4,5,5-tetramethyl-2-(prop-1-en-2-yl)-1,3,2-dioxaborolane (0.571 g, 3.40 mmol) and potassium phosphate tribasic (1.803 g, 8.49 mmol) in THF (20 mL) and water (2 mL) solvent mixture was
25 degassed for 10 min with nitrogen. Next, 2nd generation XPhos precatalyst (0.223 g,

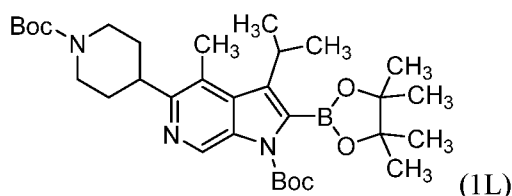
0.283 mmol) was added and the reaction mixture was stirred at 80 °C for 16 h. The reaction mixture was diluted with EtOAc (50 mL), washed with water (30 mL), brine (10 mL), dried (Na₂SO₄) and concentrated to get crude material. The crude material was purified by silica gel chromatography on an ISCO instrument using 24 g silica column, the compound was eluted in 25% EtOAc in hexanes, the fractions were collected and concentrated to afford tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-methyl-3-(prop-1-en-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (1.05 g, 2.305 mmol, 81% yield) as an off-white solid. LCMS retention time 0.81 min [D] MS *m/z*: 456.2 [M+H]⁺.

Intermediate 1K: tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



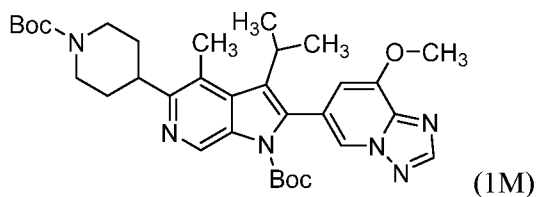
To a solution of tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-methyl-3-(prop-1-en-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (1.05 g, 2.305 mmol) in ethyl acetate (30 mL) was added Pd/C (0.123 g, 1.152 mmol). The reaction mixture was stirred under hydrogen bladder for 2 h. The reaction mass was filtered through celite, washed with MeOH, the filtrate was collected and concentrated to get crude compound. The crude was purified by silica gel column chromatography, the compound was eluted in 10% EA in hexane, the fractions were collected and concentrated to afford tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (0.65 g, 1.419 mmol, 61.6 % yield) as a gummy solid. LCMS retention time 4.761 min [D]. MS *m/z*: 458.2 [M+H]⁺.

Intermediate 1L: tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-3-isopropyl-4-methyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



To a solution of tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (0.5 g, 1.093 mmol) in THF (12 mL) was added LDA (2.185 mL, 4.37 mmol) at -78 °C. The reaction mixture was stirred at the same temperature for 1.5 h, then 2-isopropoxy-4,4,5,5-tetramethyl-1,3,2-dioxaborolane (0.892 mL, 4.37 mmol) was added. The reaction mixture was stirred for 1 h at -50 °C. The reaction was quenched with aqueous NH₄Cl. The reaction mixture was extracted with EtOAc, washed with water, brine, dried over Na₂SO₄ and concentrated to get crude compound. The crude was purified by silica gel column chromatography, the compound was eluted in 40% EA in hexane, the fractions were collected and concentrated to afford tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-3-isopropyl-4-methyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (0.4 g, 0.685 mmol, 62.7 % yield) as a semi solid. LCMS retention time 1.48 min [G]. MS *m/z*: 584.5 [M+H]⁺.

Intermediate 1M: tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



A solution of tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-3-isopropyl-4-methyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (0.4 g, 0.685 mmol), 6-bromo-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (0.172 g, 0.754 mmol) and potassium phosphate tribasic (0.436 g, 2.056 mmol) in 1,4-dioxane (8 mL) and water (1 mL) solvent mixture was degassed for 10 min with nitrogen. Next, PdCl₂(dppf)-CH₂Cl₂ adduct (0.056 g, 0.069 mmol) was added and the reaction

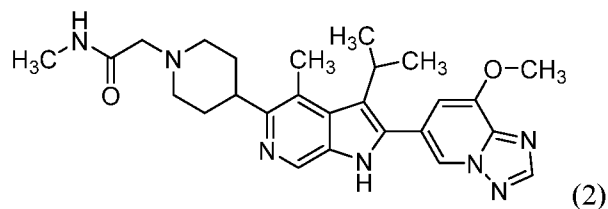
mixture was stirred at 90 °C for 8 h. The reaction mixture was diluted with EtOAc (50 mL), washed with water (30 mL), brine (10 mL), dried (Na₂SO₄) and concentrated to get crude material. The crude material was purified by silica gel chromatography on an ISCO instrument using 24 g silica column, compound was eluted in 60% EtOAc in hexanes, the fractions were collected and concentrated to afford tert-butyl 5-(1-(tert-butoxycarbonyl) piperidin-4-yl)-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (0.3 g, 0.496 mmol, 72% yield) as an off-white solid. LCMS retention time 2.779 min [D]. MS *m/z*: 605.4 [M+H]⁺.

Example 1:

To a stirred solution of tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (0.3 g, 0.496 mmol) in DCM (1 mL) was added 4 M HCl in dioxane (1.240 mL, 4.96 mmol) at 0 °C. The reaction mixture was stirred at room temperature for 2 h and then concentrated to get crude compound. The crude compound was purified by preparative LCMS using method D2, fractions containing the product were combined and dried using Genevac centrifugal evaporator to afford 6-(3-isopropyl-4-methyl-5-(piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a] pyridine (0.18 g, 0.445 mmol, 90% yield). LCMS retention time 1.356 min [P]. MS *m/z*: 405.1 [M+H]⁺; ¹H NMR (400 MHz, DMSO-*d*₆) δ ppm 11.58 (br. s., 1 H) 8.69 (d, *J*=1.22 Hz, 1 H) 8.45-8.58 (m, 2 H) 7.14 (d, *J*=0.98 Hz, 1 H) 4.04 (s, 3 H) 3.58-3.68 (m, 1 H) 3.10-3.20 (m, 2 H) 2.79 (t, *J*=11.74 Hz, 1 H) 2.68 (s, 3 H) 1.87-1.98 (m, 2 H) 1.82 (s, 3 H) 1.65 (d, *J*=11.49 Hz, 2 H) 1.21-1.35 (m, 6 H).

EXAMPLE 2

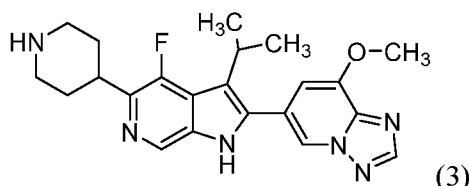
2-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-N-methylacetamide



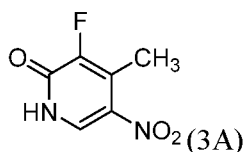
To a solution of 6-(3-isopropyl-4-methyl-5-(piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (20 mg, 0.049 mmol) and 2-chloro-N-methylacetamide (7.98 mg, 0.074 mmol) in DMF (0.5 mL) and THF (1 mL) solvent mixture was added TEA (0.021 mL, 0.148 mmol) at room temperature. The reaction mixture was stirred for 16 h. The reaction mass was concentrated to get crude compound. The crude compound was purified by preparative LCMS using method D2, fractions containing the product were combined and dried using Genevac centrifugal evaporator to afford 2-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-N-methylacetamide (9.1 mg, 0.018 mmol, 36.8 % yield). LCMS retention time 1.632 min [P]. MS m/z : 476.1 [M+H]⁺; ¹H NMR (400 MHz, DMSO-*d*₆) δ ppm 11.52 (s, 1 H) 8.69 (d, J =1.22 Hz, 1 H) 8.54 (s, 1 H) 8.50 (s, 1 H) 7.69 (d, J =3.67 Hz, 1 H) 7.14 (s, 1 H) 4.04 (s, 3 H) 3.57-3.66 (m, 1 H) 3.17 (d, J =4.16 Hz, 1 H) 2.87-2.94 (m, 3 H) 2.63-2.69 (m, 4 H) 2.18-2.27 (m, 2 H) 2.02-2.14 (m, 2 H) 1.91 (s, 3 H) 1.62 (d, J =11.98 Hz, 2 H) 1.28 (d, J =7.09 Hz, 6 H).

EXAMPLE 3

6-(4-fluoro-3-isopropyl-5-(piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine



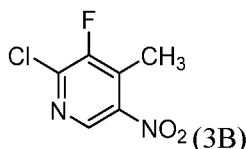
Intermediate 3A: 3-fluoro-4-methyl-5-nitropyridin-2(1H)-one



To a solution of 4-methyl-5-nitropyridin-2(1H)-one (30 g, 195 mmol) in a mixture of acetonitrile (300 mL) and water (30 mL) was added Selectfluor (76 g, 214 mmol) at room temperature. The reaction mixture was stirred at 65 °C for 48 h. The reaction mass was partitioned between water and EtOAc, the organic layer was washed with water and brine, dried over Na₂SO₄ and concentrated to afford 3-fluoro-4-methyl-5-nitropyridin-

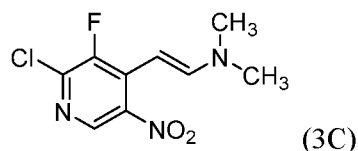
2(1H)-one (32.1 g, 121 mmol, 62% yield) as a gummy solid. LCMS retention time 2.075 min [D]. MS m/z : 171.0 [M-H]⁺.

Intermediate 3B: 2-chloro-3-fluoro-4-methyl-5-nitropyridine



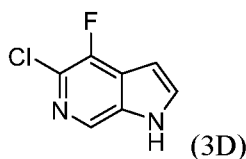
2-chloro-3-fluoro-4-methyl-5-nitropyridine (8 g, 42.0 mmol, 70% yield) was prepared according to the general procedure described in Intermediate 1B using 3-fluoro-4-methyl-5-nitropyridin-2-ol (19.1, 59.9 mmol) as the starting intermediate. LCMS retention time 2.399 min [D]. MS m/z : 189.1 [M-H]⁺.

Intermediate 3C: (E)-2-(2-chloro-3-fluoro-5-nitropyridin-4-yl)-N,N-dimethylethen-1-amine



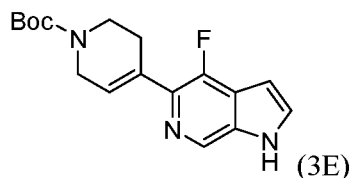
(E)-2-(2-chloro-3-fluoro-5-nitropyridin-4-yl)-N,N-dimethylethenamine (6.5 g, 26.5 mmol, 70.0 % yield) was prepared according to the general procedure described in Intermediate 1C using 2-chloro-3-fluoro-4-methyl-5-nitropyridine (7.2 g, 37.8 mmol) as the starting intermediate. LCMS retention time 2.634 min [D]. MS m/z : 246.0 [M+H]⁺.

Intermediate 3D: 5-chloro-4-fluoro-1H-pyrrolo[2,3-c]pyridine



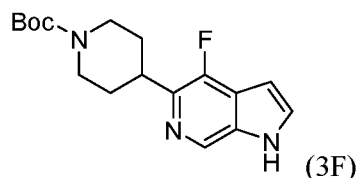
5-chloro-4-fluoro-1H-pyrrolo[2,3-c]pyridine (4.8 g, 28.1 mmol, 93% yield) was prepared according to the general procedure described in Intermediate 1D using (E)-2-(2-chloro-3-fluoro-5-nitropyridin-4-yl)-N,N-dimethylethenamine (7.4 g, 30.1 mmol) as the starting intermediate. LCMS retention time 1.658 min [D]. MS m/z : 171.0 [M+H]⁺.

Intermediate 3E: tert-butyl 4-(4-fluoro-1H-pyrrolo[2,3-c]pyridin-5-yl)-3,6-dihydropyridine-1(2H)-carboxylate



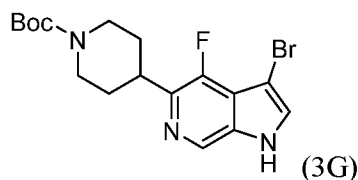
tert-butyl 4-(4-fluoro-1H-pyrrolo[2,3-c]pyridin-5-yl)-5,6-dihydropyridine-1(2H)-carboxylate (6.1 g, 19.22 mmol, 72.9 % yield) was prepared according to the general procedure described in Intermediate 1F using 5-chloro-4-fluoro-1H-pyrrolo[2,3-c]pyridine (4.5 g, 26.4 mmol) as the starting intermediate. LCMS retention time 2.582 min [D]. MS m/z : 318.2 [M+H]⁺.

Intermediate 3F: tert-butyl 4-(4-fluoro-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-carboxylate



tert-butyl 4-(4-fluoro-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-carboxylate (5.75 g, 18.00 mmol, 94% yield) was prepared according to the general procedure described in Intermediate 1G using tert-butyl 4-(4-fluoro-1H-pyrrolo[2,3-c]pyridin-5-yl)-5,6-dihydropyridine-1(2H)-carboxylate (6.1 g, 19.22 mmol) as the starting intermediate. LCMS retention time 2.647 min [D]. MS m/z : 320.2 [M+H]⁺.

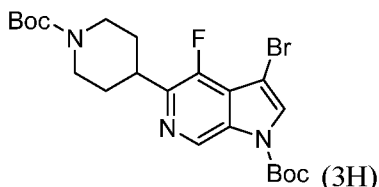
Intermediate 3G: tert-butyl 4-(3-bromo-4-fluoro-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-carboxylate



tert-butyl 4-(3-bromo-4-fluoro-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-carboxylate (7.1 g, 17.83 mmol, 99 % yield) was prepared according to the general

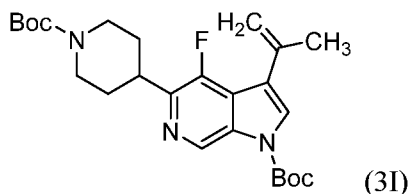
procedure described in Intermediate 1H using tert-butyl 4-(4-fluoro-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-carboxylate (5.75 g, 18.00 mmol) as the starting intermediate. LCMS retention time 3.067 min [D]. MS m/z : 400.2 $[M+2H]^+$.

- 5 Intermediate 3H: tert-butyl 3-bromo-5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-fluoro-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



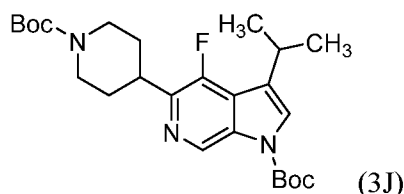
- tert-butyl 3-bromo-5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-fluoro-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (6.7 g, 13.44 mmol, 75% yield) was prepared according to the general procedure described in Intermediate 1I using tert-butyl 4-(3-bromo-4-fluoro-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-carboxylate (7.1 g, 17.83 mmol) as the starting intermediate. LCMS retention time 1.894 min [D]. MS m/z : 500.0 $[M+2H]^+$.
- 10

- 15 Intermediate 3I: tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-fluoro-3-(prop-1-en-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



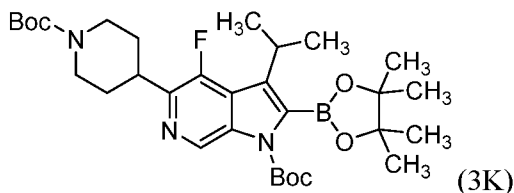
- tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-fluoro-3-(prop-1-en-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (5.7 g, 12.40 mmol, 92% yield) was prepared according to the general procedure described in Intermediate 1J using tert-butyl 3-bromo-5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-fluoro-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (6.7 g, 13.44 mmol) as the starting intermediate. LCMS retention time 4.576 min [D]. MS m/z : 460.2 $[M+H]^+$.
- 20

- 25 Intermediate 3J: tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



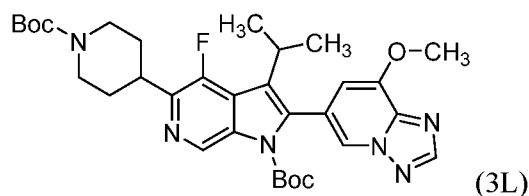
tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (4.6 g, 9.97 mmol, 80% yield) was prepared according to the general procedure described in Intermediate 1K using tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-fluoro-3-(prop-1-en-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (5.7 g, 12.40 mmol) as the starting intermediate. LCMS retention time 1.602 min [D]. MS m/z : 462.2 [M+H]⁺.

Intermediate 3K: tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-fluoro-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-fluoro-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (2.42 g, 3.87 mmol, 74.5 % yield) was prepared according to the general procedure described in Intermediate 1L using tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (2.4 g, 5.20 mmol) as the starting intermediate. LCMS retention time 2.358 min [D]. MS m/z : 588.2 [M+H]⁺.

Intermediate 3L: tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



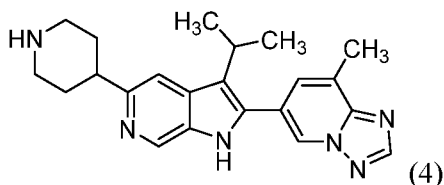
tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4] triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (0.42 g, 0.661 mmol, 48.5 % yield) was prepared according to the general procedure described in Intermediate 1M using tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-fluoro-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (0.8 g, 1.362 mmol) as the starting intermediate. LCMS retention time 3.396 min [D]. MS m/z : 609.3 [M+H]⁺.

Example 3:

6-(4-fluoro-3-isopropyl-5-(piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4] triazolo[1,5-a]pyridine (0.26 g, 0.637 mmol, 92% yield) was prepared according to the general procedure described in Example 1 using tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (0.42 g, 0.690 mmol) as the starting intermediate. LCMS retention time 1.086 min [P]. MS m/z : 409.3 [M+H]⁺; ¹H NMR (400 MHz, DMSO-d₆) δ ppm 12.01 (bs, 1 H) 8.69 (d, J =1.0 Hz, 1H), 8.56 (d, J =2.4 Hz, 1H), 8.55 (s, 1H), 7.17 (s, 1H), 4.07 (s, 3H), 3.19-3.09 (m, 3H), 2.78 (t, J =11.2 Hz, 2H), 1.92 (d, J =8.8 Hz, 2H), 1.86 (s, 3H), 1.72 (d, J =12.7 Hz, 2H), 1.35 (d, J =6.8 Hz, 6H).

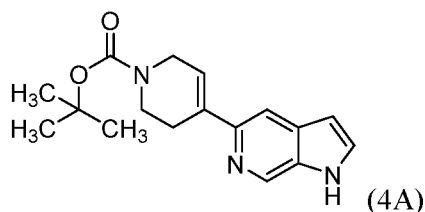
EXAMPLE 4

6-(3-isopropyl-5-(piperidin-4-yl)-1h-pyrrolo[2,3-c]pyridin-2-yl)-8-methyl-[1,2,4]triazolo[1,5-a]pyridine



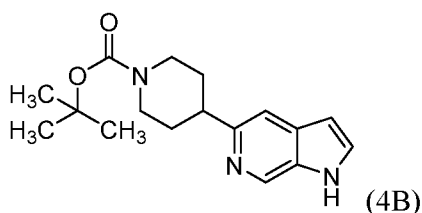
Intermediate 4A: tert-butyl 4-(1H-pyrrolo[2,3-c]pyridin-5-yl)-5,6-dihydropyridine-1(2H)-

carboxylate



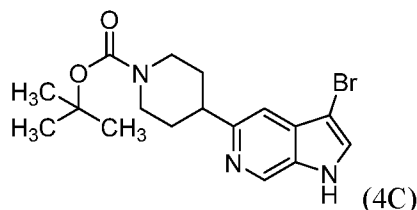
To a solution of 5-bromo-1H-pyrrolo[2,3-c]pyridine (3.2 g, 16.24 mmol) in dioxane (60 mL) and water (20.00 mL) solvent mixture were added tert-butyl 4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-5,6-dihydropyridine-1(2H)-carboxylate (5.02 g, 16.24 mmol) and potassium phosphate tribasic (10.34 g, 48.7 mmol). The reaction mixture was degassed with nitrogen for 5 min., PdCl₂(dppf)-CH₂Cl₂ adduct (1.326 g, 1.624 mmol) was added, and the reaction mixture was stirred in a sealed tube at 90 °C for 3 h. The reaction mass was concentrated, then the residue was diluted with EtOAc (20 mL), the solids were filtered, the filtrate was collected and concentrated to get crude compound. The crude compound was purified by silica gel chromatography on an ISCO instrument using 40 g silica column, the compound was eluted in 15% EA in hexanes, the fractions were collected and concentrated to afford tert-butyl 4-(1H-pyrrolo[2,3-c]pyridin-5-yl)-5,6-dihydropyridine-1(2H)-carboxylate (2.5 g, 8.35 mmol, 51% yield) as a pale brown solid. LCMS retention time 0.95 min [L] MS *m/z*: 300.2 [M+H]⁺.

Intermediate 4B: tert-butyl 4-(1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-carboxylate



To a solution of tert-butyl 4-(1H-pyrrolo[2,3-c]pyridin-5-yl)-5,6-dihydropyridine-1(2H)-carboxylate (3.2 g, 10.69 mmol) in MeOH (20 mL) and EtOAc (20 mL) solvent mixture was added Pd/C (1.138 g, 10.69 mmol). The reaction mixture was stirred at room temperature for 3 h under hydrogen. The reaction mass was filtered through celite, washed with EtOAc (2 X 50 mL) and concentrated to afford tert-butyl 4-(1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-carboxylate (2.5 g, 8.30 mmol, 78 % yield) as an off-white solid. LCMS retention time 0.88min [D] MS *m/z*: 302.2 [M+H]⁺.

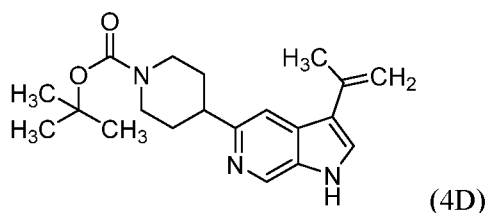
Intermediate 4C: tert-butyl 4-(3-bromo-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-carboxylate



5 To a solution of tert-butyl 4-(1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-carboxylate (300 mg, 0.995 mmol) in DMF (5 mL) was added NBS (142 mg, 0.796 mmol) at 0 °C. The reaction mixture was stirred at same temperature for 1 h. The reaction was quenched with ice (50 g). The reaction mixture was extracted with EtOAc (3 X 50 mL), the combined organic layer was concentrated to get crude compound. The
10 crude was purified by silica gel chromatography on an ISCO instrument using 24 g silica column, the compound was eluted in 10% EA in hexanes, the fractions were collected and concentrated to afford tert-butyl 4-(3-bromo-1H-pyrrolo[2,3-c]pyridin-5-yl) piperidine-1-carboxylate (300 mg, 0.789 mmol, 79 % yield) as an off-white solid. LCMS retention time 1.31min [G] MS m/z : 382.1 [M+2H]⁺.

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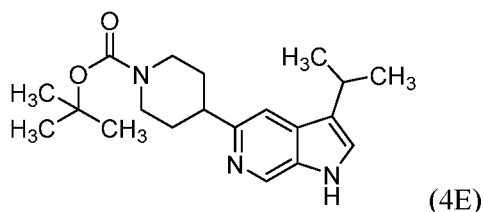
Intermediate 4D: tert-butyl 4-(3-(prop-1-en-2-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-carboxylate



tert-butyl 3-(3-isopropyl-1H-indol-5-yl)azetidine-1-carboxylate (700 mg, 1.759
20 mmol, 33.4 % yield) was prepared according to the general procedure described in Intermediate 4A using tert-butyl 4-(3-bromo-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-carboxylate (2.5 g, 6.57 mmol) as the starting intermediate. LCMS retention time 0.51 min [D] MS m/z : 340.8 [M+H]⁺.

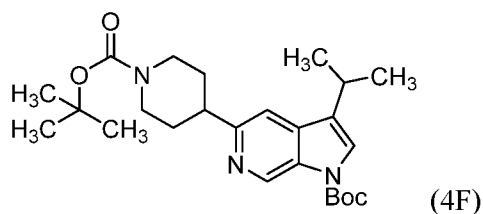
25 Intermediate 4E: tert-butyl 4-(3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-

carboxylate



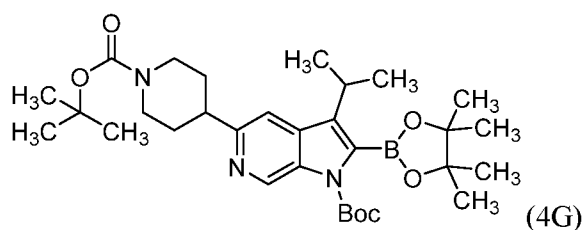
tert-butyl 4-(3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-carboxylate (1.8 g, 2.52 mmol, 48% yield) was prepared according to the general procedure described in Intermediate 4B using tert-butyl 4-(3-(prop-1-en-2-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-carboxylate (1.9 g, 5.56 mmol) as the starting intermediate. LCMS retention time 0.80 min [D]. MS m/z : 344.2 [M+H]⁺.

Intermediate 4F: tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



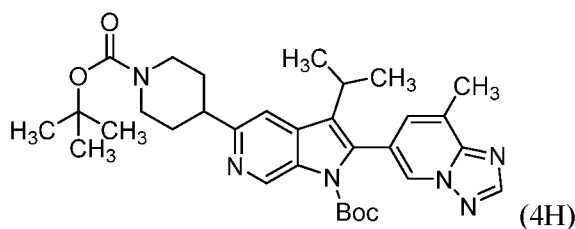
To a solution of tert-butyl 4-(3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidine-1-carboxylate (1.9 g, 5.53 mmol) in DCM (10 mL) were added Boc₂O (1.670 mL, 7.19 mmol) and DMAP (10.14 g, 83 mmol) at room temperature. The reaction mixture was stirred at same temperature for 12 h. The reaction mass was concentrated to get crude compound. The crude compound was purified by silica gel chromatography on an ISCO instrument using 12 g silica column, the compound was eluted in 35% EA in hexanes, the fractions were collected and concentrated to afford tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (1.2 g, 2.71 mmol, 49 % yield) as an off-white solid. LCMS retention time 1.99 min [D] MS m/z : 444.4 [M+H]⁺.

Intermediate 4G: tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



To a solution of tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (550 mg, 1.240 mmol) in THF (3 mL) was added LDA (2.480 mL, 4.96 mmol) at -78 °C. The reaction mixture was stirred at the same temperature for 1.5 h. Next, 2-isopropoxy-4,4,5,5-tetramethyl-1,3,2-dioxaborolane (0.769 mL, 3.72 mmol) was added and the reaction mixture was stirred at -45 °C for 2 h. The reaction was quenched with ammonia chloride (20 mL). The reaction mixture was separated, the organic layers were concentrated to get crude compound. The crude compound was purified by silica gel chromatography on an ISCO instrument using 24 g silica column, the compound was eluted in 25% EA in hexanes, the fractions were collected and concentrated to afford tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (320 mg, 0.562 mmol, 45% yield). LCMS retention time 1.03 min [D]. MS m/z : 514.4 $[M+H-tBu]^+$.

Intermediate 4H: tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



To a solution of tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (300 mg, 0.527 mmol) in dioxane (18 mL) and water (6.00 mL) solvent mixture were added 6-bromo-8-methyl-[1,2,4]triazolo[1,5-a]pyridine (335 mg, 1.580 mmol) and potassium phosphate tribasic (335 mg, 1.580 mmol). The reaction mixture was degassed with nitrogen for 5 min, potassium phosphate tribasic (335 mg, 1.580 mmol) was added,

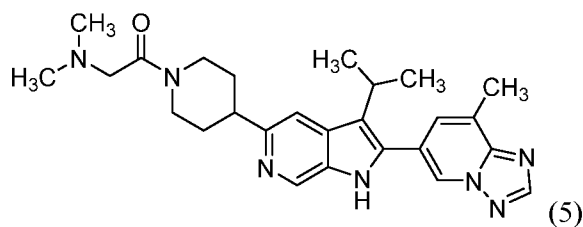
and the reaction mixture was stirred in a sealed tube at 90 °C for 3 h. The reaction mass was concentrated, the residue was dissolved in EtOAc (50 mL), the solid was filtered and washed with EtOAc (2 X 30 mL), the combined filtrates were collected and concentrated to get crude compound. The crude compound was purified by silica gel chromatography on an ISCO instrument using 24 g silica column, the compound was eluted in 35% EA in hexanes, the fractions were collected and concentrated to afford tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (150 mg, 0.261 mmol, 49.5 % yield) as an off-white solid. LCMS retention time 1.16 min [D] MS *m/z*: 575.3 [M+H]⁺.

Example 4:

To a solution of tert-butyl 5-(1-(tert-butoxycarbonyl)piperidin-4-yl)-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (31 mg, 0.054 mmol) in DCM (2 mL) was added 4 M HCl in dioxane (1 mL, 4.00 mmol). The mixture was stirred at room temperature for 3 h. The reaction mass was concentrated and the residue was triturated with diethyl ether (2 X 10 mL), and dried under vacuum to afford 6-(3-isopropyl-5-(piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methyl-[1,2,4]triazolo[1,5-a]pyridine (2.1 mg, 5.61 μmol, 10% yield) as a white solid. LCMS retention time 1.209 min [G], MS *m/z*: 375.2 [M+H]⁺, ¹H NMR (400 MHz, METHANOL-*d*₄) δ ppm 8.85 (s, 1 H), 8.69 (s, 1 H), 8.52 (s, 1 H), 7.70 (s, 2 H), 3.44-3.61 (m, 3 H), 3.38 (br. s., 1 H), 3.05-3.27 (m, 3 H), 2.75 (s, 3 H), 2.03-2.27 (m, 4 H), 1.94 (s, 3 H), 1.53 (d, *J*=6.85 Hz, 5 H).

EXAMPLE 5

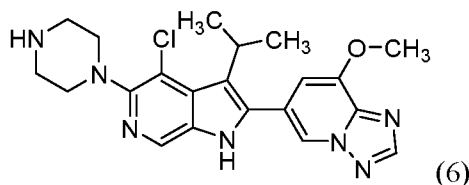
2-(dimethylamino)-1-(4-(3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a] pyridine-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)ethan-1-one



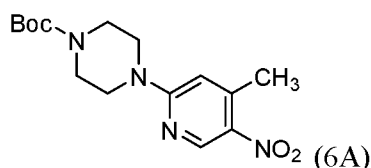
To a solution of 6-(3-isopropyl-5-(piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methyl-[1,2,4]triazolo[1,5-a]pyridine (25 mg, 0.067 mmol) in DMF (1 mL) were added triethylamine (0.028 mL, 0.200 mmol), 2-(dimethylamino)acetic acid (13.77 mg, 0.134 mmol) and HATU (76 mg, 0.200 mmol) at 0 °C. The reaction mixture was stirred at room temperature for 3 h. The reaction mass was purified by preparative LCMS method D2, the fractions containing the product were combined and dried using Genevac centrifugal evaporator to afford 2-(dimethylamino)-1-(4-(3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl) piperidin-1-yl)ethanone (11 mg, 0.024 mmol, 35.9 % yield) as a pale solid. LCMS retention time 1.346 min [E]. MS m/z : 460.3 [M+H]⁺; ¹H NMR (400 MHz, DMSO-*d*₆) δ ppm 11.62 (s, 1 H), 8.90 (s, 1 H), 8.65 (s, 1 H), 8.55 (s, 1 H), 7.62 (s, 1 H), 7.53 (s, 1 H), 4.52-4.48 (m, 1 H), 4.16-4.11 (m, 1 H), 3.26-3.12 (m, 3 H), 3.04-2.96 (m, 2 H), 2.67-2.64 (m, 1 H), 2.63 (s, 3 H), 2.25 (s, 6 H), 1.90-1.85 (m, 2 H), 1.82-1.75 (m, 1 H), 1.66-1.62 (m, 1 H), 1.41 (d, $J=6.85$ Hz, 6 H).

EXAMPLE 6

6-(4-chloro-3-isopropyl-5-(piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine



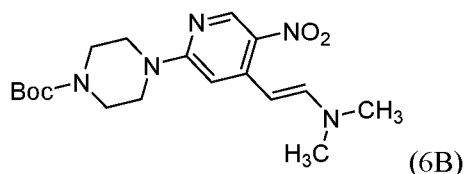
Intermediate 6A: tert-butyl 4-(4-methyl-5-nitropyridin-2-yl)piperazine-1-carboxylate



To a solution of 2-bromo-4-methyl-5-nitropyridine (10 g, 46.1 mmol) in acetonitrile (50 mL) were added tert-butyl piperazine-1-carboxylate (8.58 g, 46.1 mmol) and DIPEA (12.07 mL, 69.1 mmol) at room temperature. The reaction mixture was stirred at 60 °C for 4 h. The solids were filtered, washed with acetonitrile (50 mL) and dried under vacuum to afford tert-butyl 4-(4-methyl-5-nitropyridin-2-yl)piperazine-1-

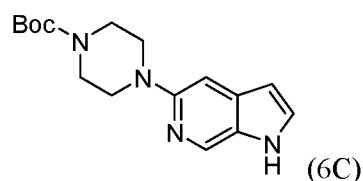
carboxylate (10 g, 19.85 mmol, 43% yield) as a white solid. LCMS retention time 1.39 min [G]. MS m/z : 323.5 $[M+H]^+$.

Intermediate 6B: tert-butyl(E)-4-(4-(2-(dimethylamino)vinyl)-5-nitropyridin-2-yl) piperazine-1-carboxylate.



To a solution tert-butyl 4-(4-methyl-5-nitropyridin-2-yl)piperazine-1-carboxylate (24 g, 74.5 mmol) in DMF (70 mL) was added 1,1-dimethoxy-N,N-dimethylmethanamine (49.8 mL, 372 mmol). The reaction mixture was stirred at 90 °C for 24 h. The reaction mass was concentrated, the residue was dissolved in DCM (250 mL), washed with water (2 X 50 mL), brine (20 mL), dried (Na_2SO_4) and concentrated to afford (E)-tert-butyl 4-(4-(2-(dimethylamino)vinyl)-5-nitropyridin-2-yl)piperazine-1-carboxylate (12 g, 20.03 mmol, 27% yield) as an oil. LCMS retention time 1.39 min [L] MS m/z : 378.5 $[M+H]^+$.

Intermediate 6C: tert-butyl(E)-4-(4-(2-(dimethylamino)vinyl)-5-nitropyridin-2-yl) piperazine-1-carboxylate

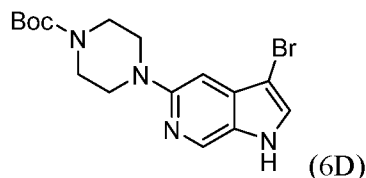


To a solution tert-butyl (E)-tert-butyl 4-(4-(2-(dimethylamino)vinyl)-5-nitropyridin-2-yl)piperazine-1-carboxylate (15 g, 39.7 mmol) in MeOH (150 mL) was added Pd/C (1.5 g, 14.10 mmol). The reaction mixture was stirred at 60 psi under hydrogen in an autoclave for 12 h. The Pd/C was filtered through celite, washed with EtOAc (2 X 50 mL), the filtrates were collected and concentrated to afford tert-butyl 4-(1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (6.5 g, 16.34 mmol, 41.1 % yield) as an off-white solid. LCMS retention time 2.10 min [L] MS m/z : 303.2 $[M+H]^+$.

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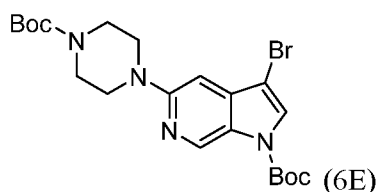
Intermediate 6D: tert-butyl 4-(3-bromo-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-

carboxylate



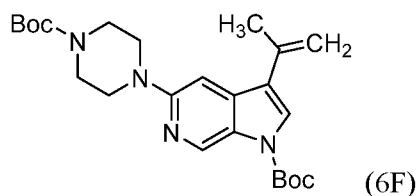
tert-butyl 4-(3-bromo-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (6.5 g, 15.00 mmol, 76 % yield) was prepared according to the general procedure described in
 5 Intermediate 4C using tert-butyl 4-(1H-pyrrolo[2,3-c]pyridin-5-yl) piperazine-1-carboxylate (6 g, 19.84 mmol) as the starting intermediate. LCMS retention time 0.98 min [G]. MS m/z : 382.9 [M+H]⁺.

Intermediate 6E: tert-butyl 3-bromo-5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate
 10



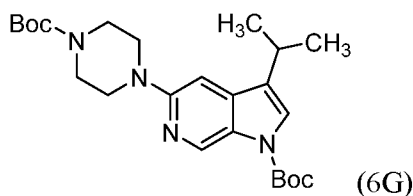
To a solution of tert-butyl 4-(3-bromo-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (1.1 g, 2.89 mmol) in THF (20 mL) were added triethylamine (1.206 mL, 8.66 mmol), Boc₂O (0.804 mL, 3.46 mmol) and DMAP (7.05 mg, 0.058 mmol) at room
 15 temperature. The reaction mixture was stirred at same temperature for 12 h. The reaction mass was concentrated to get the crude compound. The crude compound was purified by silica gel chromatography on an ISCO instrument using 24 g silica column, the compound was eluted in 35% EA in hexanes, the fractions were collected and concentrated to afford
 20 tert-butyl 3-bromo-5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (900 mg, 1.458 mmol, 50% yield) as a gummy solid. LCMS retention time 1.88 min [G] MS m/z : 483.3 [M+H]⁺.

Intermediate 6F: tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-3-(prop-1-en-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate.



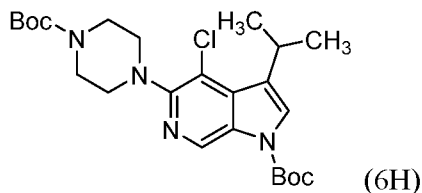
tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-3-(prop-1-en-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (450 mg, 0.590 mmol, 29% yield) was prepared according to the general procedure described in Intermediate 4D using tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (900 mg, 2.024 mmol) as the starting intermediate. LCMS retention time 1.88 min [L] MS m/z : 443.5 [M+H]⁺.

Intermediate 6G: tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



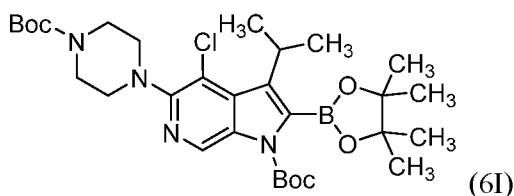
tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (310 mg, 0.572 mmol, 56% yield) was prepared according to the general procedure described in Intermediate 4E using tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-3-(prop-1-en-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (450 mg, 1.017 mmol) as the starting intermediate. LCMS retention time 1.92 min [L] MS m/z : 445.5 [M+H]⁺.

Intermediate 6H: tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-4-chloro-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



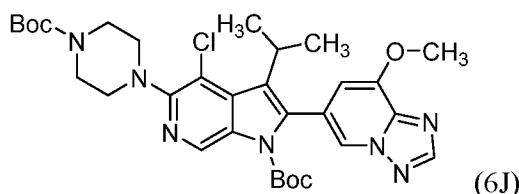
To a solution of tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (1 g, 2.249 mmol) in DCE (10 mL) was added NCS (0.751 g, 5.62 mmol) at room temperature. The reaction mixture was stirred at room temperature for 12 h. The reaction was quenched with water. The reaction mixture
 5 was extracted with DCM, the organic layer was concentrated to get crude compound. The crude compound was purified by silica gel chromatography on an ISCO instrument using 24 g silica column, the compound was eluted in 20% EA in hexanes, the fractions were collected and concentrated to afford tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-4-chloro-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (150 mg, 0.307
 10 mmol, 13% yield) as an off-white solid. LCMS retention time 3.487 min [G], MS m/z : 479.2 $[M+H]^+$.

Intermediate 6I: tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-4-chloro-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-
 15 carboxylate



tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-4-chloro-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (158 mg, 0.243 mmol, 68.4 % yield) was prepared according to the general procedure
 20 described in Intermediate 1L using tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-4-chloro-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (170 mg, 0.355 mmol) as the starting intermediate. LCMS retention time 3.328 min [G], MS m/z : 605.4 $[M+H]^+$.

Intermediate 6J: tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-4-chloro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-
 25 carboxylate



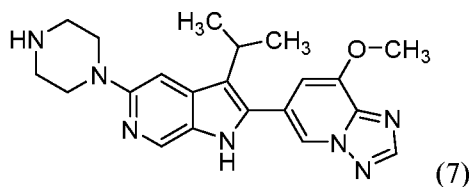
tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-4-chloro-3-isopropyl-2-(8-methoxy-[1,2,4] triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (180 mg, 0.207 mmol, 62.6 % yield) was prepared according to the general procedure described in Intermediate 1M using tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-4-chloro-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (200 mg, 0.331 mmol) as the starting intermediate. LCMS retention time 1.96 min [D], MS m/z : 628.2 [M+H]⁺.

Example 6:

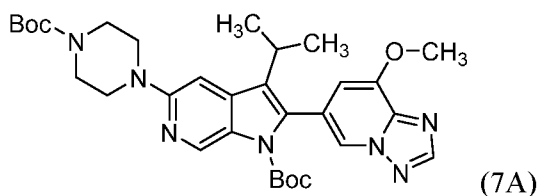
6-(4-chloro-3-isopropyl-5-(piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4] triazolo[1,5-a]pyridine (140 mg, 0.329 mmol, 86 % yield) was prepared according to the general procedure described in Example 4 using tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-4-chloro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (240 mg, 0.383 mmol) in HCl (3 mL, 12.00 mmol) as the starting intermediate. LCMS retention time 1.329 min [E], MS m/z : 426.2 [M+H]⁺; ¹H NMR (400 MHz, DMSO-d₆) δ ppm 8.71 (d, J =1.2 Hz, 1H), 8.54 (s, 1H), 8.45 (s, 1H), 7.15 (s, 1H), 4.04 (s, 3H), 3.06 (d, J =5.1 Hz, 4H), 2.99-2.91 (m, 4H), 1.87 (s, 2H), 1.33 (d, J =7.3 Hz, 6H).

EXAMPLE 7

6-(3-isopropyl-5-(piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo [1,5-a]pyridine



Intermediate 7A: tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



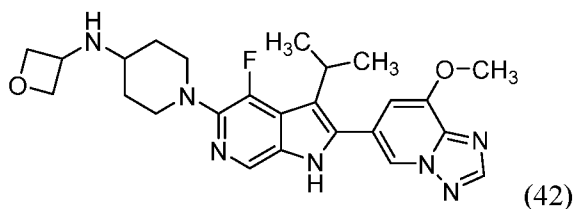
To a solution of tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-4-chloro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (100 mg, 0.160 mmol) in MeOH (5 mL) was added Pd/C (17.00 mg, 0.160 mmol). The mixture was stirred at room temperature under hydrogen bladder for 3 h. The reaction mass was filtered, washed with EtOAc (2 X 50 mL) and concentrated to afford tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (65 mg, 0.019 mmol, 11% yield) as a pale solid. LCMS retention time 1.64 min [D] MS m/z : 592.6 [M+H]⁺.

Example 7:

6-(3-isopropyl-5-(piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (0.7 mg, 1.788 μ mol, 2% yield) was prepared according to the general procedure described in Example 4 using tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (65 mg, 0.110 mmol) as the starting intermediate. LCMS retention time 1.18 min [F], MS m/z : 392.1 [M+H]⁺; ¹H NMR (400MHz, DMSO-d₆) δ ppm 11.30 (s, 1H), 8.64 (s, 1H), 8.53 (s, 1H), 8.42 (s, 1H), 7.17 (s, 1H), 6.90 (s, 1H), 4.07 (s, 3H), 2.90 (br. s., 4H), 1.90 (s, 2H), 1.42 (d, $J=7.1$ Hz, 6H).

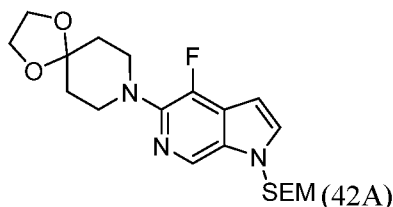
EXAMPLE 42

1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(oxetan-3-yl)piperidin-4-amine



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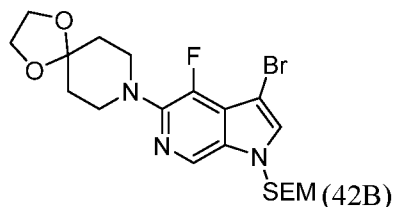
Intermediate 42A: 8-(4-fluoro-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-1,4-dioxo-8-azaspiro[4.5]decane



8-(4-fluoro-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-1,4-dioxo-8-azaspiro[4.5]decane (3.7 g, 9.08 mmol, 68.3 % yield) was prepared as described in the preparation of Intermediate 213B using 5-chloro-4-fluoro-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridine (4.0 g, 13.30 mmol) and 1,4-dioxo-8-azaspiro[4.5]decane (2.86 g, 19.94 mmol) as the starting intermediates. LCMS retention time 3.410 min [D]. MS (E^-) m/z : 408.2 (M+H).

10

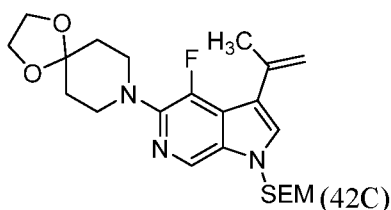
Intermediate 42B: 8-(3-bromo-4-fluoro-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-1,4-dioxo-8-azaspiro[4.5]decane



8-(3-bromo-4-fluoro-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-1,4-dioxo-8-azaspiro[4.5]decane (5.01 g, 10.30 mmol, 87 % yield) was prepared as described in the preparation of Intermediate 213C using 8-(4-fluoro-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-1,4-dioxo-8-azaspiro[4.5]decane (4.8 g, 11.78 mmol) as the starting intermediate. LCMS retention time 1.77 min [L]. MS (E^-) m/z : 488.8 (M+2H).

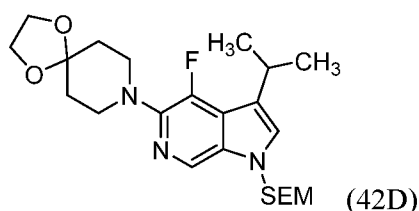
20

Intermediate 42C: 8-(4-fluoro-3-(prop-1-en-2-yl)-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-1,4-dioxo-8-azaspiro[4.5]decane



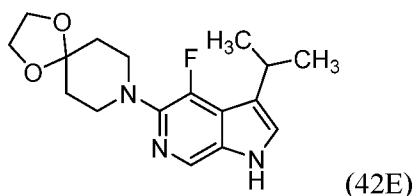
- 8-(4-fluoro-3-(prop-1-en-2-yl)-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-1,4-dioxo-8-azaspiro[4.5]decane (3.8 g, 8.49 mmol, 82 % yield) was prepared as described in the preparation of intermediate 213D using 8-(3-bromo-4-fluoro-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-1,4-dioxo-8-azaspiro[4.5]decane (5.01 g, 10.30 mmol) and 4,4,5,5-tetramethyl-2-(prop-1-en-2-yl)-1,3,2-dioxaborolane (2.077 g, 12.36 mmol) as the starting intermediates. LCMS retention time 4.033 min [D]. MS (E⁻) *m/z*: 448.2 (M+H).

- 10 Intermediate 42D: 8-(4-fluoro-3-isopropyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-1,4-dioxo-8-azaspiro[4.5]decane



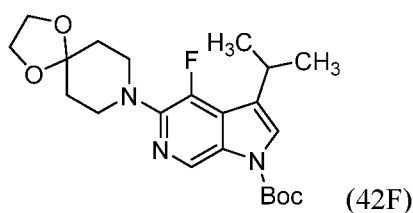
- 8-(4-fluoro-3-isopropyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-1,4-dioxo-8-azaspiro[4.5]decane (3.6 g, 8.01 mmol, 97 % yield) was prepared as described in the preparation of Intermediate 213E using 8-(4-fluoro-3-(prop-1-en-2-yl)-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-1,4-dioxo-8-azaspiro[4.5]decane (3.7 g, 8.27 mmol) as the starting intermediate. LCMS retention time 4.193 min [D]. MS (E⁻) *m/z*: 450.2 (M+H).

- 20 Intermediate 42E: 8-(4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-1,4-dioxo-8-azaspiro[4.5]decane



8-(4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-1,4-dioxo-8-azaspiro[4.5]decane (1.4 g, 4.38 mmol, 79 % yield) was prepared as described in the preparation of Intermediate 213F using 8-(4-fluoro-3-isopropyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-1,4-dioxo-8-azaspiro[4.5]decane (2.5 g, 5.56 mmol) as the starting intermediate. LCMS retention time 2.709 min [D]. MS (E⁻) *m/z*: 320.2 (M+H).

Intermediate 42F: tert-butyl 4-fluoro-3-isopropyl-5-(1,4-dioxo-8-azaspiro[4.5]decan-8-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate

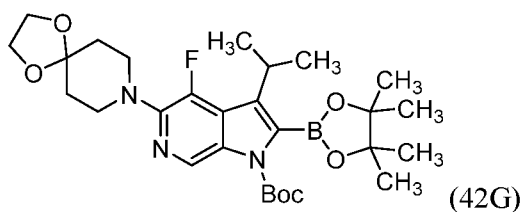


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tert-butyl 4-fluoro-3-isopropyl-5-(1,4-dioxo-8-azaspiro[4.5]decan-8-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (1.41 g, 3.36 mmol, 89 % yield) was prepared as described in the preparation of Intermediate 213G using 8-(4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-1,4-dioxo-8-azaspiro[4.5]decane (1.2 g, 3.76 mmol) as the starting intermediate. LCMS retention time 4.227 min [D]. MS (E⁻) *m/z*: 420.2 (M+H).

15

Intermediate 42G: tert-butyl 4-fluoro-3-isopropyl-5-(1,4-dioxo-8-azaspiro[4.5]decan-8-yl)-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate

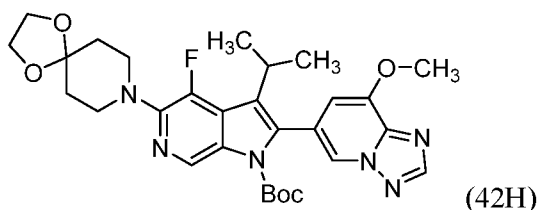


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tert-butyl 4-fluoro-3-isopropyl-5-(1,4-dioxo-8-azaspiro[4.5]decan-8-yl)-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (1.26 g, 2.310 mmol, 69.2 % yield) was prepared as described in the preparation of Intermediate 213H using tert-butyl 4-fluoro-3-isopropyl-5-(1,4-dioxo-8-azaspiro[4.5]decan-8-yl)-1H-

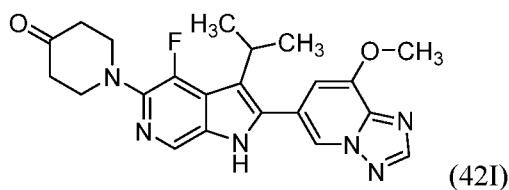
pyrrolo[2,3-c] pyridine-1-carboxylate (1.4 g, 3.34 mmol) as the starting intermediate.
LCMS retention time 4.527 min [D]. MS (E^-) m/z : 546.3 ($M+H$).

Intermediate 42H: tert-butyl 4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-5-(1,4-dioxo-8-azaspiro[4.5]decan-8-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



tert-butyl 4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-5-(1,4-dioxo-8-azaspiro[4.5]decan-8-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (0.51 g, 0.900 mmol, 78 % yield) was prepared as described in the preparation of Intermediate 213I using tert-butyl 4-fluoro-3-isopropyl-5-(1,4-dioxo-8-azaspiro[4.5]decan-8-yl)-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (0.63 g, 1.155 mmol) and 6-bromo-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (0.342 g, 1.501 mmol) as the starting intermediates. LCMS retention time 3.460 min [D]. MS (E^-) m/z : 567.5 ($M+H$).

Intermediate 42I: 1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-one



1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-one (0.32 g, 0.757 mmol, 95 % yield) was prepared as described in the preparation of Example 4 using tert-butyl 4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-5-(1,4-dioxo-8-azaspiro[4.5]decan-8-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (0.45 g, 0.794 mmol)

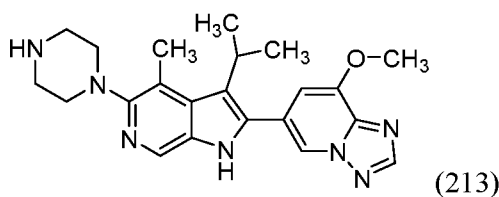
as the starting intermediate. LCMS retention time 2.129 min [D]. MS (E^-) m/z : 423.2 (M+H).

Example 42:

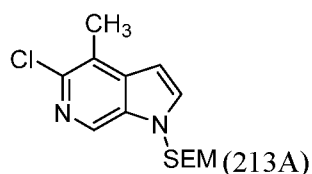
To a solution of 1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-one (25 mg, 0.059 mmol) and oxetan-3-amine (6.49 mg, 0.089 mmol) in mixture of DMF (0.5 mL) and THF (0.5 mL) was added AcOH (0.339 μ l, 5.92 μ mol). The reaction mixture was stirred for 12 h at ambient temperature. Sodium cyanoborohydride (7.44 mg, 0.118 mmol) was added, and the reaction mixture was stirred for 1 h at ambient temperature. The reaction was quenched with 0.2 ml of water. The reaction mixture was concentrated to get crude compound. The crude material was purified by Preparative LCMS using method D2, fractions containing the product was combined and dried using Genevac centrifugal evaporator to afford 1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(oxetan-3-yl)piperidin-4-amine (16.6 mg, 0.034 mmol, 57.0 % yield). LCMS retention time 1.383 min [P]. MS m/z : 480.3 [M+H]⁺; ¹H NMR (400MHz, DMSO- d_6) δ 11.77 (s, 1H), 8.67 (s, 1H), 8.54 (s, 1H), 8.29 (s, 1H), 7.15 (s, 1H), 4.66 (t, J=6.6 Hz, 2H), 4.36 (t, J=6.2 Hz, 2H), 4.06 (s, 4H), 3.26 (br. s., 2H), 3.17 (s, 1H), 2.80 (t, J=11.9 Hz, 2H), 1.91 (s, 2H), 1.79 (d, J=13.9 Hz, 2H), 1.50-1.38 (m, 2H), 1.34 (d, J=7.1 Hz, 6H).

EXAMPLE 213

6-(3-isopropyl-4-methyl-5-(piperazin-1-yl)-1H-pyrrolo [2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine

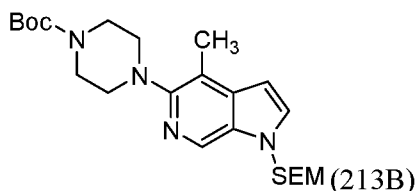


Intermediate (213A): 5-chloro-4-methyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridine



To a solution of 5-chloro-4-methyl-1H-pyrrolo[2,3-c]pyridine (5.6 g, 33.6 mmol) in dry THF (120 mL) was added sodium hydride (1.266 g, 52.8 mmol) portion wise at 0 °C, then stirred for 30 mins, then SEM-Cl (7.49 mL, 42.2 mmol) was added to the reaction mixture at 0 °C. The reaction was continued for 4 hrs at ambient temperature. The reaction was quenched with aqueous NH₄Cl solution. The mixture was partitioned between water and EtOAc. Combined organic layers were washed with water, brine solution, dried over Na₂SO₄ and concentrated, then purified over silica gel eluting 40% EA/hexane to get 5-chloro-4-methyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridine (8.9 g, 30.0 mmol, 89 % yield). LCMS retention time 3.500 min [D]. MS (E⁻) *m/z*: 297.3 (M+H).

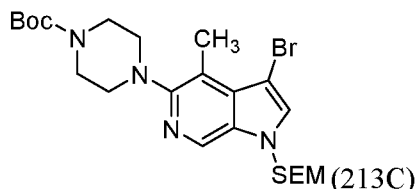
Intermediate 213B: tert-butyl 4-(4-methyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate



A solution of 5-chloro-4-methyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridine (5g, 16.84 mmol) and tert-butyl piperazine-1-carboxylate (3.76 g, 20.21 mmol) in 1,4-Dioxane (60 mL) was purged with nitrogen for 5 mins, then chloro(2-dicyclohexylphosphino-2',6'-diisopropoxy-1,1'-biphenyl)[2-(2'-amino-1,1'-biphenyl)]palladium(II) (0.680 g, 0.875 mmol) was added. The reaction mixture was again purged for 2 min and heated in a sealed tube at 110 °C for 3 h. The reaction mixture was filtered through Celite and was diluted with EtOAc (50 mL), washed with water (30 mL), brine (10 mL), dried (Na₂SO₄) and concentrated to get crude material. The crude material was purified by silica gel chromatography on an ISCO instrument using 24 g silica column, the compound was eluted in 30% EtOAc in hexanes, the fractions were collected and concentrated to afford tert-butyl 4-(4-methyl-1-((2-

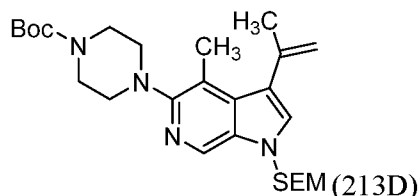
(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (5.1 g, 11.42 mmol, 67.8 % yield). LCMS retention time 1.46 min [L]. MS (E^-) m/z : 447.3 (M+H).

- 5 Intermediate 213C: tert-butyl 4-(3-bromo-4-methyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate



- To a solution of tert-butyl 4-(4-methyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (3.6 g, 8.06 mmol) in DMF (60 mL) at 0 °C was added a solution of NBS (1.41 g, 8.08 mmol) in DMF (20 mL). The reaction mixture was stirred for 3 h at room temperature. The reaction mixture was concentrated under vacuum and 50 mL of water was added. The mixture was extracted with EtOAc(2x100ml), combined organic layers washed with brine solution, dried over Na_2SO_4 , concentrated and purified over silica gel eluting 25% EA in hexane to afford
- 10 tert-butyl 4-(3-bromo-4-methyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (3.5 g, 6.66 mmol, 83 % yield). LCMS retention time 1.73 min [L]. MS (E^-) m/z : 527.3

- Intermediate 213D: tert-butyl 4-(4-methyl-3-(prop-1-en-2-yl)-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate
- 20

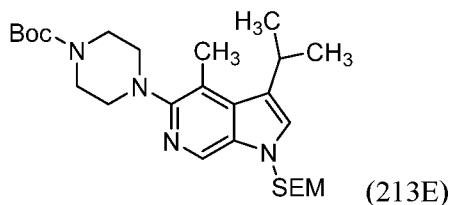


- To a solution of 4-(3-bromo-4-methyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (3.4 g, 6.47 mmol) and 4,4,5,5-tetramethyl-2-(prop-1-en-2-yl)-1,3,2-dioxaborolane (3.04 g, 18.12 mmol) in mixture of THF (160 mL) and water (16 mL) was added potassium phosphate tribasic (4.12 g, 19.41
- 25

mmol). The reaction mixture was purged with nitrogen for 5 mins, then 2nd generation XPhos precatalyst (0.51 g, 0.647 mmol) was added. The reaction mixture was purged again for 2 mins. The reaction mixture was heated in a sealed tube at 60 °C for 2 h. The reaction mass was cooled and filtered through small pad of Celite. The filtrate obtained
 5 was concentrated to provide crude material. The crude material was purified by column chromatography through silica gel eluting 25% EtOAc in hexane to afford tert-butyl 4-(4-methyl-3-(prop-1-en-2-yl)-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (2.6 g, 5.34 mmol, 83 % yield). LCMS retention time 1.79 min [L]. MS (E⁻) *m/z*: 487.5 (M+H).

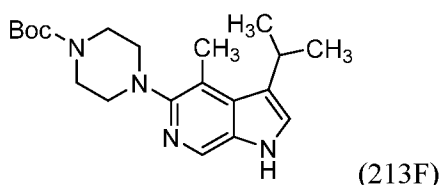
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Intermediate 213E: tert-butyl 4-(3-isopropyl-4-methyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate



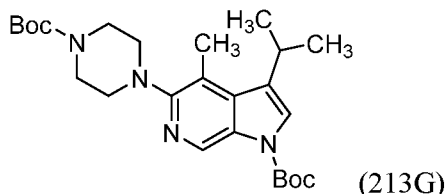
To a solution of tert-butyl 4-(4-methyl-3-(prop-1-en-2-yl)-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (3.5 g, 7.19
 15 mmol) was taken in ethyl acetate (120 mL). Pd-C (0.71 g, 7.19 mmol) was added and the reaction mixture was stirred under H₂ pressure (bladder) for 2 h. The reaction mixture was filtered through Celite, washed the Celite bed with MeOH, MeOH was concentrated under vacuum to get tert-butyl 4-(3-isopropyl-4-methyl-1-((2-
 20 (trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (2.3 g, 4.71 mmol, 65.4 % yield). LCMS retention time 1.83 min [L]. MS (E⁻) *m/z*: 489.4 (M+H).

Intermediate 213F: tert-butyl 4-(3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)
 25 piperazine-1-carboxylate



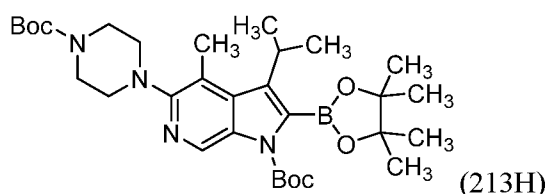
To a solution of tert-butyl 4-(3-isopropyl-4-methyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (2.6 g, 5.32 mmol) in DMF (30 mL) at 0 °C was added TBAF (21.28 mL, 21.28 mmol) and ethylenediamine (1.602 mL, 23.94 mmol). The reaction mixture was stirred for 6 h at 80 °C. The reaction mixture was concentrated and partitioned between water and EtOAc, the organic layer was separated and washed with water, brine solution, dried over Na₂SO₄, concentrated to get tert-butyl 4-(3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (1.81 g, 5.05 mmol, 95 % yield). LCMS retention time 1.07 min [L]. MS (E⁻) *m/z*: 359.3 (M+H).

Intermediate 213G: tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



To a solution of tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (1.5 g, 3.27 mmol, 58.6 % yield) was prepared as described in the preparation of Intermediate 1I using tert-butyl 4-(3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (2 g, 5.58 mmol) as the starting intermediate. LCMS retention time 1.96 min [L]. MS (E⁻) *m/z*: 459.5 (M+H).

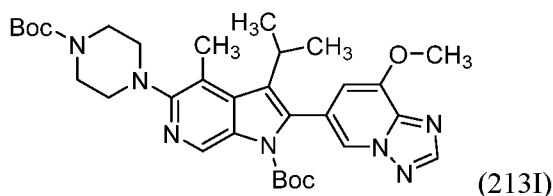
Intermediate 213H: tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-3-isopropyl-4-methyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



To a solution of tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-3-isopropyl-4-methyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (1.22 g, 2.087 mmol, 80 % yield) was prepared as described in the

5 preparation of Intermediate 1L using tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (1.2 g, 2.62 mmol) and 2-isopropoxy-4,4,5,5-tetramethyl-1,3,2-dioxaborolane (5.34 mL, 26.2 mmol) as the starting intermediates. LCMS retention time 3.155 min [D]. MS (E^-) m/z : 585.4 (M+H).

10 Intermediate 213I: tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



To a solution of tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (0.51 g, 0.842 mmol, 82 % yield) was prepared as described in the

15 preparation of Intermediate 1M using tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-3-isopropyl-4-methyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (0.6 g, 1.026 mmol) and 6-bromo-8-methoxy-

20 [1,2,4]triazolo[1,5-a]pyridine (0.281 g, 1.232 mmol) as the starting intermediates. LCMS retention time 2.23 min [L]. MS (E^-) m/z : 606.5 (M+H).

Example 213:

6-(3-isopropyl-4-methyl-5-(piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (1.4 mg, 3.45 μ mol, 10.46 % yield) was prepared

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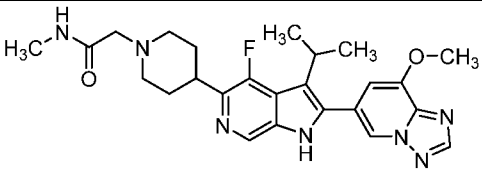
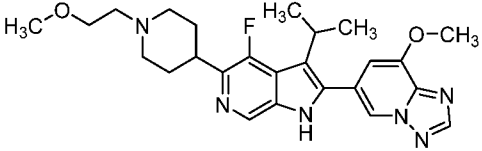
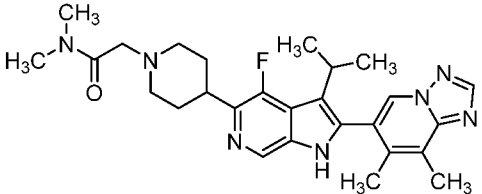
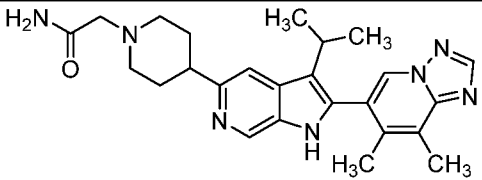
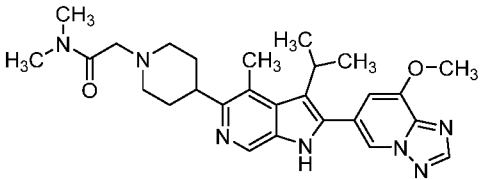
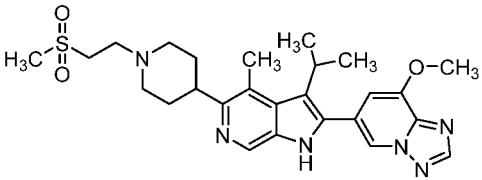
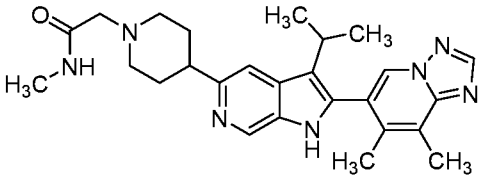
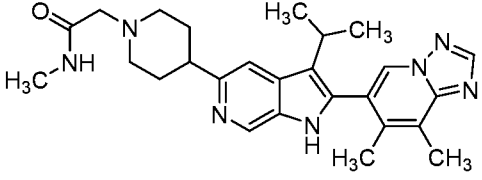
as described in the preparation of Example 4 using tert-butyl 5-(4-(tert-butoxycarbonyl) piperazin-1-yl)-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (20 mg, 0.033 mmol) as the starting intermediate. LCMS retention time 1.055 min [D4]. MS (E⁺) *m/z*: 406.2 (M+H). ¹H NMR (400MHz, DMSO-d₆) δ 11.44 (s, 1H), 8.69 (d, J=1.5 Hz, 1H), 8.54 (s, 1H), 8.34 (s, 1H), 7.15 (d, J=1.5 Hz, 1H), 4.04 (s, 3H), 3.62 (d, J=7.0 Hz, 1H), 2.92-2.86 (m, 8H), 2.66 (s, 4H), 1.26 (d, J=7.0 Hz, 6H).

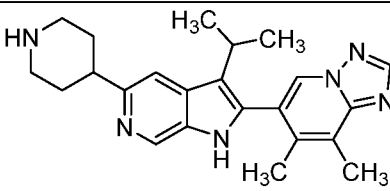
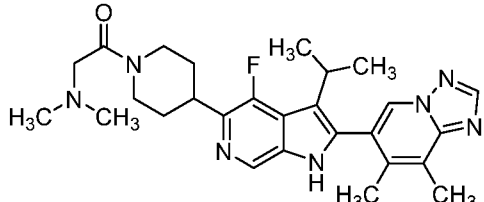
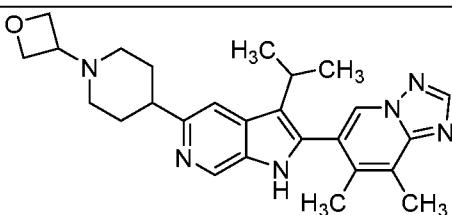
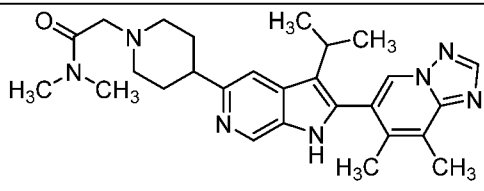
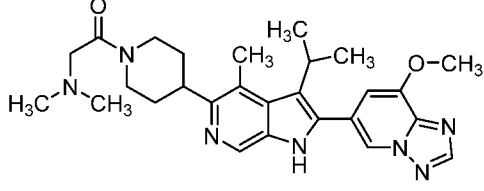
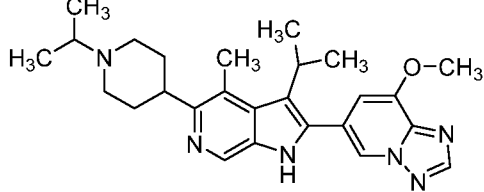
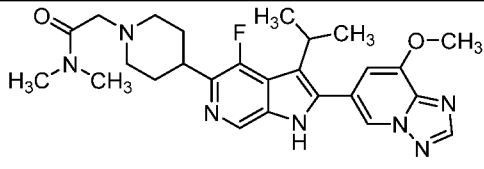
The examples in Table 1 were prepared according to the general procedures described in the above examples.

TABLE 1

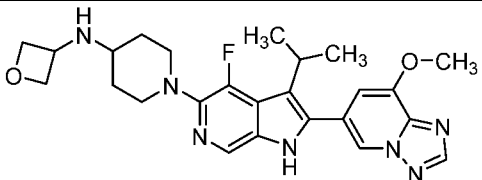
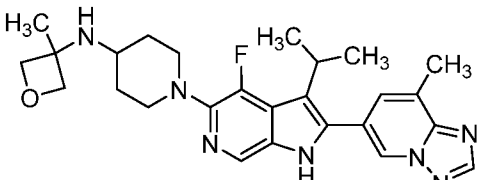
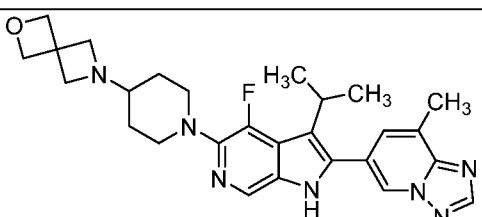
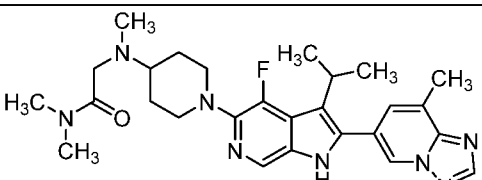
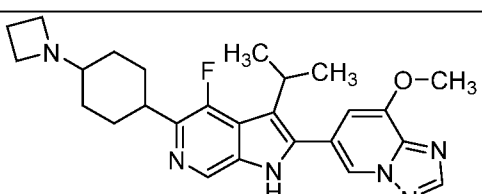
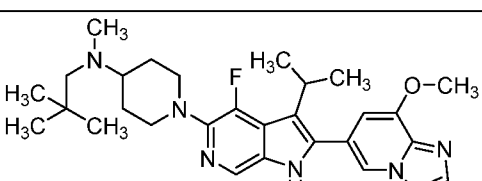
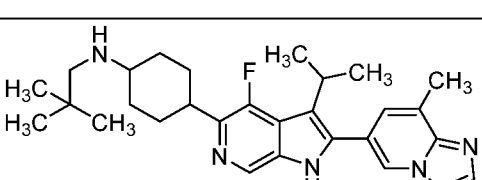
Ex. No.	Structure	Mol. Wt.	LCMS M ⁺	Ret Time (min)	HPLC Method
8		408.55	409.3	0.76	QC-ACN-TFA-XB
9		490.69	491.4	1.35	QC-ACN-AA-XB
10		479.56	480.3	1.2	P
11		461.57	462	1.591	P

12		475.6	476.1	1.476	P
13		406.51	407	0.897	Q
14		514.62	515.3	1.53	P
15		463.56	464.3	1.461	P
16		460.58	461.1	1.766	P
17		492.6	493.3	1.551	P
18		450.56	451.3	1.285	P
19		465.53	466.3	1.38	P

20		479.56	480.3	1.442	P
21		466.56	467.3	1.363	P
22		491.62	492.3	1.457	P
23		445.57	446.1	1.559	P
24		489.62	490.1	1.599	P
25		510.66	511	1.742	P
26		459.6	460.1	1.637	P
27		459.6	460.2	1.401	P

28		388.52	389.1	1.323	P
29		491.62	492.3	1.369	P
30		444.58	445.1	1.745	P
31		473.63	474.2	1.578	P
32		489.62	490.2	1.533	P
33		446.6	447.1	1.537	P
34		493.59	494.3	1.381	P

35		430.6	431.1	1.491	P
36		473.63	474.2	1.493	P
37		493.59	494.3	1.289	P
38		464.55	465.3	1.571	P
39		463.56	464.3	1.259	P
40		476.59	477.3	1.371	P
41		474.51	475.2	2.113	P

42		479.56	480.3	1.383	P
43		477.59	478.3	1.492	P
44		489.6	490.3	1.394	P
45		506.63	507.4	1.426	P
46		462.57	463.3	1.31	P
47		507.66	508.4	1.921	P
48		476.64	477.4	1.875	P

49		478.62	479.4	1.367	P
50		502.64	503.3	1.421	P
51		461.59	462	1.368	p
52		477.63	478	1.434	p
53		485.64	486.4	1.573	p
54		501.68	502.4	1.448	p
55		459.64	460.4	1.381	p

56		485.64	486.3	1.796	p
57		498.68	499	1.402	p
58		486.71	487.4	1.625	p
59		474.61	475.3	1.273	p
60		460.63	461	1.38	p
61		458.65	459.3	1.532	p
62		488.64	489.4	1.057	p

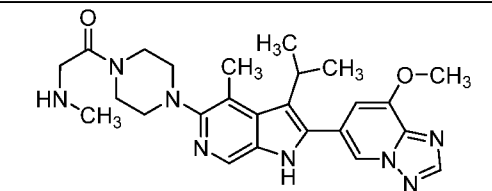
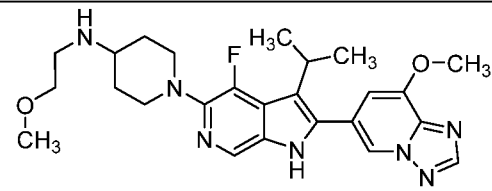
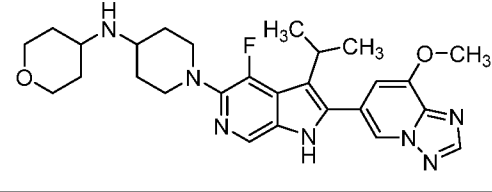
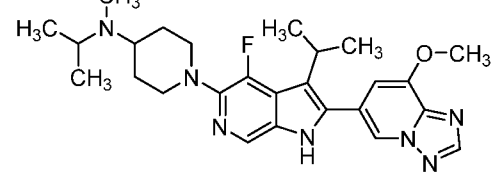
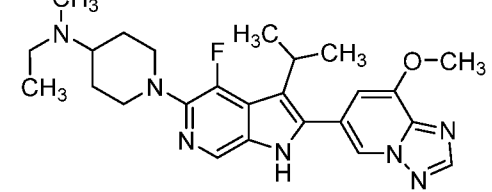
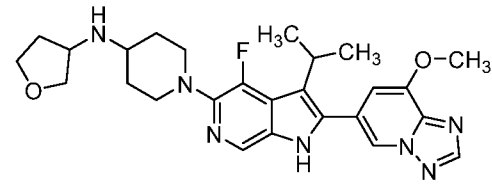
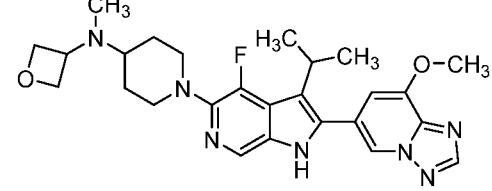
63		446.6	447.3	1.381	p
64		523.66	524.4	1.396	p
65		477.59	478.3	1.329	p
66		477.59	478.3	1.43	p
67		507.61	508.3	1.348	p
68		463.61	464.3	1.346	p
69		449.58	450.4	1.32	p

126

77		464.59	465.3	1.543	P
78		493.59	494	1.828	P
79		521.64	522	1.68	P
80		462.57	463.3	1.511	P
81		476.6	477.3	1.576	P
82		490.63	491.3	1.362	P
83		463.61	464	1.399	P

84		476.64	477.4	1.844	P
85		462.62	463	1.738	P
86		475.64	476	1.298	P
87		459.6	460	1.427	P
88		489.67	490	1.361	P
89		522.67	523.4	1.331	P
90		458.65	459.3	1.319	P

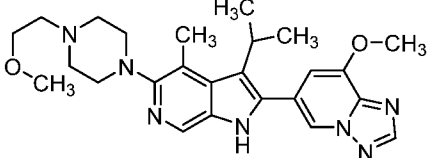
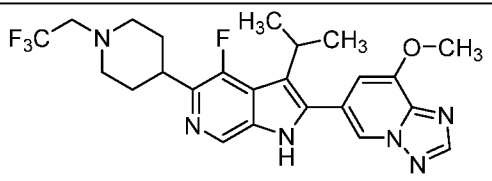
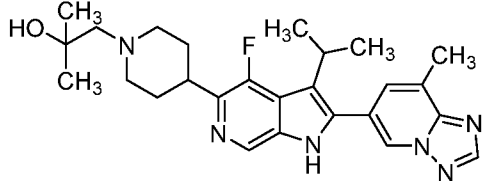
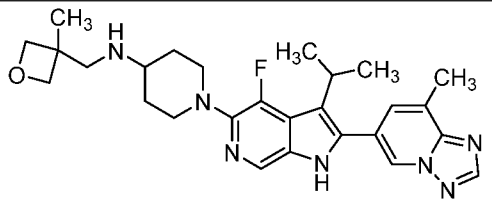
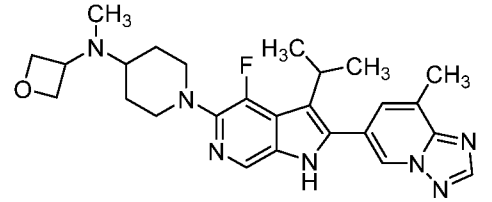
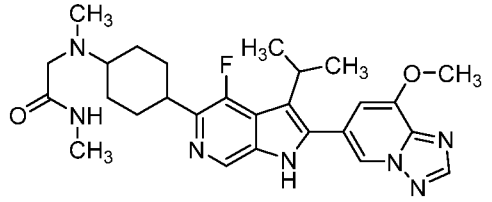
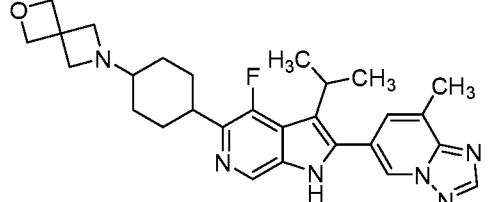
91		472.64	473.4	1.686	P
92		488.68	489.4	1.606	P
93		446.56	447.3	1.329	P
94		474.61	475	1.597	P
95		460.63	461.4	1.645	P
96		476.63	477.4	1.346	P
97		408.57	409.3	1.461	P

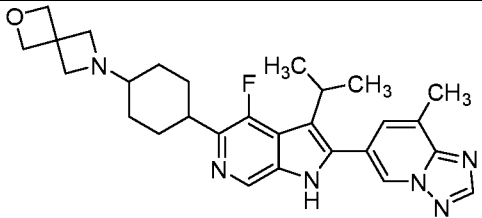
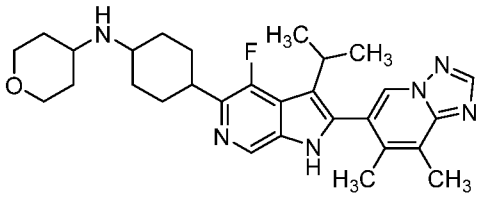
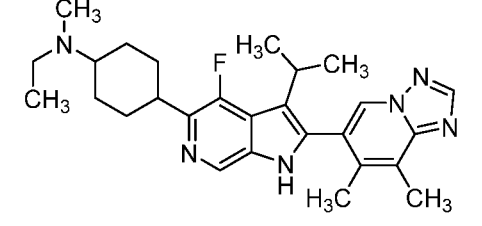
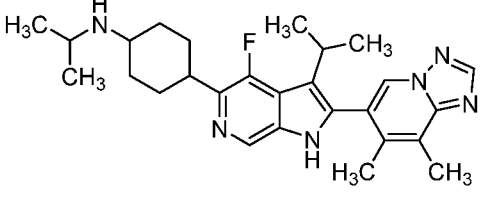
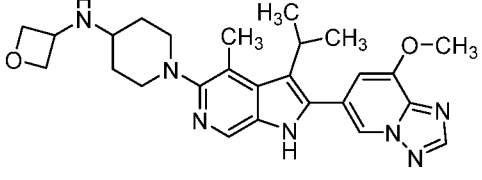
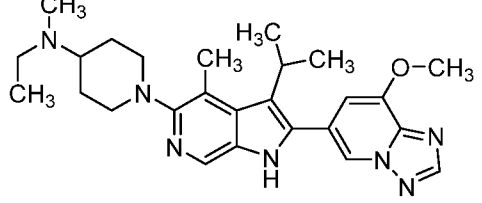
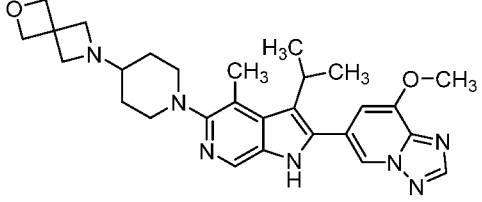
98		476.59	477	1.145	P
99		481.58	482.2	1.265	P
100		507.61	508.3	1.263	P
101		479.6	480.3	1.295	P
102		465.58	466.4	1.264	P
103		493.59	494.2	1.642	D
104		493.59	494.3	1.529	P

105		492.6	493.3	1.515	P
106		492.6	493.4	1.912	P
107		462.57	463.3	1.8	P
108		462.62	463.3	1.607	P
109		446.57	447.3	1.352	P
110		490.63	491.3	1.599	P
111		503.63	504.4	1.476	P

112		473.67	474	1.777	P
113		459.64	460	1.357	P
114		517.61	518	1.967	P
115		517.61	518.3	1.746	P
116		460.63	461.4	1.503	P
117		522.67	523.3	1.602	P
118		472.59	473.3	1.249	P

119		500.69	501.4	1.355	P
120		500.69	501	1.615	P
121		472.64	473.4	1.39	P
122		488.68	489.4	1.371	P
123		476.63	477	1.479	P
124		459.64	460	1.546	P
125		449.53	450.3	1.424	P

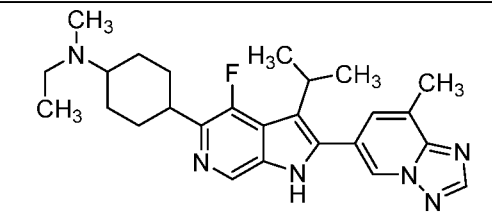
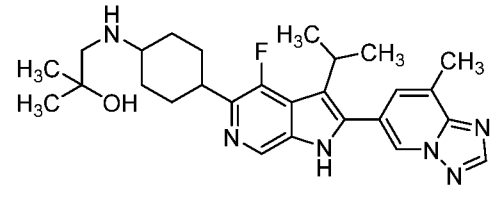
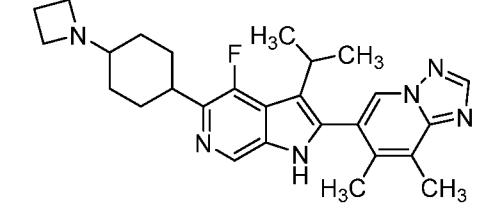
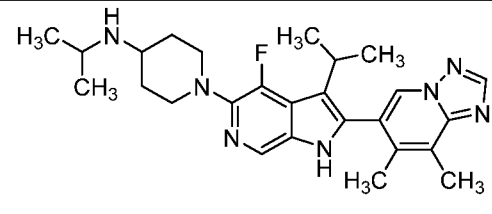
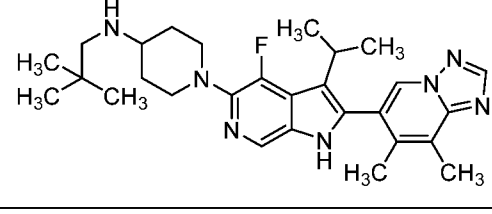
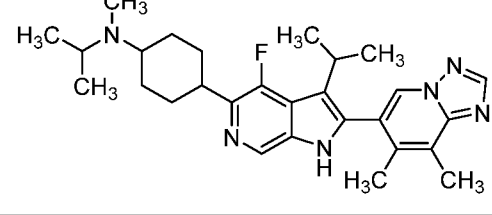
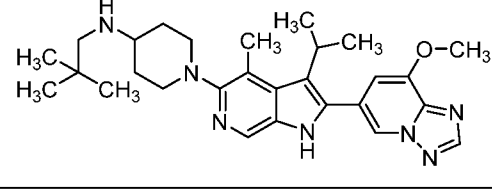
126		463.59	464	1.46	P
127		490.51	491.3	2.054	P
128		464.59	465.3	1.432	P
129		491.62	492.3	1.41	P
130		477.59	478.3	1.582	P
131		507.61	508	1.886	P
132		488.61	489.3	1.707	P

133		488.61	489.3	1.392	P
134		504.65	505.4	1.381	P
135		462.62	463.4	1.528	P
136		462.62	463	1.488	P
137		475.6	476.3	1.497	P
138		461.61	462.3	1.482	P
139		501.64	502.3	1.505	P

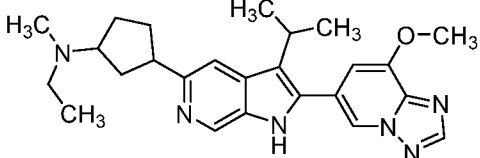
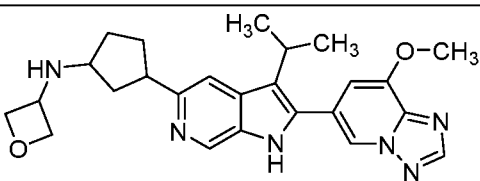
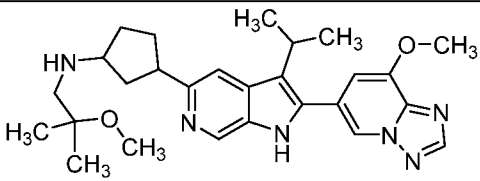
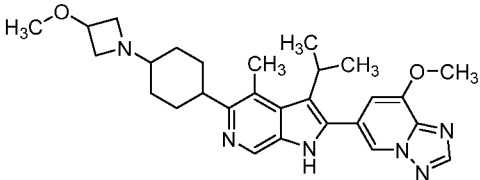
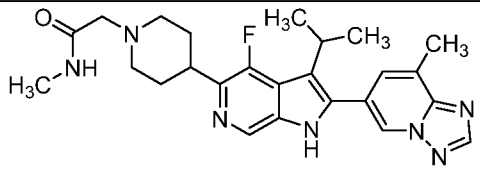
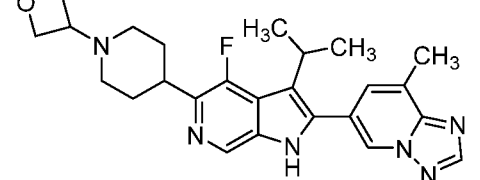
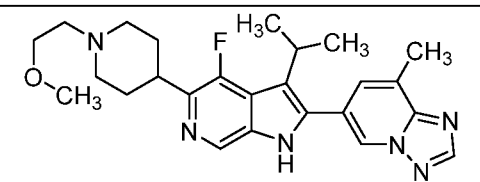
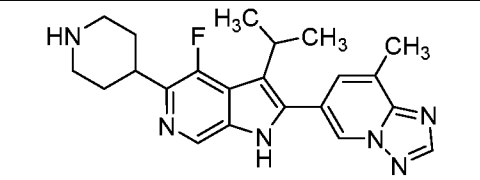
140		459.6	460	1.596	P
141		472.59	473.3	1.208	P
142		498.68	499.4	1.691	P
143		458.65	459.3	1.633	P
144		460.63	461.4	1.564	P
145		446.6	447.3	1.215	P
146		477.59	478	1.508	P

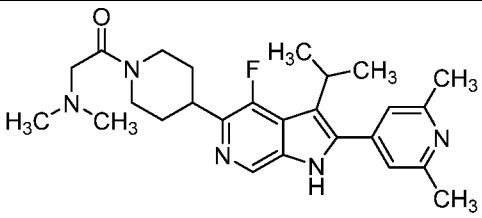
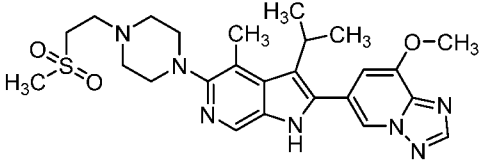
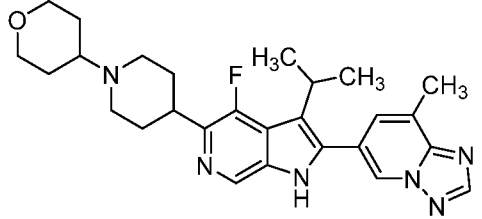
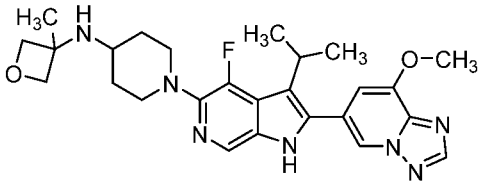
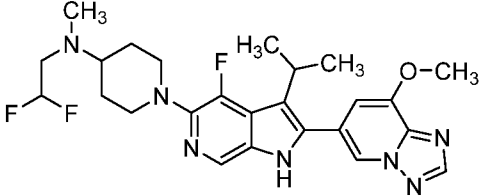
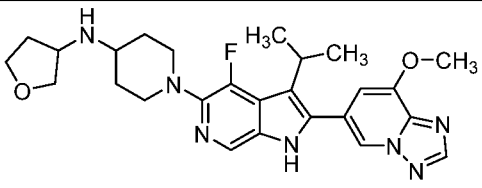
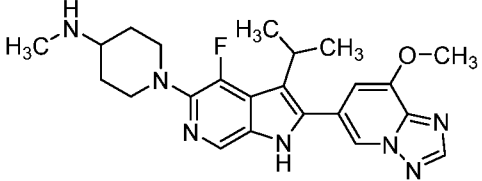
147		503.65	504.4	1.558	P
148		469.64	470.3	1.856	P
149		498.62	499.3	1.572	P
150		437.56	438.3	1.605	P
151		366.48	367.3	1.209	P
152		423.54	424	1.532	P
153		451.59	452.3	1.579	P
154		490.61	491	1.243	P

155		462.56	463	1.312	P
156		495.6	496.4	1.255	P
157		465.58	466.4	1.267	P
158		478.58	479.3	1.48	P
159		464.59	465.3	1.573	P
160		506.63	507.3	1.312	P
161		504.61	505.3	1.661	P
162		492.64	493.3	1.601	P

163		448.59	449.3	1.408	P
164		478.62	479.4	1.604	P
165		460.6	461.3	1.37	P
166		463.61	464	1.396	P
167		491.66	492	1.695	P
168		476.64	477.3	1.497	P
169		489.67	490.4	1.656	P

170		487.65	488.4	1.563	P
171		504.65	505	1.728	P
172		504.65	505.4	2.077	P
173		503.7	504	1.539	P
174		476.6	477.3	1.568	P
175		524.66	525.4	1.817	P
176		502.66	503.4	1.504	P

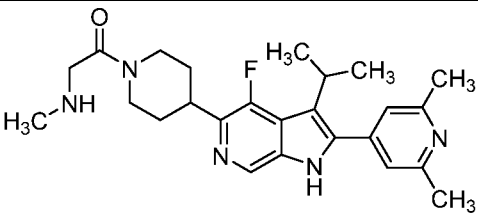
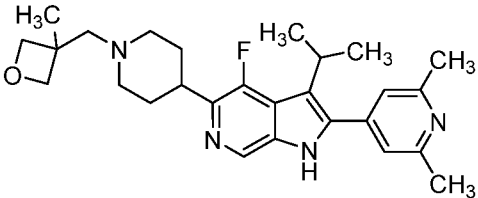
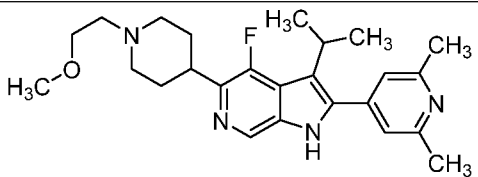
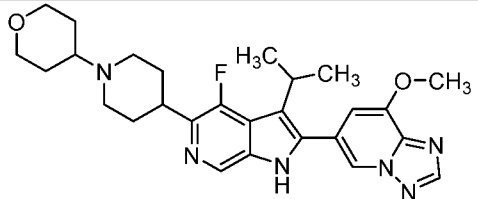
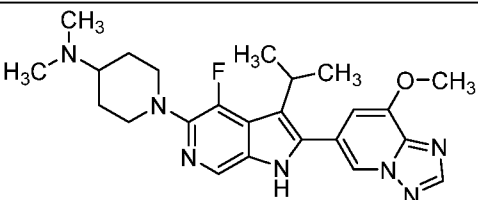
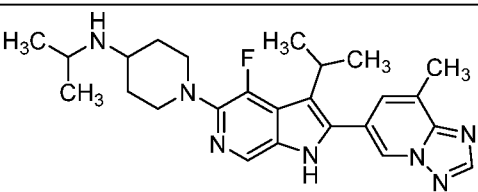
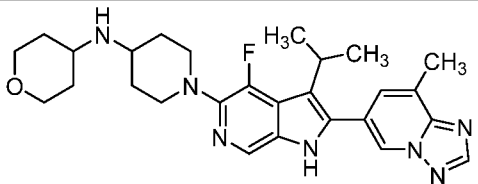
177		432.57	433	1.382	P
178		446.56	447	1.277	P
179		476.63	477.3	1.293	P
180		488.64	489.4	1.248	P
181		463.56	464.3	1.49	P
182		448.55	449.3	1.631	P
183		450.56	451.3	1.406	P
184		392.48	393.2	1.111	P

185		451.59	452.3	1.432	P
186		511.65	512.3	1.451	P
187		476.6	477.3	0.953	Q
188		493.59	494.3	1.456	P
189		501.56	502.3	1.938	P
190		493.59		1.593	D
191		437.52	438.3	1.162	P

192		492.6	493.3	1.832	P
193		506.63	507.3	1.384	P
194		506.63	507.3	1.562	P
195		494.62	495.4	1.565	P
196		491.66	492.4	1.982	P
197		492.6	493.3	1.661	P
198		448.59	449.3	1.624	P

199		448.59	449.3	1.45	P
200		490.67	491.4	1.676	P
201		503.65	504.4	1.346	P
202		461.61	462	1.451	P
203		500.69	501.4	1.726	P
204		500.69	501.4	1.437	P
205		501.68	502	1.333	P

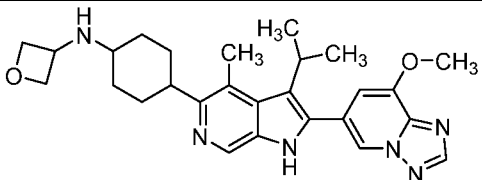
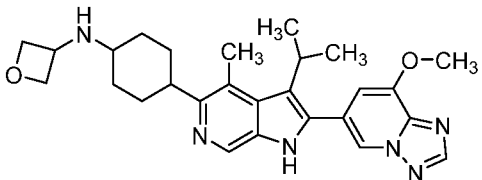
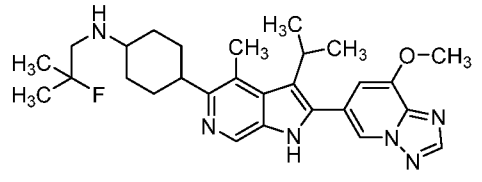
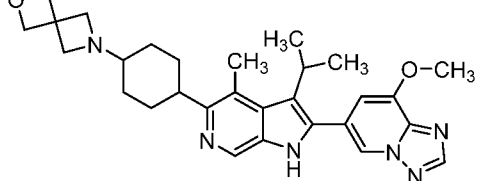
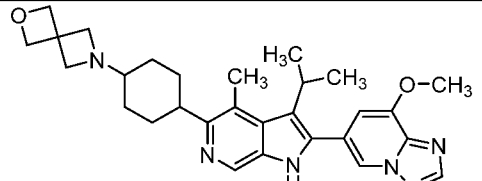
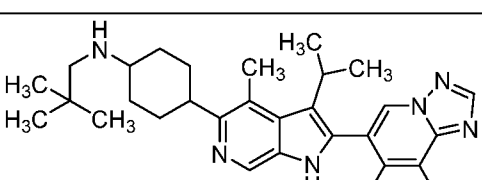
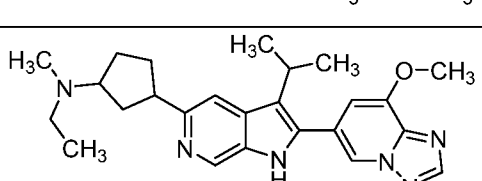
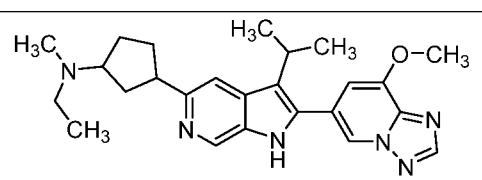
206		504.68	505.3	1.659	P
207		504.68	505.4	1.413	P
208		472.59	473.3	1.394	P
209		472.59	473.3	1.32	P
210		460.63	461.3	1.415	P
211		476.63	477.3	1.518	P
212		434.56	435.3	1.322	P
213		405.51	406.2	1.055	P

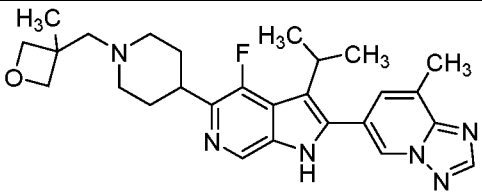
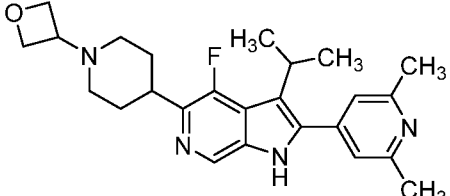
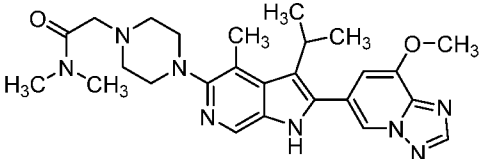
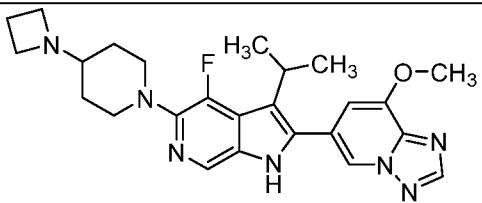
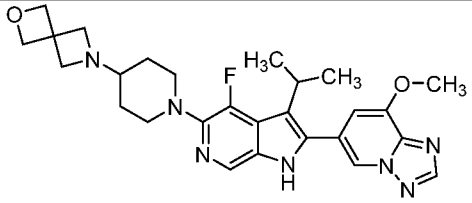
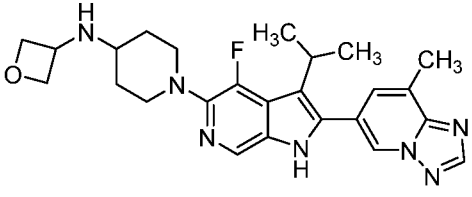
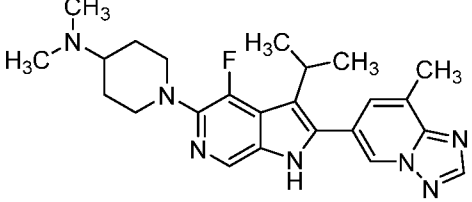
214		437.56	438.3	1.35	P
215		450.6	451.3	1.798	P
216		424.56	425	1.558	P
217		492.6	493.3	1.333	P
218		451.55	452.3	1.21	P
219		449.58	450.3	1.313	P
220		491.62	492.4	1.308	P

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228		464.59	465	1.371	P
229		492.64	493.3	1.833	P
230		448.59	449.3	1.385	P
231		476.6	477.3	1.886	P
232		504.65	505.4	1.678	P
233		460.6	461.3	1.58	P
234		490.67	491.4	1.924	P

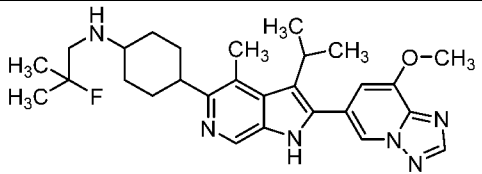
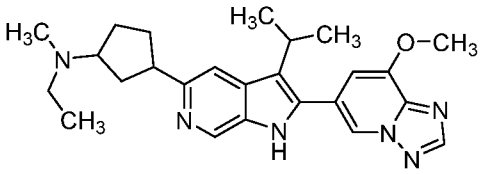
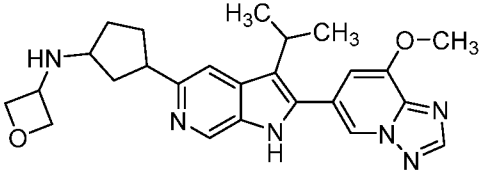
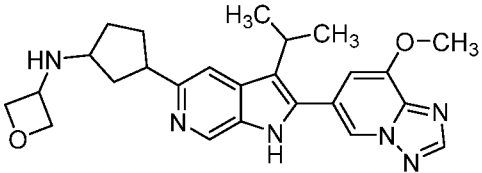
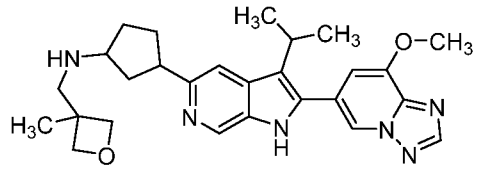
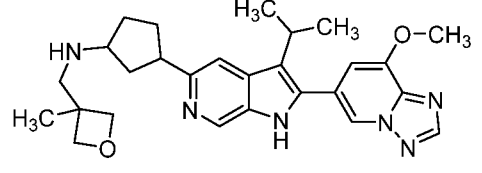
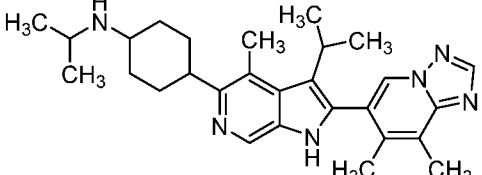
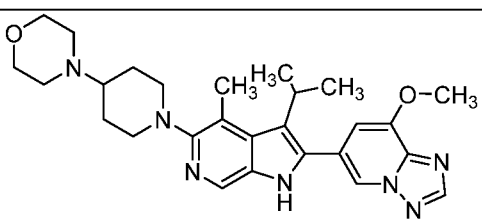
235		445.62	446	1.535	P
236		445.62	446.3	1.504	P
237		473.63	474	1.494	P
238		486.64	487.4	2.289	P
239		486.64	487.3	1.888	P
240		524.66	525.4	1.505	P
241		502.66	503.4	1.233	P

242		474.61	475.4	1.605	P
243		474.61	475.4	1.337	P
244		492.64	493.4	1.821	P
245		500.65	501.3	1.546	P
246		500.65	501.3	1.26	P
247		486.71	487.4	1.625	P
248		432.57	433.3	1.246	P
249		432.57	433.3	1.367	P

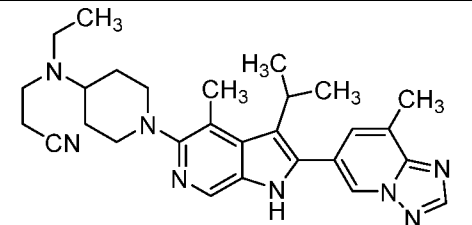
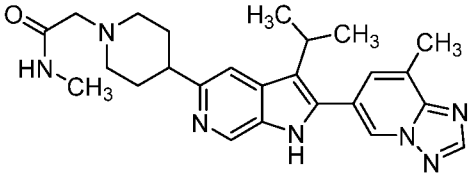
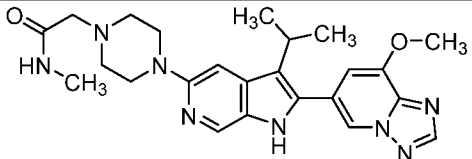
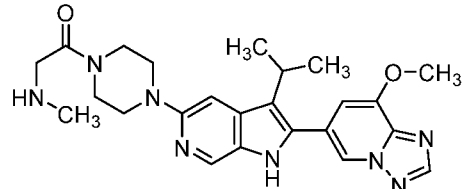
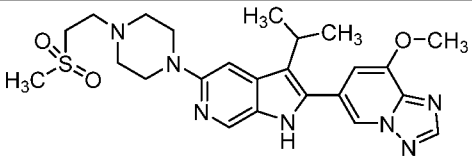
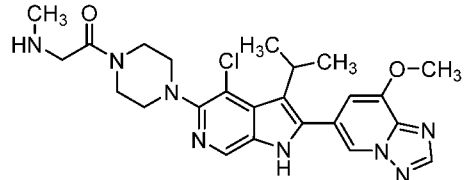
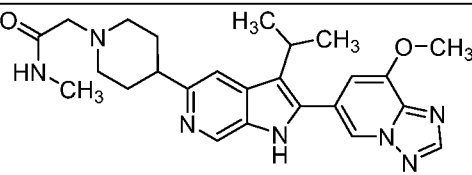
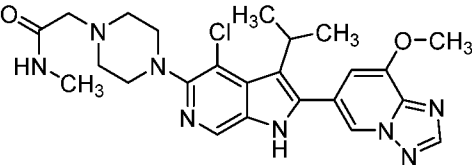
250		476.6	477.3	1.626	P
251		422.55	423.2	1.768	P
252		490.61	491	1.429	P
253		463.56	464.2	1.241	P
254		505.6	506.3	1.34	P
255		463.56	464.3	1.428	P
256		435.55	436.3	1.269	P

257		485.56	486.3	2.006	P
258		479.6	480.4	1.303	P
259		492.6	493.2	1.584	P
260		476.64	477.4	1.269	P
261		462.62	463.3	2.006	P
262		446.57	447.3	1.303	P
263		462.62	463	1.727	P

264		505.64	506	1.406	P
265		487.65	488	1.545	P
266		520.65	503.3	1.532	P
267		476.6	477.3	1.966	P
268		460.63	461.4	1.321	P
269		502.66	503.4	1.584	P
270		502.66	503.4	1.303	P

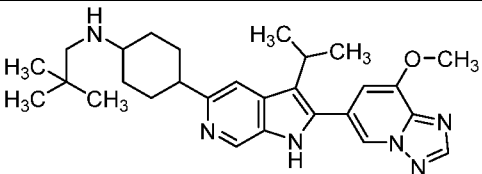
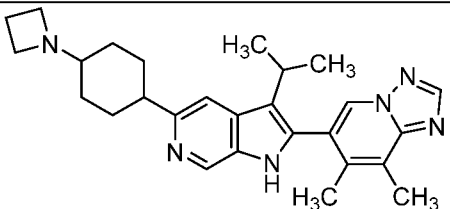
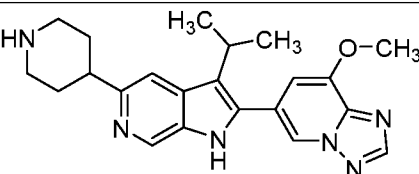
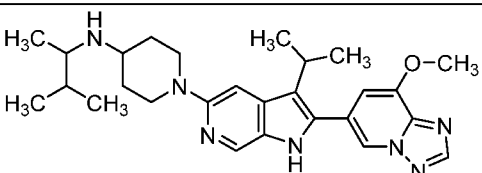
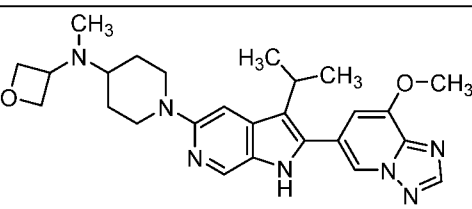
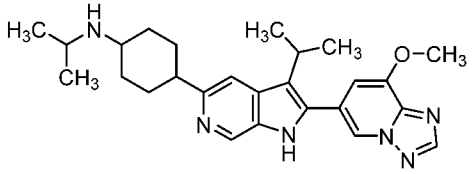
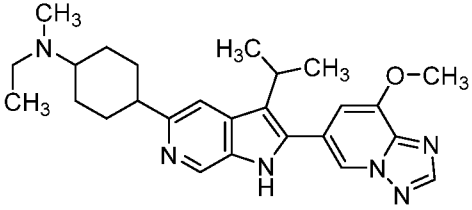
271		492.64	493.4	1.3	P
272		432.57	433	1.529	P
273		446.56	447	1.335	P
274		446.56	447.3	1.32	P
275		474.61	475.4	1.378	P
276		474.61	475	1.251	P
277		458.65	459.4	1.255	P
278		489.62	490.3	1.525	P

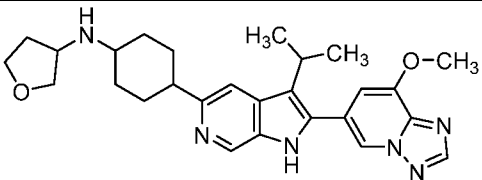
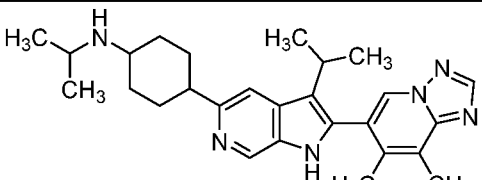
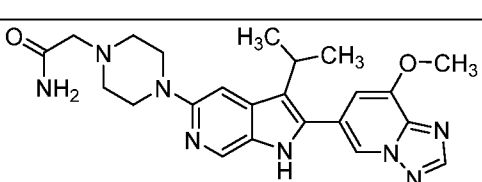
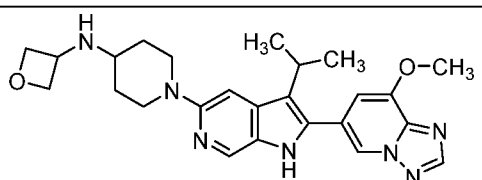
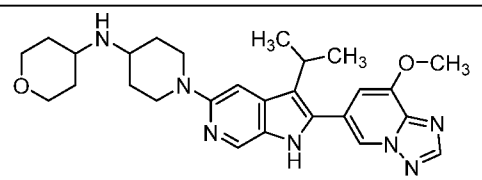
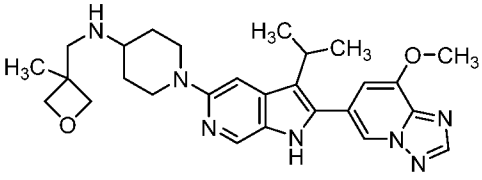
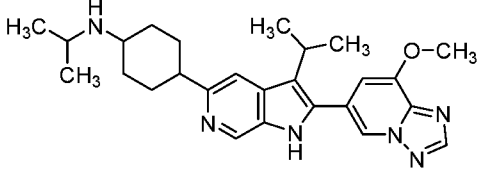
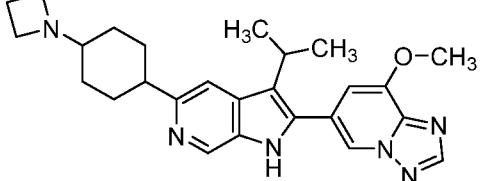
279		443.6	444.3	1.466	P
280		470.63	471.4	1.99	P
281		521.68	522.3	1.15	Q
282		473.63	474.3	1	Q
283		475.64	476.4	1.191	Q
284		486.62	487.3	1.107	Q
285		550.73	551.3	1.828	P

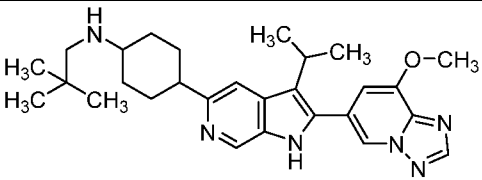
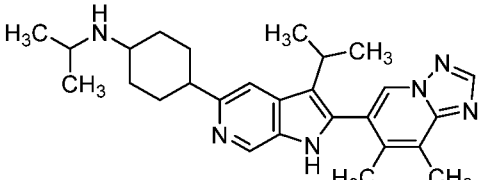
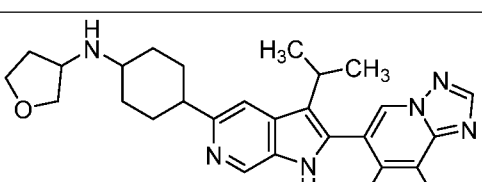
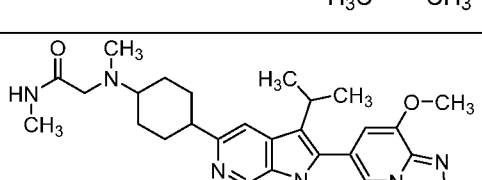
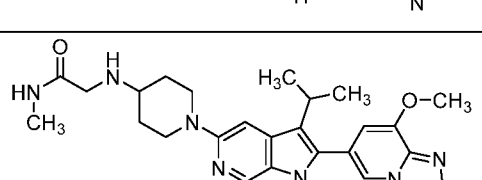
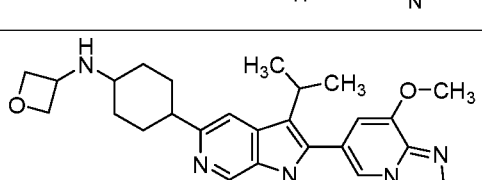
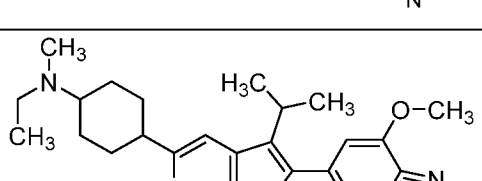
286		484.65	485.4	1.209	Q
287		445.57	446.2	1.498	P
288		462.56	462.1	2.369	P
289		462.56	462.1	2.37	P
290		497.62	498.2	1.228	P
291		497	497	1.491	P
292		461.57	462.2	1.453	P
293		497	497.3	0.935	P

294		532.06	532.1	1.827	P
295		391.48	392.1	1.181	P
296		462.6	463.2	1.376	P
297		460.59	461.2	1.423	P
298		475.6	476.2	1.393	P
299		459.6	460.2	1.424	P
300		476.59	477.3	1.241	P
301		375.48	376	1.155	P

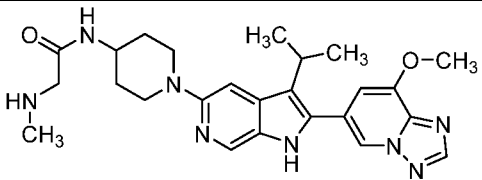
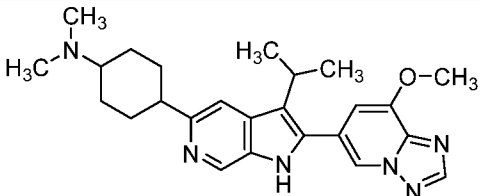
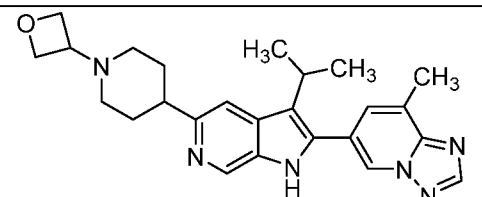
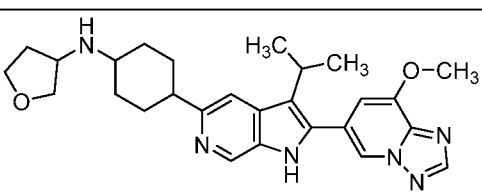
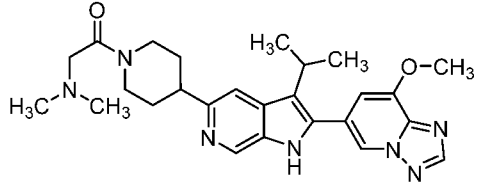
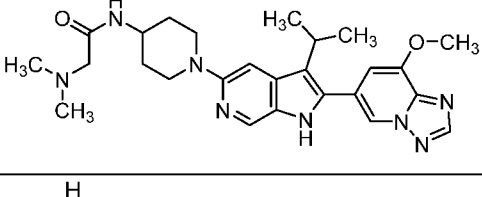
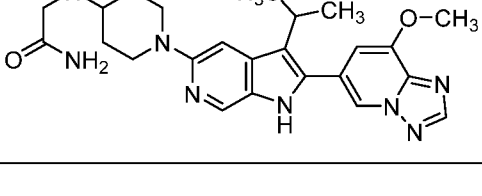
302		446.56	447.2	1.406	P
303		447.54	447.2	1.227	P
304		511.03	511.2	1.626	P
305		511.03	511.1	1.813	P
306		446.56	447.1	1.577	P
307		447.59	448.3	1.113	P
308		460.58	461.3	1.417	P
309		486.62	487	1.401	P

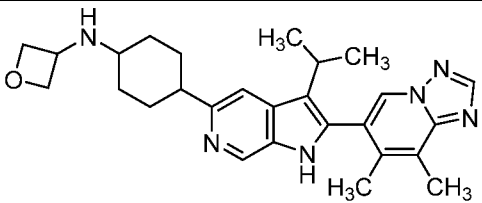
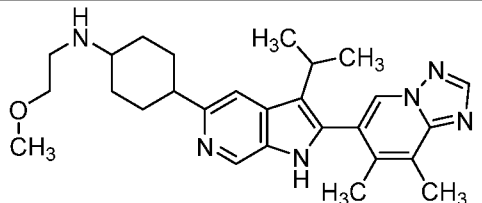
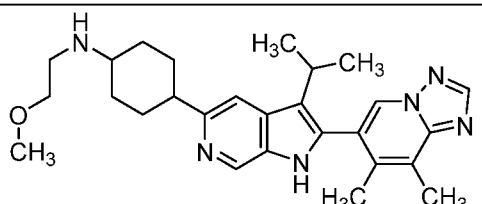
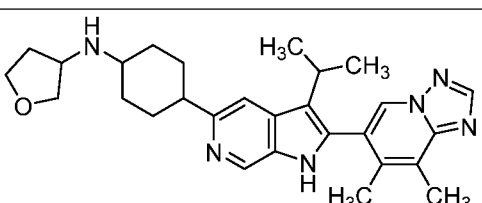
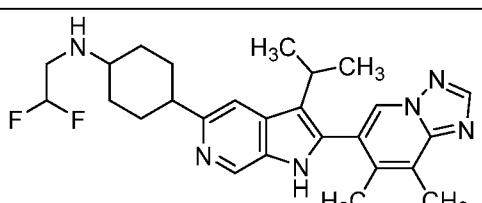
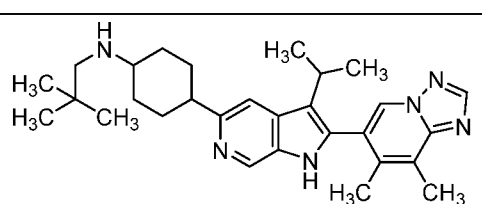
310		474.65	475	1.624	P
311		442.61	443.3	1.43	P
312		390.49	391.3	0.916	P
313		475.64	476.3	1.325	P
314		475.6	476.3	1.405	P
315		446.6	447.4	1.401	P
316		446.6	447.4	1.332	P

317		474.61	475	1.397	P
318		444.63	445.3	1.333	P
319		448.53	449.2	1.106	P
320		461.57	462.3	1.197	P
321		489.62	490	1.102	P
322		489.62	490.3	1.212	P
323		446.6	447.3	1.258	P
324		444.58	445.3	1.19	P

325		474.65	475	1.452	P
326		444.63	445.3	1.489	P
327		472.64	473	1.752	P
328		489.62	490.3	1.596	P
329		476.59	477.3	1.116	P
330		460.58	461.4	1.309	P
331		446.6	447	1.247	P

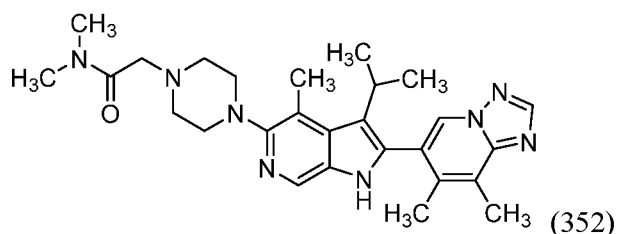
332		444.58	445.3	1.318	P
333		490.61	491.3	1.124	P
334		458.61	459	1.456	P
335		442.61	443.4	1.562	P
336		466.58	467	2.17	P
337		472.68	473.4	1.657	P
338		489.62	490.3	1.443	P

339		476.59	477.3	1.007	P
340		432.57	433.3	1.194	P
341		430.56	431.1	1.622	P
342		474.61	475	1.23	P
343		475.6	476.3	1.092	P
344		490.61	491.3	1.208	P
345		462.56	463.3	1.036	P

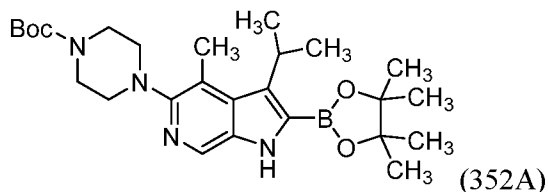
346		458.61	459	1.616	P
347		460.63	461.4	1.709	P
348		460.63	461	1.332	P
349		472.64	473	1.403	P
350		466.58	467	1.794	P
351		472.68	473.4	1.728	P

EXAMPLE 352

2-(4-(2-(7,8-dimethyl-1H-pyrazolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-N,N-dimethylacetamide)

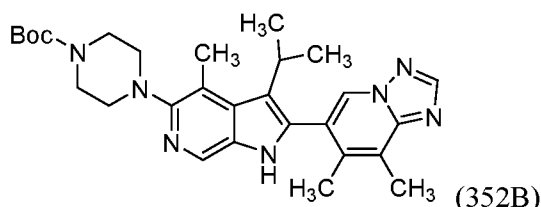


Intermediate 352A: tert-butyl 4-(3-isopropyl-4-methyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate



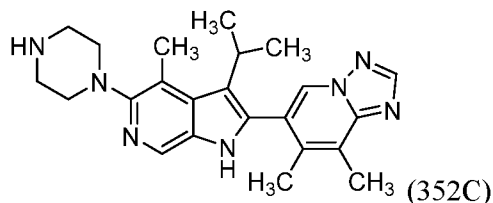
- 5 tert-butyl 4-(3-isopropyl-4-methyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (0.68 g, 1.163 mmol) was taken in a sealed tube and heated at 160 °C for 15 min to afford tert-butyl 4-(3-isopropyl-4-methyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (0.56g, 1.152 mmol, 99% yield).
- 10 LCMS retention time 1.64 min [L]. MS (E⁻) *m/z*: 485.4 (M+H).

Intermediate 352B: tert-butyl 4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate



- 15 tert-butyl 4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (0.43 g, 0.854 mmol, 75 % yield) was prepared as described in the preparation of Intermediate 213I using tert-butyl 4-(3-isopropyl-4-methyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (0.55 g, 1.135 mmol) and 6-bromo-
- 20 7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (0.308 g, 1.362 mmol) as the starting intermediates. LCMS retention time 1.99 min [L]. MS (E⁻) *m/z*: 504.4 (M+H).

Intermediate 352C: 6-(3-isopropyl-4-methyl-5-(piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine



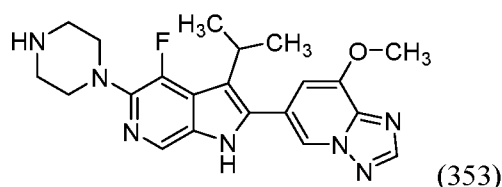
- 5 6-(3-isopropyl-4-methyl-5-(piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (0.31 g, 0.768 mmol, 90 % yield) was prepared as described in the preparation of Example 4 using tert-butyl 4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl) piperazine-1-carboxylate (0.43 g, 0.854 mmol) as the starting intermediate. LCMS
- 10 retention time 0.95 min [L]. MS (E⁻) *m/z*: 404.4 (M+H).

Example 352:

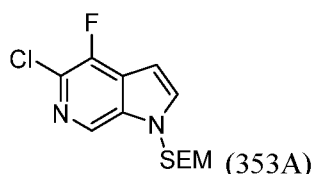
- 2-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-N,N-dimethylacetamide (16.9 mg, 0.035
- 15 mmol, 55.8 % yield) was prepared as described in the preparation of Example 2 using 6-(3-isopropyl-4-methyl-5-(piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (25 mg, 0.062 mmol) and 2-chloro-N,N-dimethylacetamide (15.06 mg, 0.124 mmol) the starting intermediates. LCMS retention time 1.539 min [D4]. MS *m/z*: 489.3 [M+H]⁺; ¹H NMR (400MHz, DMSO-d₆) δ 11.96-11.83 (m, 1H),
- 20 8.95 (s, 1H), 8.52 (s, 1H), 8.49 (s, 1H), 4.40 (s, 2H), 3.42-3.26 (m, 9H), 2.99 (s, 3H), 2.95 (s, 3H), 2.70 (s, 3H), 2.61 (s, 3H), 2.16-2.05 (m, 3H), 1.24 (d, J=7.1 Hz, 3H), 1.02 (d, J=6.8 Hz, 3H).

EXAMPLE 353

- 25 6-(4-fluoro-3-isopropyl-5-(piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine

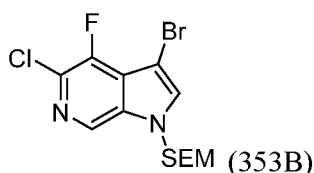


Intermediate 353A: 5-chloro-4-fluoro-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridine



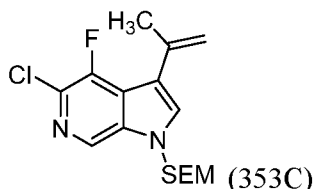
5 5-chloro-4-fluoro-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridine (9.6 g, 31.9 mmol, 91 % yield) was prepared as described in the preparation of Intermediate 213A using 5-chloro-4-fluoro-1H-pyrrolo[2,3-c]pyridine (6 g, 35.2 mmol) as the starting material. LCMS retention time min 2.17[L]. MS (E^-) m/z : 301.2 (M+H).

10 Intermediate 353B: 3-bromo-5-chloro-4-fluoro-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridine



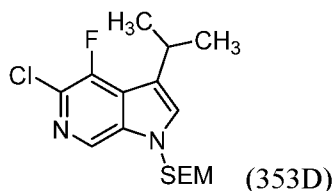
15 3-bromo-5-chloro-4-fluoro-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridine (5.65 g, 14.88 mmol, 90 % yield) as brown solid was prepared as described in the preparation of Intermediate 213C using 5-chloro-4-fluoro-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridine (5 g, 16.62 mmol) as the starting intermediate. LCMS retention time 381.1 min [L]. MS (E^-) m/z : (M+2H).

20 Intermediate 353C: 5-chloro-4-fluoro-3-(prop-1-en-2-yl)-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridine



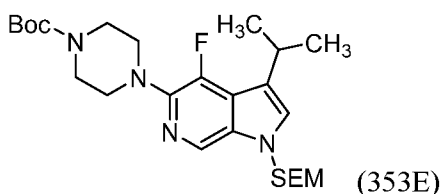
5-chloro-4-fluoro-3-(prop-1-en-2-yl)-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridine (6.0 g, 17.60 mmol, 84 % yield) was prepared as described in the preparation of Intermediate 213D using 3-bromo-5-chloro-4-fluoro-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridine (8.0 g, 21.07 mmol) and 4,4,5,5-tetramethyl-2-(prop-1-en-2-yl)-1,3,2-dioxaborolane (3.54 g, 21.07 mmol) as the starting intermediates. LCMS retention time 1.48 min [L]. MS (E^-) m/z : 341.1 ($M+H$).

Intermediate 353D: 5-chloro-4-fluoro-3-isopropyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridine



5-chloro-4-fluoro-3-isopropyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridine (5.82 g, 13.92 mmol, 79 % yield) was prepared as described in the preparation of Intermediate 213E using 5-chloro-4-fluoro-3-(prop-1-en-2-yl)-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridine (6.0 g, 17.60 mmol) as the starting intermediate. LCMS retention time 1.61 min [L]. MS (E^-) m/z : 343.5 ($M+H$).

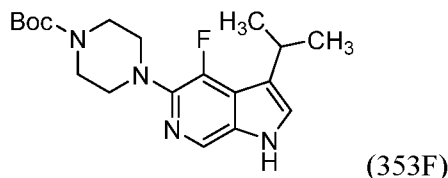
Intermediate 353E: tert-butyl 4-(4-fluoro-3-isopropyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate



tert-butyl 4-(4-fluoro-3-isopropyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (3.6 g, 7.31 mmol, 84 % yield) was prepared as described in the preparation of Intermediate 213B using 5-chloro-4-fluoro-3-

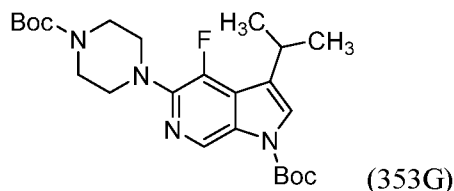
isopropyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridine (3.000 g, 8.75 mmol) and tert-butyl piperazine-1-carboxylate (1.955 g, 10.50 mmol) as the starting intermediates. LCMS retention time 1.81 min [L]. MS (E^-) m/z : 493.9 (M+H).

- 5 Intermediate 353F: tert-butyl 4-(4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl) piperazine-1-carboxylate



- tert-butyl 4-(4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (2.1 g, 5.79 mmol, 95 % yield) was prepared as described in the preparation of Intermediate 213F using tert-butyl 4-(4-fluoro-3-isopropyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (3.0 g, 6.09 mmol) as the starting intermediate. LCMS retention time 1.81 min [L]. MS (E^-) m/z : 363.2 (M+H).
- 10

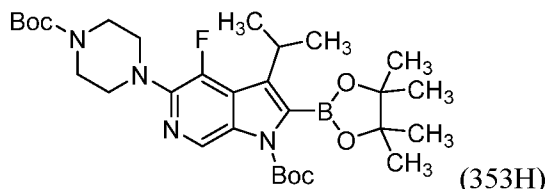
- 15 Intermediate 353G: tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



- tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (2.3 g, 4.97 mmol, 90 % yield) was prepared according to the general procedure described in Intermediate 1I using tert-butyl 4-(4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazine-1-carboxylate (2 g, 5.52 mmol) as the starting intermediate. LCMS retention time 1.87 min [L]. MS m/z : 463.4 [M+H]⁺.
- 20

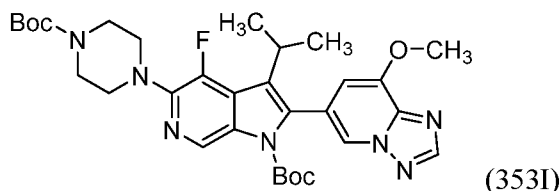
- 25 Intermediate 353H: tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-4-fluoro-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-

carboxylate



- tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-4-fluoro-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (1.45 g, 2.464 mmol, 92 % yield) was prepared according to the general procedure described in Intermediate 1L using tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (1.24 g, 2.68 mmol) as the starting intermediate. LCMS retention time 2.127 min [D]. MS m/z : 589.2 [M+H]⁺.

- 10 Intermediate 353I: tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



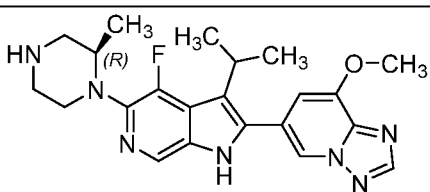
- tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (0.85 g, 1.394 mmol, 70.7 % yield) was prepared according to the general procedure described in Intermediate 1M using tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-4-fluoro-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (1.16 g, 1.971 mmol) as the starting intermediate. LCMS retention time 1.37 min [L]. MS m/z : 610.5 [M+H]⁺.

Example 353:

- 6-(4-fluoro-3-isopropyl-5-(piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (0.27 g, 0.653 mmol, 93% yield) was prepared according to the general procedure described in the preparation of Example 4 using tert-butyl 5-(4-(tert-butoxycarbonyl)piperazin-1-yl)-4-fluoro-3-isopropyl-2-(8-methoxy-

[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (0.43 g, 0.705 mmol) as the starting intermediate. LCMS retention time 1.270 min [D4]. MS m/z : 410.3 [M+H]⁺; ¹H NMR (400MHz, DMSO-*d*₆) δ 11.79 (br. s., 1H), 8.70 (d, J=1.2 Hz, 1H), 8.55 (s, 1H), 8.32 (d, J=1.5 Hz, 1H), 7.18 (s, 1H), 4.07 (s, 3H), 3.28 (dd, J=7.3, 3.9 Hz, 1H),
 5 3.18-3.11 (m, 5H), 2.98-2.86 (m, 4H), 1.34 (d, J=6.8 Hz, 6H).

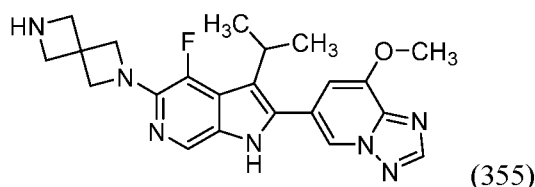
The following Example was prepared according to the general procedure used to prepare Example 353:

Ex. No.	structure	LCMS (M+H)	RT	HPLC method
354		424.3	0.91	L

10

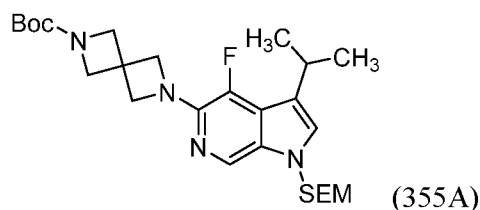
EXAMPLE 355

6-(4-fluoro-3-isopropyl-5-(2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine



Intermediate 355A: tert-butyl 6-(4-fluoro-3-isopropyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptane-2-carboxylate

15

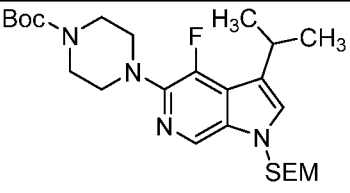
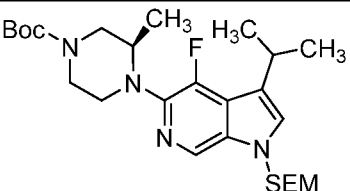


tert-butyl 6-(4-fluoro-3-isopropyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptane-2-carboxylate (6.66 g, 13.20 mmol, 94 % yield) was prepared as described in the preparation of Intermediate 213B

using 5-chloro-4-fluoro-3-isopropyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridine (4.8 g, 14.00 mmol) and tert-butyl 2,6-diazaspiro[3.3]heptane-2-carboxylate (3.33 g, 16.80 mmol) as starting materials. LCMS retention time 1.69 min [L]. MS (E⁻) *m/z*: 505.7 (M+H).

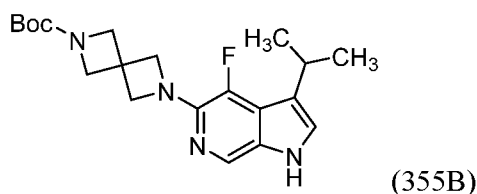
5

The following Intermediates were prepared according to the general procedure used to prepare Intermediate 355A:

Int.	Structure	LCMS (M+H)	RT	HPLC method
393A		493.9	1.81	L
393A		507.9	1.92	L

Intermediate 355B: tert-butyl 6-(4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptane-2-carboxylate

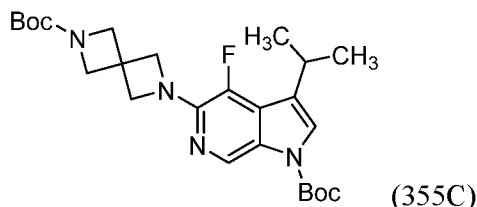
10



tert-butyl 6-(4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptane-2-carboxylate (5.0 g, 12.15 mmol, 92 % yield) was prepared as described in the preparation of Intermediate 213F using tert-butyl 6-(4-fluoro-3-isopropyl-1-((2-(trimethylsilyl)ethoxy)methyl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptane-2-carboxylate (6.66 g, 13.20 mmol) as a starting material. LCMS retention time 0.93 min [L]. MS (E⁻) *m/z*: 375.3 (M+H).

15

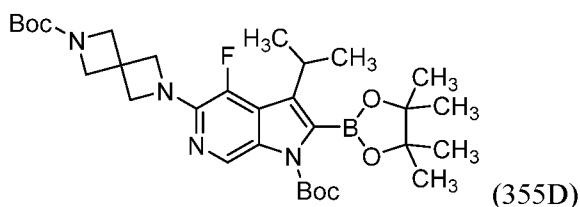
Intermediate 355C: tert-butyl 5-(6-(tert-butoxycarbonyl)-2,6-diazaspiro[3.3]heptan-2-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



tert-butyl 5-(6-(tert-butoxycarbonyl)-2,6-diazaspiro[3.3]heptan-2-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (4 g, 8.43 mmol, 63.1 % yield) was prepared as described in the preparation of Intermediate 1I using tert-butyl 6-(4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptane-2-carboxylate (5 g, 13.35 mmol) as a starting material. LCMS retention time 1.71 min [L]. MS (E^-) m/z : 475.3 (M+H).

10

Intermediate 355D: tert-butyl 5-(6-(tert-butoxycarbonyl)-2,6-diazaspiro[3.3]heptan-2-yl)-4-fluoro-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate

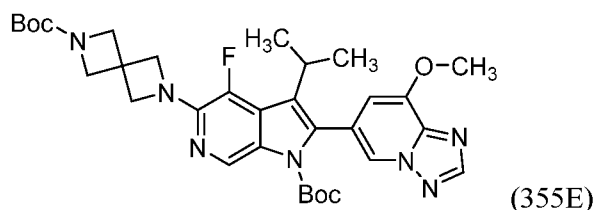


tert-butyl 5-(6-(tert-butoxycarbonyl)-2,6-diazaspiro[3.3]heptan-2-yl)-4-fluoro-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (4.5 g, 7.49 mmol, 89 % yield) was prepared as described in the preparation of Intermediate 1L using tert-butyl 5-(6-(tert-butoxycarbonyl)-2,6-diazaspiro[3.3]heptan-2-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (4.0 g, 8.43 mmol) as the starting material. LCMS retention time 2.834 min [D]. MS (E^-) m/z : 601.4 (M+H).

20

Intermediate 355E: tert-butyl 5-(6-(tert-butoxycarbonyl)-2,6-diazaspiro[3.3]heptan-2-yl)-4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate

25



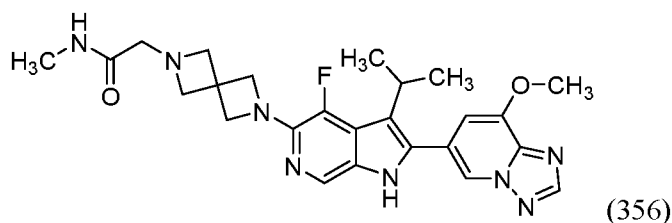
tert-butyl 5-(6-(tert-butoxycarbonyl)-2,6-diazaspiro[3.3]heptan-2-yl)-4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (1.4 g, 2.252 mmol, 67.6 % yield) was prepared as described in the preparation of Intermediate 1M using tert-butyl 5-(6-(tert-butoxycarbonyl)-2,6-diazaspiro[3.3]heptan-2-yl)-4-fluoro-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (2.0 g, 3.33 mmol) and 6-bromo-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (0.835 g, 3.66 mmol) as starting materials. LCMS retention time 1.12 min [L]. MS (E^-) m/z : 622.4 (M+H).

Example 355:

6-(4-fluoro-3-isopropyl-5-(2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (0.55 g, 1.305 mmol, 62.4 % yield) was prepared according to the general procedure described in the preparation of Example 4 using tert-butyl 5-(6-(tert-butoxycarbonyl)-2,6-diazaspiro[3.3]heptan-2-yl)-4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (1.3 g, 2.091 mmol) in DCM (15 mL) as starting material. LCMS retention time 0.83 min [L]. MS (E^-) m/z : 422.3 (M+H).

EXAMPLE 356

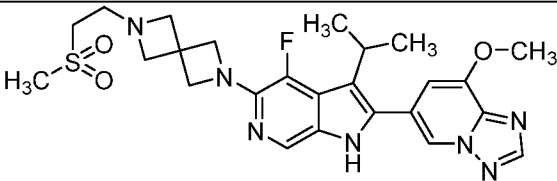
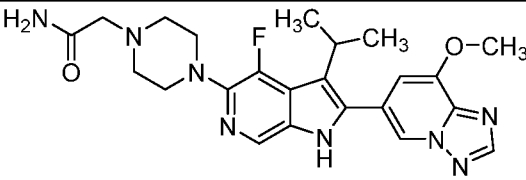
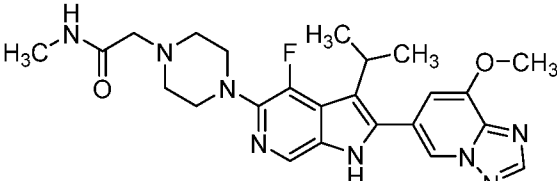
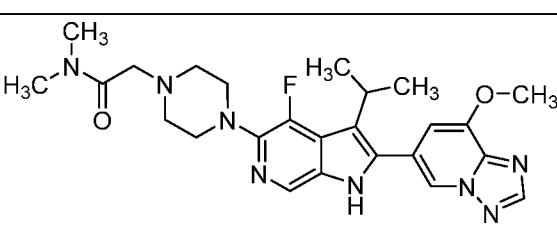
2-(6-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-N-methylacetamide

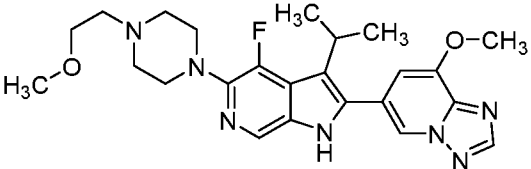
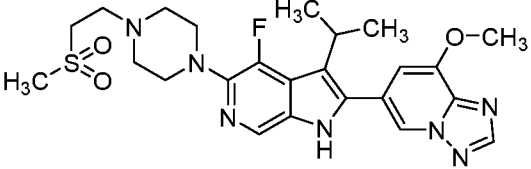
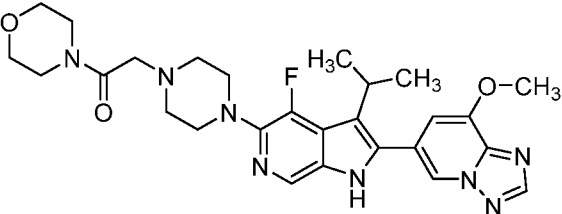
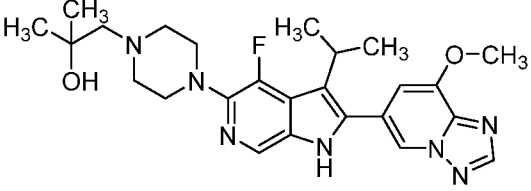
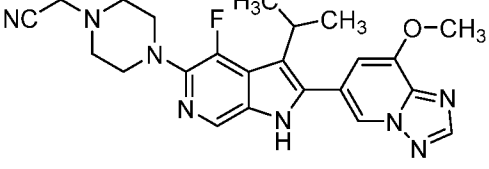
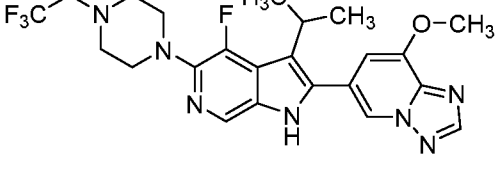


2-(6-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-N-methylacetamide (3.1 mg,

6.04 μmol , 8.49 % yield) was prepared as described in the preparation of Example 2 using 6-(4-fluoro-3-isopropyl-5-(2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (30 mg, 0.071 mmol) and 2-chloro-N-methylacetamide (11.48 mg, 0.107 mmol) as the starting intermediates. LCMS retention time 1.322 min [P]. MS m/z : 493.3 $[\text{M}+\text{H}]^+$; ^1H NMR (400 MHz, DMSO- d_6) δ = 11.62 (d, J = 1.2 Hz, 1H), 8.69 (s, 1H), 8.55 (s, 1H), 8.22 (d, J = 1.7 Hz, 1H), 7.70-7.55 (m, 1H), 7.17 (s, 1H), 4.11-4.03 (m, 8H), 3.43 (s, 4H), 3.28-3.20 (m, 1H), 3.01 (s, 2H), 2.60 (d, J = 4.9 Hz, 2H), 1.33 (d, J = 7.3 Hz, 6H).

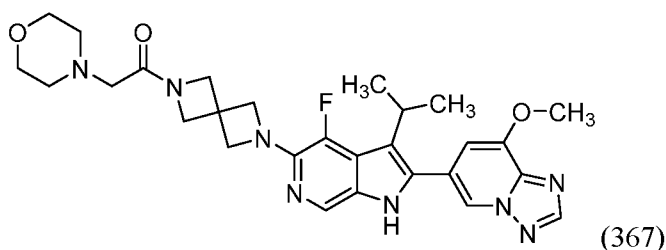
10 The following Examples were prepared according to the general procedure used to prepare Example 356:

Ex. No.	Structure	LCMS (M+H)	RT	HPLC method
357		528.2	1.397	D4
358		467.3	1.486	D4
359		481.3	1.558	D4
360		495.3	1.62	D4

361		468.3	1.699	D4
362		516.3	1.617	D4
363		537.3	1.616	D4
364		482.3	1.781	D4
365		449.2	1.558	D4
366		492.2	2.023	D4

EXAMPLE 367

1-(6-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-2-morpholinoethan-1-one



1-(6-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-2-morpholinoethan-1-one (2.3 mg, 4.19 μ mol, 5.89 % yield) was prepared as described in the preparation of

5 Example 5 using 6-(4-fluoro-3-isopropyl-5-(2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (30 mg, 0.071 mmol) and 2-morpholinoacetic acid (15.50 mg, 0.107 mmol) as the starting intermediates. LCMS retention time 1.407 min [P]. MS m/z : 549.3 [M+H]⁺; ¹H NMR (400 MHz, DMSO- d_6) δ = 11.64 (s, 1H), 8.69 (s, 1H), 8.55 (s, 1H), 8.23 (d, J = 1.7 Hz, 1H), 7.18 (s, 1H), 4.41 (s, 2H), 4.13 (s, 4H), 4.08 (s, 5H), 3.59 (br d, J = 3.4 Hz, 6H), 2.99 (br d, J = 1.7 Hz, 2H), 2.43 (br d, J = 2.2 Hz, 3H), 1.33 (d, J = 7.1 Hz, 6H).

10

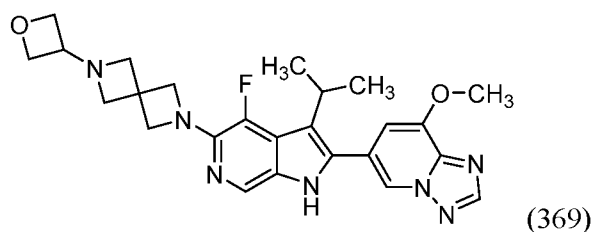
The following Example was prepared according to the general procedure used to prepare Example 367:

Ex. No.	Structure	LCMS (M+H)	RT	HPLC method
368		495.3	1.453	D4

15

EXAMPLE 369

6-(4-fluoro-3-isopropyl-5-(6-(oxetan-3-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine



6-(4-fluoro-3-isopropyl-5-(6-(oxetan-3-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (8.2 mg, 0.017 mmol, 23.88 % yield) was prepared as described in the preparation of Example 42 using

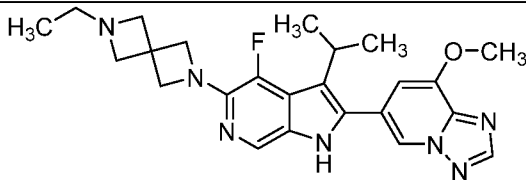
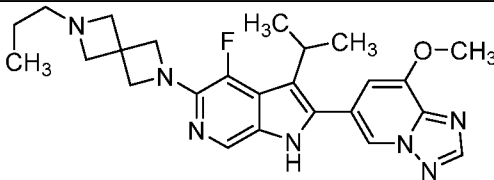
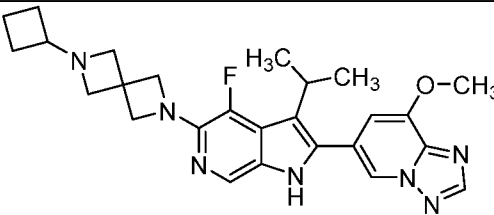
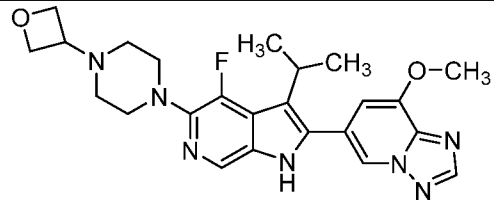
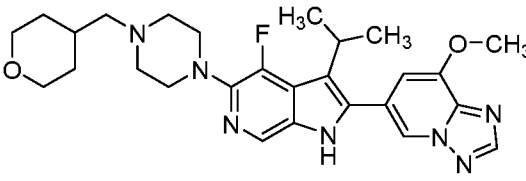
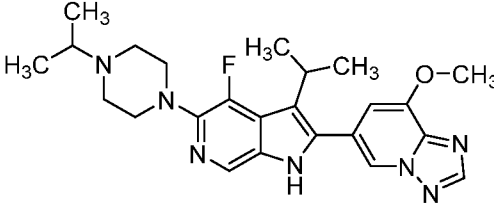
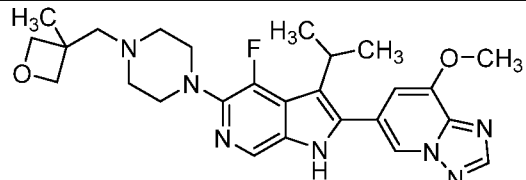
5 6-(4-fluoro-3-isopropyl-5-(2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (30 mg, 0.071 mmol) and oxetan-3-one (10.26 mg, 0.142 mmol) as the starting intermediates. LCMS retention time 1.410 min [P]. MS m/z : 478.2 [M+H]⁺; ¹H NMR (400 MHz, DMSO- d_6) δ = 11.62 (s, 1H), 8.69 (d, J = 0.7 Hz, 1H), 8.55 (s, 1H), 8.22 (d, J = 2.0 Hz, 1H), 7.17 (s, 1H), 4.55 (t, J = 6.5 Hz,

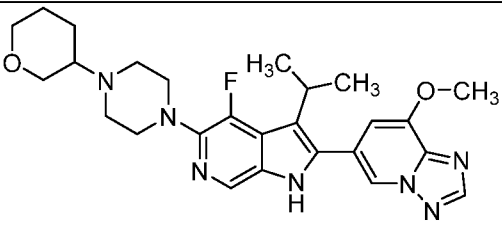
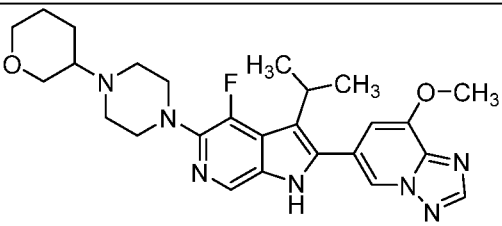
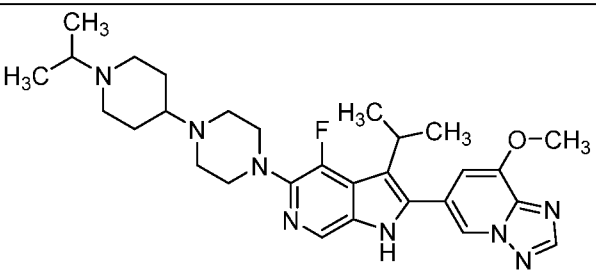
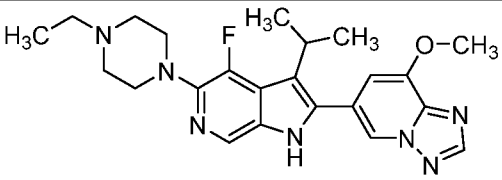
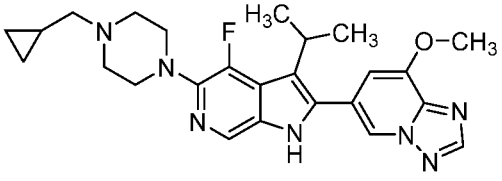
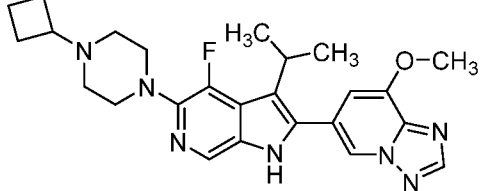
10 2H), 4.35 (t, J = 5.7 Hz, 2H), 4.07 (s, 7H), 3.73-3.64 (m, 1H), 3.39 (s, 4H), 3.25 (dt, J = 4.6, 6.8 Hz, 1H), 1.33 (d, J = 7.1 Hz, 6H).

The following Examples were prepared according to the general procedure used to prepare Example 369:

Ex. No.	Structure	LCMS (M+H)	RT	HPLC method
370		506.2	1.429	D4
371		520.3	1.402	D4

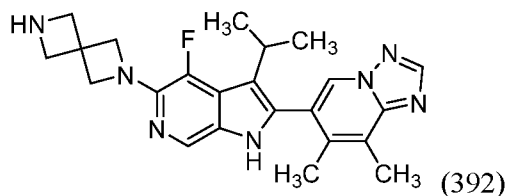
372		478.3	1.415	D4
373		464.3	1.282	D4
374		476.3	1.332	D4
375		490.3	1.494	D4
376		506.3	1.459	D4
377		547.4	1.318	D4
378		436.2	1.166	D4

379		450.2	1.240	D4
380		464.2	1.376	D4
381		476.2	1.467	D4
382		466.3	11.642	D4
383		508.3	11.872	D4
384		452.3	11.619	D4
385		494.3	11.847	D4

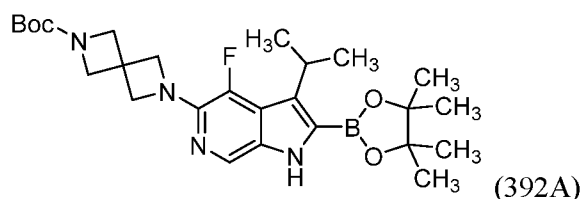
386	 Isomer-1	494.3	11.661	D4
387	 Isomer-2	494.3	11.663	D4
388		535.3	11.302	D4
389		438.3	11.401	D4
390		464.2	11.607	D4
391		464.2	11.722	D4

EXAMPLE 392

6-(4-fluoro-3-isopropyl-5-(2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine

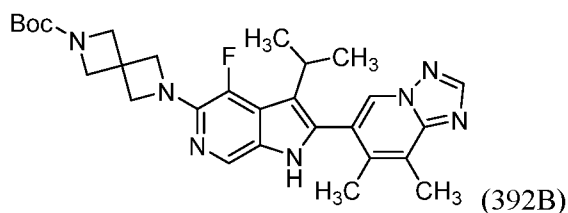


Intermediate 392A: tert-butyl 6-(4-fluoro-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptane-2-carboxylate



tert-Butyl 5-(6-(tert-butoxycarbonyl)-2,6-diazaspiro[3.3]heptan-2-yl)-4-fluoro-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (2.3 g, 3.83 mmol) was placed in a sealed tube and heated at 160 °C for 15 min. LCMS retention time 1.33 min [L]. MS (E⁻) *m/z*: 501.4 (M+H).

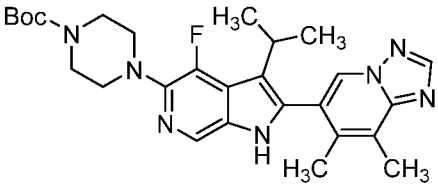
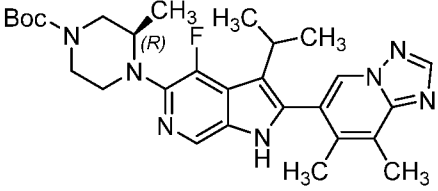
Intermediate 392B: tert-butyl 6-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptane-2-carboxylate



To a solution of tert-butyl 6-(4-fluoro-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptane-2-carboxylate (1.9 g, 3.80 mmol) and 6-bromo-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (0.944 g, 4.18 mmol) in mixture of THF (30 mL) and water (3 mL) was added tripotassium phosphate (2.015 g, 9.49 mmol). The reaction mixture was purged with nitrogen for 5 mins, then chloro(2-dicyclohexylphosphino-2',4',6'-triisopropyl-1,1'-

biphenyl)[2-(2'-amino-1,1'-biphenyl)]palladium(II) (0.299 g, 0.380 mmol) was added. The reaction mixture was purged again for 2 mins and then heated in a sealed tube at 75 °C for 1 h. The reaction mixture was filtered through Celite and diluted with EtOAc (50 mL) and washed with water (10 mL), and brine solutions (10 mL). The organic layer was
 5 dried over Na₂SO₄, filter and concentrated to give crude compound which was purified over silica gel eluting 5% MeOH in DCM. LCMS retention time 0.93 min [L]. MS (E⁻) *m/z*: 520.3 (M+H).

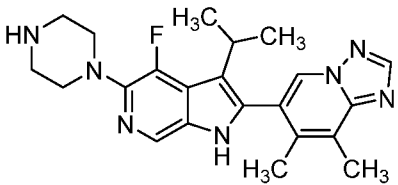
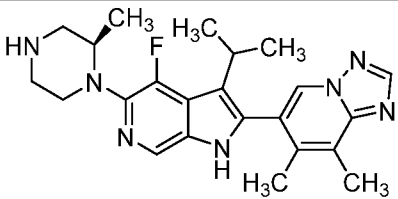
The following Intermediates were prepared according to the general procedure
 10 used to prepare Intermediate 392B:

Int. No.	structure	LCMS (M+H)	RT	HPLC method
393B		508.2	3.411	D
394B		522.4	2.05	L

Example 392:

6-(4-fluoro-3-isopropyl-5-(2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (0.79 g, 1.751 mmol, 79 %
 15 yield) was prepared as described in the preparation of Example 4 using tert-butyl 6-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptane-2-carboxylate (1.15 g, 2.213 mmol) as the starting intermediate. LCMS retention time 1.163 min [D4]. MS (E⁻) *m/z*: 420.1 (M+H).
¹H NMR (400 MHz, DMSO-d₆) δ ppm 11.38-11.56 (m, 1 H) 8.88 (s, 1 H) 8.50 (s, 1 H)
 20 8.12-8.22 (m, 1 H) 4.01-4.15 (m, 4 H) 3.76 (s, 4 H) 2.81 (td, J=7.09, 3.67 Hz, 1 H) 2.59 (s, 3 H) 2.11-2.17 (m, 3 H) 1.77 (s, 1 H) 1.23 (br t, J=6.72 Hz, 6 H).

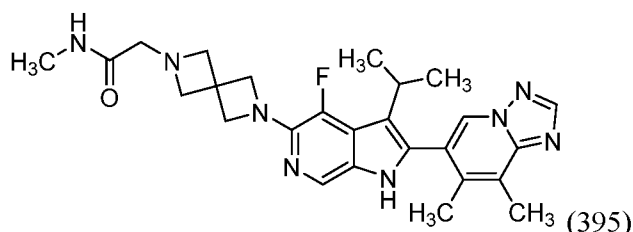
The following Examples were prepared according to the general procedure used to prepare Example 392:

Ex. No.	Structure	LCMS (M+H)	RT	HPLC method
393		408.3	1.356	D4
394		507.9	1.92	L

5

EXAMPLE 395

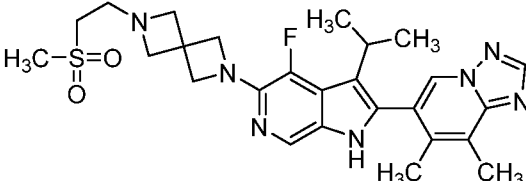
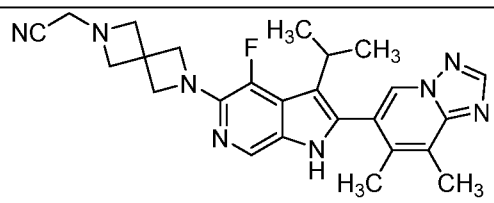
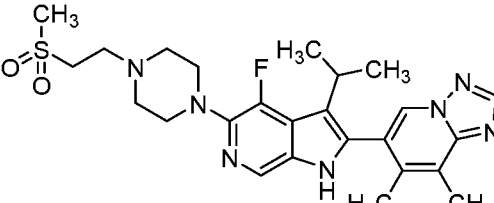
2-(6-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-N-methylacetamide



2-(6-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-N-methylacetamide (3.9 mg, 7.95 μ mol, 11 % yield) was prepared as described in the preparation of Example 2 using 6-(4-fluoro-3-isopropyl-5-(2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (30 mg, 0.072 mmol) and 2-chloro-N-methylacetamide (11.54 mg, 0.107 mmol) as the starting intermediates. LCMS retention time 1.057min [D4]. MS m/z : 491.3 [M+H]⁺; ¹H NMR (400 MHz, DMSO-*d*₆) δ ppm 11.44 (d, J =0.98 Hz, 1 H) 8.88 (s, 1 H) 8.50 (s, 1 H) 8.18 (d, J =1.96 Hz, 1 H) 7.67-7.77 (m, 1 H) 4.02-4.13 (m, 4H) 3.50-3.61 (m, 3 H) 3.11-3.21 (m, 2 H) 2.81 (dtd, J =13.72,

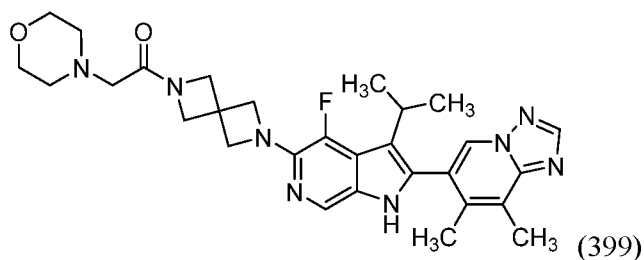
6.89, 6.89, 3.79 Hz, 1 H) 2.58-2.63 (m, 6 H) 2.55 (s, 1 H) 2.14 (s, 3 H) 1.23 (t, $J=6.60$ Hz, 6H).

The following Examples were prepared according to the general procedure used to
5 prepare Example 395:

Ex. No.	Structure	LCMS (M+H)	RT	HPLC method
396		526.2	1.486	D4
397		459.2	1.609	D4
398		514.3	1.709	D4

EXAMPLE 399

1-(6-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-2-morpholinoethan-1-one



10

1-(6-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-2-morpholinoethan-1-one

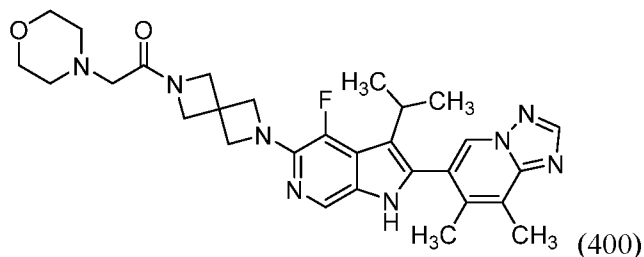
(9.5 mg, 0.017 mmol, 23.6 % yield) was prepared as described in the preparation of Example 5 using 6-(4-fluoro-3-isopropyl-5-(2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (30 mg, 0.072 mmol) and 2-morpholinoacetic acid (15.57 mg, 0.107 mmol) as the starting intermediates.

- 5 LCMS retention time 1.470 min [P]. MS m/z : 547.3 [M+H]⁺; ¹H NMR (400 MHz, DMSO-*d*₆) δ ppm 11.46 (d, J =1.71 Hz, 1 H) 8.89 (s, 1 H) 8.50 (s, 1 H) 8.19 (d, J =1.96 Hz, 1 H) 4.40 (s, 2 H) 4.05-4.18 (m, 6 H) 3.56-3.63 (m, 4 H) 2.94-3.03 (m, 2 H) 2.76-2.86 (m, 1 H) 2.60 (s, 3 H) 2.39-2.47 (m, 4 H) 2.14 (s, 3 H) 1.20-1.27 (m, 6 H).

10

EXAMPLE 400

6-(4-fluoro-3-isopropyl-5-(6-(oxetan-3-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine



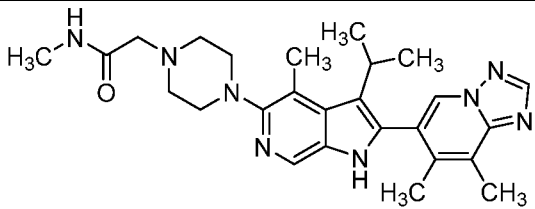
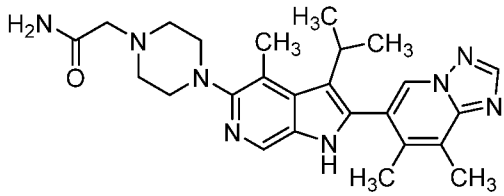
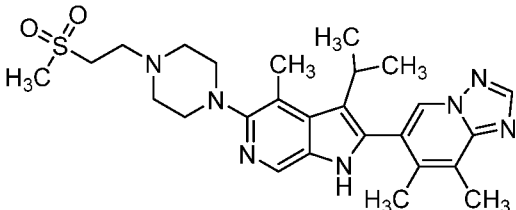
- 6-(4-fluoro-3-isopropyl-5-(6-(oxetan-3-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (10.4 mg, 0.021 mmol, 28.7 % yield) was prepared as described in the preparation of Example 42 using 6-(4-fluoro-3-isopropyl-5-(2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (30 mg, 0.072 mmol) and oxetan-3-one (10.31 mg, 0.143 mmol) as the starting intermediates. LCMS retention time 1.498 min [D4].
- 20 MS m/z : 476.2 [M+H]⁺; ¹H NMR (400 MHz, DMSO-*d*₆) δ ppm 11.41-11.50 (m, 1 H) 8.89 (s, 1 H) 8.50 (s, 1 H) 8.17-8.23 (m, 1 H) 4.73-4.79 (m, 1 H) 4.53-4.64 (m, 2 H) 4.33-4.43 (m, 2 H) 4.03-4.11 (m, 3 H) 3.91-3.98 (m, 1 H) 3.65-3.76 (m, 1 H) 3.41 (br s, 3 H) 2.76-2.87 (m, 1 H) 2.59 (s, 3 H) 2.14 (s, 3 H) 1.23 (br t, J =6.60 Hz, 6 H).

- 25 The following Examples were prepared according to the general procedure used to prepare Example 400:

Ex. No.	Structure	LCMS (M+H)	RT	HPLC method
401		504.3	1.511	D4
402		476.3	1.586	D4
403		462.3	1.128	D4
404		488.3	1.623	D4
405		504.3	1.608	D4
406		545.3	1.408	D4

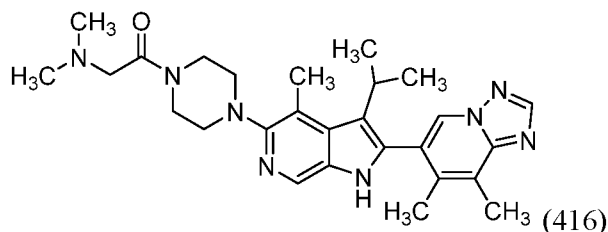
The following Examples were prepared according to the general procedure used to prepare Example 352

188

413		475.3	1.542	D4
414		461.3	1.480	D4
415		510.2	2.176	D

EXAMPLE 416

1-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-2-(dimethylamino)ethan-1-one



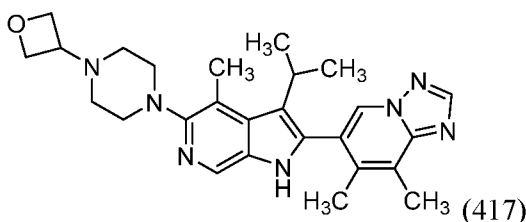
5

1-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-2-(dimethylamino)ethan-1-one (10 mg, 0.020 mmol, 16.35 % yield) was prepared as described in the preparation of Example 5 using 6-(3-isopropyl-4-methyl-5-(piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (50 mg, 0.124 mmol) and dimethylglycine (25.6 mg, 0.248 mmol) as the starting intermediates. LCMS retention time 1.939 min [D]. MS *m/z*: 489.2 [M+H]⁺; ¹H NMR (400 MHz, DMSO-d₆) δ 11.30 (s, 1H), 8.85 (s, 1H), 8.46 (s, 1H), 8.29 (s, 1H), 3.99-4.16 (m, 1H), 3.56-3.83 (m, 4H), 3.05-3.22 (m, 3H), 2.80-3.03 (m, 6H), 2.63-2.71 (m, 5H), 2.30 (t, *J*=2.01 Hz, 1H), 2.20 (s, 3H), 2.08 (s, 3H), 1.19 (d, *J*=7.03 Hz, 3H), 0.98 (d, *J*=7.03 Hz, 3H).

15

EXAMPLE 417

6-(3-isopropyl-4-methyl-5-(4-(oxetan-3-yl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine



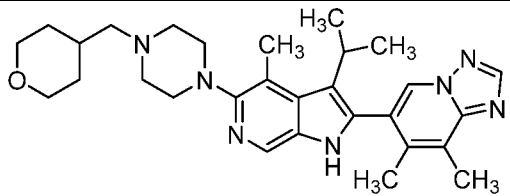
5

6-(3-isopropyl-4-methyl-5-(4-(oxetan-3-yl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (16.3 mg, 0.033 mmol, 66.8 % yield) was prepared as described in the preparation of Intermediate 2C with 6-(3-isopropyl-4-methyl-5-(piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (20 mg, 0.050 mmol) and oxetan-3-one (14.29 mg, 0.198 mmol) the starting intermediate. LCMS retention time 1.652 min [D4]. MS m/z : 460.3 $[M+H]^+$; 1H NMR (400MHz, DMSO- d_6) δ = 12.02-11.82 (m, 1H), 8.95 (s, 1H), 8.52 (s, 1H), 8.49 (s, 1H), 4.86-4.76 (m, 4H), 4.54-4.42 (m, 1H), 3.87 (br d, $J=4.9$ Hz, 1H), 3.37-3.26 (m, 8H), 2.71 (s, 3H), 2.61 (s, 3H), 2.14-2.07 (m, 3H), 1.24 (d, $J=7.1$ Hz, 3H), 1.02 (d, $J=7.1$ Hz, 3H).

15

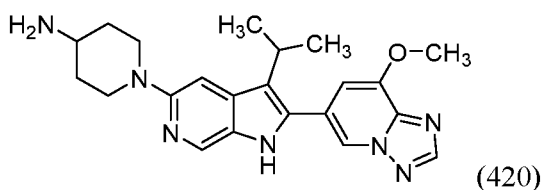
The following Examples were prepared according to the general procedure used to prepare Example 417:

Ex. No.	Structure	LCMS (M+H)	RT	HPLC method
418		488.3	1.630	D4

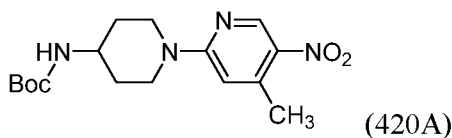
419		502.3	1.790	D4
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EXAMPLE 420

1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-amine

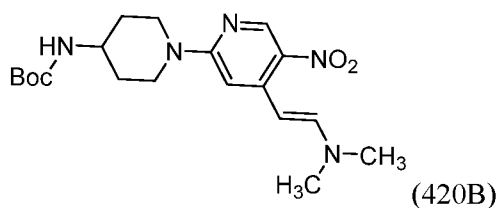


Intermediate 420A: tert-butyl (1-(4-methyl-5-nitropyridin-2-yl)piperidin-4-yl)carbamate



tert-butyl (1-(4-methyl-5-nitropyridin-2-yl)piperidin-4-yl)carbamate (1 g, 2.91 mmol, 63.2 % yield) was prepared as described in the preparation of Intermediate 6A using 2-bromo-4-methyl-5-nitropyridine (1 g, 4.61 mmol) and tert-butyl piperidin-4-ylcarbamate (0.923 g, 4.61 mmol) as starting material. LCMS retention time 1.41 min [B]. MS (E^-) m/z : 335.5 (M-H).

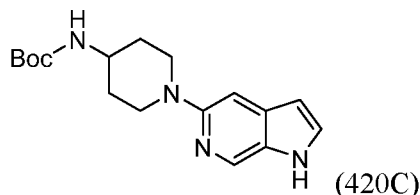
Intermediate 420B: tert-butyl(E)-(1-(4-(2-(dimethylamino)vinyl)-5-nitropyridin-2-yl)piperidin-4-yl)carbamate



(E)-tert-butyl (1-(4-(2-(dimethylamino)vinyl)-5-nitropyridin-2-yl)piperidin-4-yl)carbamate (13 g, 31.9 mmol, 46 % yield) was prepared as described in the preparation of Intermediate 6B using tert-butyl (1-(4-methyl-5-nitropyridin-2-yl)piperidin-4-yl)

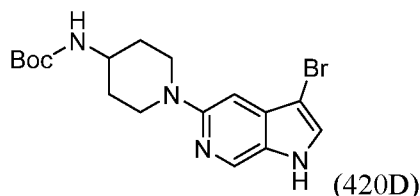
carbamate (23 g, 68.4 mmol) and 1,1-dimethoxy-N,N-dimethylmethanamine (45.8 mL, 342 mmol) as the starting intermediates. LCMS retention time 1.38 min [B], MS (E^+) m/z : 392.6 (M+H).

- 5 Intermediate 420C: tert-butyl (1-(1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl) carbamate



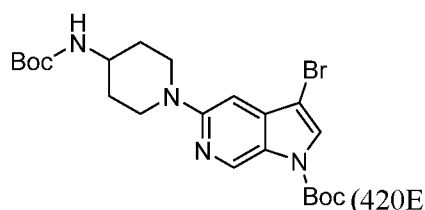
- tert-butyl (1-(1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)carbamate (13 g, 27.5 mmol, 71.8 % yield) was prepared as described in the preparation of intermediate 6C using tert-butyl (E)-tert-butyl 4-(4-(2-(dimethylamino)vinyl)-5-nitropyridin-2-yl) piperazine-1-carboxylate (15 g, 39.7 mmol) as the starting intermediate. LCMS retention time 1.04 min [B], MS m/z : 317.5 (M+H).
- 10

Intermediate 420D: tert-butyl (1-(3-bromo-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl) carbamate



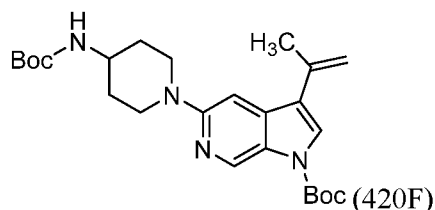
- tert-butyl (1-(3-bromo-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)carbamate (3 g, 7.59 mmol, 80% yield) was prepared as described in the preparation of Intermediate 6D using tert-butyl (1-(1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)carbamate (3 g, 9.48 mmol) as the starting intermediate. LCMS retention time 1.28 min [B], MS (E^-) m/z : 397.4 (M+2H).
- 15
- 20

Intermediate 420E: tert-butyl 3-bromo-5-(4-((tert-butoxycarbonyl)amino)piperidin-1-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



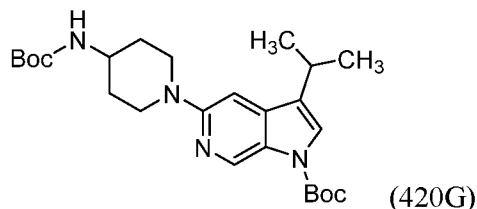
tert-butyl 3-bromo-5-(4-((tert-butoxycarbonyl)amino)piperidin-1-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (2g, 4.04 mmol, 80% yield) was prepared as described in the preparation of Intermediate 6E using tert-butyl (1-(3-bromo-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl) carbamate (2 g, 5.06 mmol) as the starting intermediate. LCMS retention time 1.64 min [B], MS (E^-) m/z : 495.3 (M+H).

Intermediate 420F: tert-butyl 5-(4-((tert-butoxycarbonyl)amino)piperidin-1-yl)-3-(prop-1-en-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



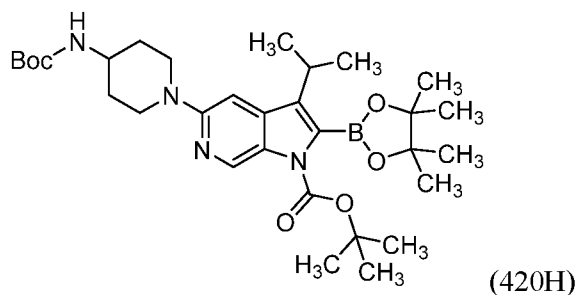
tert-butyl 5-(4-((tert-butoxycarbonyl)amino)piperidin-1-yl)-3-(prop-1-en-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (1.6 g, 3.50 mmol, 83 % yield) was prepared as described in the preparation of Intermediate 6F using tert-butyl 3-bromo-5-(4-((tert-butoxycarbonyl)amino)piperidin-1-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (2.1 g, 4.24 mmol) as the starting intermediate. LCMS retention time 1.30 min [B], MS (E^-) m/z : 457.3 (M+H).

Intermediate 420G: tert-butyl 5-(4-((tert-butoxycarbonyl)amino)piperidin-1-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



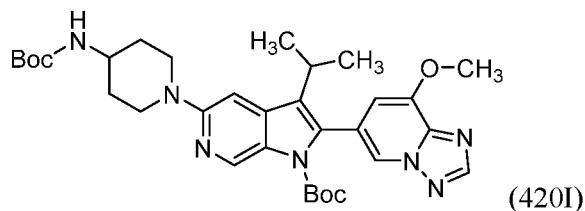
tert-butyl 5-(4-((tert-butoxycarbonyl)amino)piperidin-1-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (1.6 g, 3.49 mmol, 88 % yield) was prepared as described in the preparation of Intermediate 6G using tert-butyl 5-(4-((tert-butoxycarbonyl)amino)piperidin-1-yl)-3-(prop-1-en-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (1.8 g, 3.94 mmol) as the starting intermediate. LCMS retention time 1.78 min [B], MS (E^+) m/z : 459.6 (M+H).

Intermediate 420H: tert-butyl 5-(4-((tert-butoxycarbonyl)amino)piperidin-1-yl)-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



tert-butyl 5-(4-((tert-butoxycarbonyl) amino)piperidin-1-yl)-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (280 mg, 0.053 mmol, 4.03 % yield) was prepared as described in the preparation of Intermediate 6I using tert-butyl 5-(4-((tert-butoxycarbonyl)amino)piperidin-1-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (600 mg, 1.308 mmol) as the starting intermediate. LCMS retention time 2.10 min [B], MS (E^-) m/z : 586.8 (M+H).

Intermediate 420I: tert-butyl 5-(4-((tert-butoxycarbonyl)amino)piperidin-1-yl)-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate



tert-butyl-5-(4-((tert-butoxycarbonyl)amino)piperidin-1-yl)-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (200 mg, 0.023 mmol) was prepared as described in the preparation of Intermediate 6J using tert-butyl 5-(4-((tert-butoxycarbonyl)amino)piperidin-1-yl)-3-isopropyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (523 mg, 0.895 mmol) and 6-bromo-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (245 mg, 1.074 mmol) as the starting intermediates. LCMS retention time 1.57 min [B], MS (E^-) m/z : 606.6 (M+H).

10 Example 420:

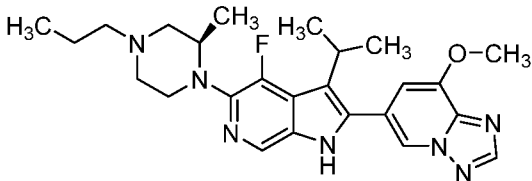
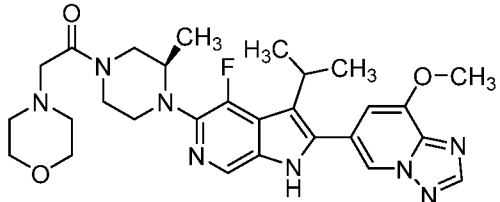
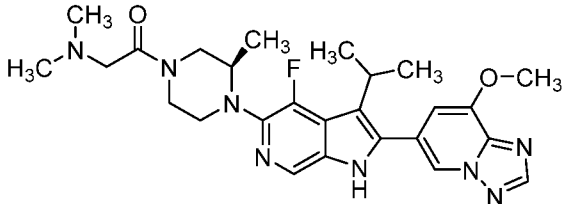
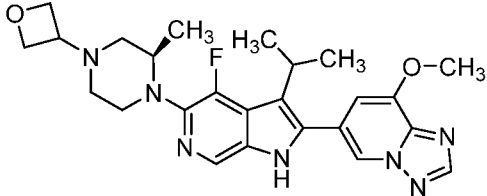
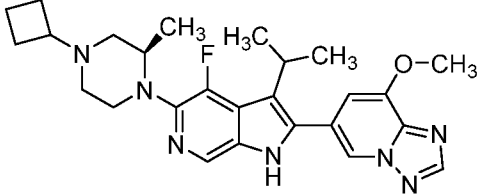
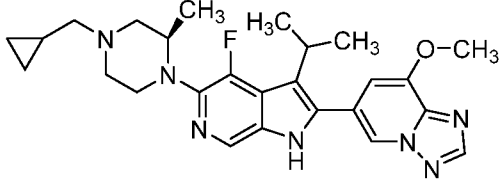
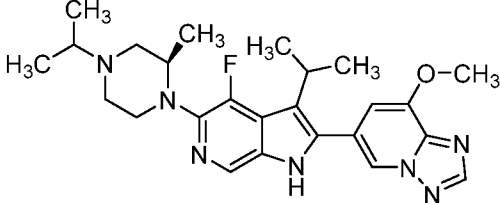
1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-amine (145 mg, 0.318 mmol) was prepared according to the general procedure described in Example 4 using tert-butyl 5-(4-((tert-butoxycarbonyl)amino)piperidin-1-yl)-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridine-1-carboxylate (200 mg, 0.330 mmol) as starting material intermediate. LCMS retention time 0.68 min [B], MS (E^+) m/z : 406.5 (M+H);

The following examples were prepared according to the general procedures described in the above examples.

Ex. No.	Structure	Obs. MS Ion	RT	QC Method
421		535.3	1.59	E
422		493.3	1.41	E

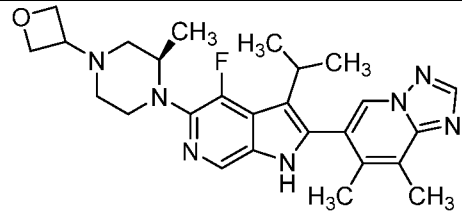
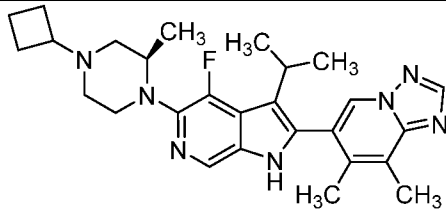
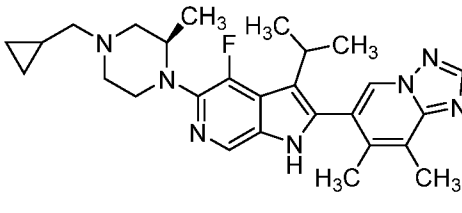
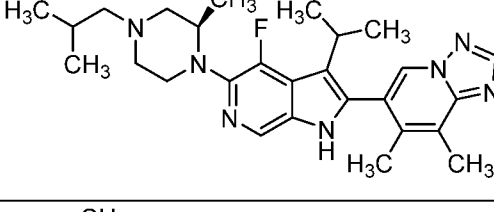
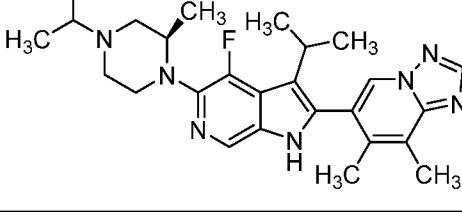
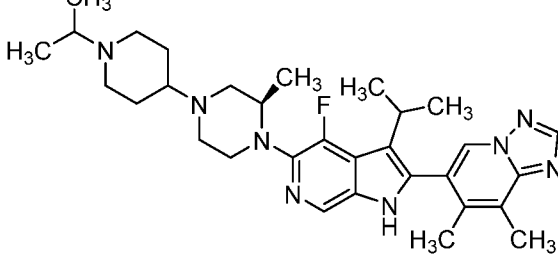
423		535.3	1.56	E
424		466.3	1.66	E
425		486.2	1.67	E
426		480.3	1.11	E
427		450.2	1.55	E
428		493.3	1.57	E
429		465.2	1.43	E

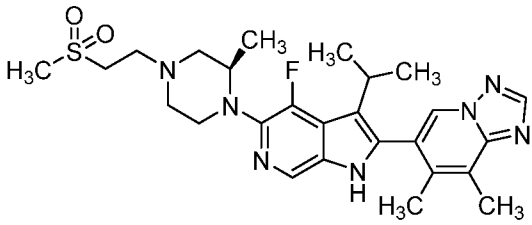
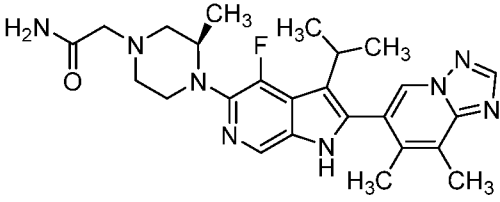
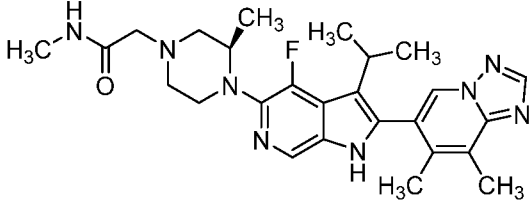
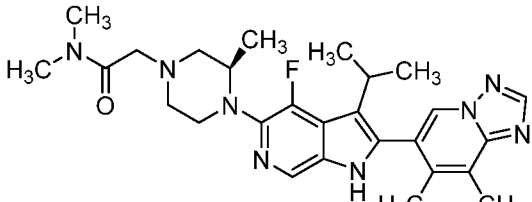
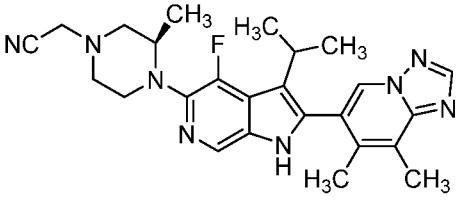
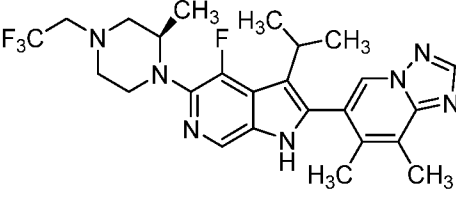
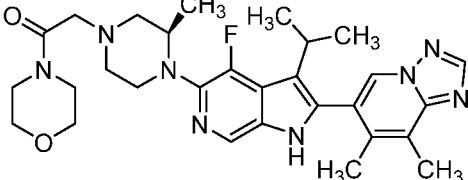
430		462.3	1.75	E
431		492.1	1.64	E
432		478.3	2.51	E
433		436.3	1.54	E
434		502.0	1.95	E
435		505.0	1.34	E
436		438.2	1.39	E

437		466.2	1.64	E
438		551.2	1.49	E
439		509.3	1.31	E
440		480.3	1.56	E
441		478.3	1.82	E
442		478.2	1.63	E
443		466.3	1.52	E

444		482.3	1.57	E
445		495.3	1.45	E
446		509.3	1.53	E
447		481.2	1.38	E
448		551.2	1.48	E
449		506.2	2.03	E
450		530.3	1.52	E

451		549.3	1.35	E
452		508.3	1.54	E
453		480.2	1.98	E
454		436.3	1.51	E
455		464.0	1.78	E
456		506.3	1.68	E

457		478.0	1.65	E
458		476.0	1.9	E
459		476.0	1.77	E
460		478.0	2.14	E
461		464.3	1.61	E
462		547.0	1.45	E

463		528.0	1.08	F
464		479.0	0.99	F
465		493.3	1.03	F
466		507.3	1.61	E
467		461.3	1.72	E
468		504.3	2.18	E
469		549.3	1.6	E

470		507.3	1.43	E
471		549.3	1.61	E
472		480.3	1.12	F

BIOLOGICAL ASSAYS

The pharmacological properties of the compounds of this invention may be confirmed by a number of biological assays. The exemplified biological assays, which
5 follow, have been carried out with compounds of the invention.

TLR7/8/9 Inhibition Reporter Assays

HEK-Blue™-cells (Invivogen) overexpressing human TLR7, TLR8 or TLR9 receptors were used for screening inhibitors of these receptors using an inducible SEAP (secreted embryonic alkaline phosphatase) reporter gene under the control of the IFN-β minimal promoter fused to five NF-κB and AP-1-binding sites. Briefly, cells are seeded into Greiner 384 well plates (15000 cells per well for TLR7, 20,000 for TLR8 and 25,000 for TLR9) and then treated with test compounds in DMSO to yield a final dose response concentration range of 0.05 nM – 50 μM. After a 30 minute compound pre-treatment at room temperature, the cells are then stimulated with a TLR7 ligand (gardiquimod at a final concentration of 7.5 μM), TLR8 ligand (R848 at a final concentration of 15.9 μM) or TLR9 ligand (ODN2006 at a final concentration of 5 nM) to activate NF-κB and AP-1

which induce the production of SEAP. After a 22 hour incubation at 37 °C, 5% CO₂, SEAP levels are determined with the addition of HEK-Blue™ Detection reagent (Invivogen), a cell culture medium that allows for detection of SEAP, according to manufacturer's specifications. The percent inhibition is determined as the % reduction in the HEK-Blue signal present in wells treated with agonist plus DMSO alone compared to wells treated with a known inhibitor.

TABLE 2
TLR7/8/9 Reporter Assay Data
(NT = not tested)

Ex. No.	TLR7 IC ₅₀ (nM)	TLR8 IC ₅₀ (nM)	TLR9 IC ₅₀ (nM)	Ex. No.	TLR7 IC ₅₀ (nM)	TLR8 IC ₅₀ (nM)	TLR9 IC ₅₀ (nM)
1	4.7	89	550	234	13	2.6	733
2	1.6	14	398	235	0.24	1.0	2207
3	3.2	11	1582	236	0.66	1.1	939
4	NT	973	13083	237	1.6	0.95	2072
5	9.5	100	250	238	62	21	28464
6	0.61	1.4	664	239	2.6	2.6	15894
7	1.5	0.56	168	240	0.96	0.39	2777
8	6638	15946	258	241	3.5	11	285
9	551	8225	26	242	11	14	401
10	5.6	19	896	243	0.79	4.8	430
11	1.6	8.3	91	244	8.9	16	583
12	53	273	866	245	6.3	47	257
13	6.5	6.8	2783	246	2.0	17	705
14	3.9	3.4	13016	247	16	10	718
15	3.5	1.6	13498	248	5.7	6.8	396
16	4.7	26	1286	249	12	12	1446
17	1.3	1.6	1861	250	3.2	3.4	4773
18	0.76	2.6	1790	251	15	23	14850

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19	2.0	3.0	1758	252	6.4	5.2	3360
20	2.5	4.3	6546	253	0.97	0.77	2859
21	2.0	2.7	3338	254	1.5	0.55	3011
22	6.2	1.8	4250	255	0.50	0.49	14492
23	2.6	3.4	147	256	1.4	1.2	15352
24	9.7	39	279	257	5.3	6.4	36023
25	2.3	7.2	188	258	0.77	0.35	6015
26	3.1	6.9	633	259	2.1	2.6	16752
27	49	86	477	260	1.4	1.7	837
28	13	26	608	261	0.61	1.1	1271
29	4.3	4.7	1696	262	1.3	4.2	1328
30	4.7	7.7	855	263	1.9	4.1	5654
31	2.1	6.2	132	264	0.69	0.16	1643
32	40	124	279	265	0.36	0.42	1025
33	1.4	6.9	134	266	26	23	2035
34	2.5	2.0	1506	267	6.9	1.9	16699
35	1.7	2.8	154	268	4.8	17	757
36	19	48	208	269	4.4	6.4	205
37	3.3	4.4	409	270	2.6	3.2	392
38	2.8	12	13055	271	1.6	4.2	333
39	6.4	16	5530	272	7.0	22	391
40	9.9	11	8313	273	8.6	16	376
41	36	158	>50000	274	42	35	648
42	1.6	0.59	9177	275	35	37	845
43	1.0	0.60	12749	276	7.7	1.2	114
44	0.63	0.36	2766	277	5.5	13	265
45	2.2	1.9	2766	278	0.79	0.58	1104
46	0.98	1.6	NT	279	0.65	1.5	1111
47	5.2	1.5	2580	280	1.3	1.2	2503
48	12	13	9533	281	16	43	36393

49	0.46	0.62	2426	282	1.1	0.97	1068
50	0.76	0.83	1007	283	0.46	0.27	1617
51	0.74	0.58	2773	284	8.3	14	23513
52	0.98	0.42	1857	285	1.3	1.6	1868
53	0.50	2.0	1391	286	2.2	2.2	2858
54	0.90	0.30	935	287	2.0	16	718
55	1.3	1.3	769	288	27	8.5	2866
56	1.8	1.5	1007	289	3.7	58	14030
57	4.9	19	682	290	20	7.1	>50000
58	60	23	692	291	3.0	4.9	494
59	15	4.7	197	292	7.0	47	303
60	5.0	1.2	502	293	3.1	4.7	29055
61	28	35	346	294	3.0	4.7	7634
62	5.1	21	417	296	3.3	5.4	132
63	11	11	2992	297	>3125	>3125	17861
64	4.2	1.5	2794	298	14	75	459
65	2.2	5.6	3318	299	2.9	25	356
66	2.1	4.9	3623	300	13	1.6	11926
67	9.1	11	5799	301	>3125	>3125	2681
68	NT	NT	5289	302	1586	>3125	>50000
69	0.55	0.55	4053	303	19	12	>50000
70	0.23	0.78	3998	304	1.5	2.2	505
71	0.41	0.65	3608	305	2.5	1.4	2829
72	1.5	1.3	6085	306	3.9	16	786
73	0.87	0.77	2960	307	3.0	0.85	657
74	1.7	0.77	694	308	7.9	25	159
75	2.5	5.6	447	309	7.3	49	133
76	0.58	3.8	959	310	13	32	640
77	2.7	4.5	403	312	8.5	114	920
78	4.3	11	8618	313	2.9	0.27	2416

79	3.0	3.6	842	314	4.3	1.5	3705
80	0.16	0.60	1833	315	7.6	47	166
81	0.15	0.61	2167	316	9.5	33	80
82	0.18	0.36	1465	317	2.1	7.1	34
83	1.3	1.4	9103	318	6.0	21	846
85	2.6	1.1	924	319	12	3.7	14449
86	0.37	0.43	1127	320	4.4	2.0	3007
87	0.33	1.0	701	321	2.8	0.64	1009
88	0.62	0.28	322	322	2.1	0.23	1452
89	6.5	4.9	435	323	4.5	20	258
90	20	31	1395	324	3.0	20	283
91	40	27	676	325	2.4	12	512
92	34	32	548	326	14	78	1218
93	18	37	2826	327	7.1	17	771
95	41	35	1383	328	11	60	1392
96	24	7.7	294	329	7.5	7.4	647
97	2.5	7.4	1080	330	1.1	5.5	255
98	4.7	14	1199	331	263	637	3304
99	0.49	0.41	3976	332	7.7	56	154
100	0.80	0.25	2336	333	5.4	4.3	1061
101	1.2	0.66	4137	334	0.35	1.4	452
102	0.34	0.24	2824	335	4.3	42	669
103	0.86	0.48	5916	336	8.8	36	3997
104	3.6	1.7	5296	337	3.9	4.0	777
105	0.22	0.59	2249	338	3.4	30	1109
106	4.9	5.0	1946	339	12	28	677
107	3.6	4.5	2055	340	1274	708	11475
108	2.1	4.0	2764	341	3.2	21	1031
109	0.61	1.7	1665	342	3.8	8.3	224
110	2.0	1.3	1163	343	28	190	217

111	1.0	0.48	2999	344	1.7	3.5	257
112	1.6	2.3	1880	345	11	13	712
113	0.72	0.57	510	346	3.3	14	750
114	4.8	6.6	17394	347	3.9	30	790
115	1.4	2.4	15793	348	3.5	9.0	468
116	10	42	766	349	1.1	3.6	344
117	28	41	868	350	1.4	4.7	1082
118	8.6	1.4	294	351	11	5.4	345
119	8.1	11	558	352	14	0.73	19800
120	2.3	2.0	71	353	0.61	1.4	2526
121	2.7	5.9	759	354	1.6	9.9	3432
122	14	10	400	355	33	22	5593
123	26	31	1113	356	15	6.1	18544
124	0.38	0.65	905	357	21	10	37404
125	3.1	6.5	7031	358	3.6	3.8	>50000
126	8.2	3.2	2531	359	2.5	2.7	>50000
127	47	150	>50000	360	2.9	1.5	23031
128	1.9	1.4	2477	361	3.8	0.76	4852
129	0.75	0.15	5903	362	4.9	4.0	NT
130	1.3	0.76	5250	363	NT	3.7	43685
131	5.0	7.9	11424	364	2.7	0.38	8704
132	3.4	5.0	2130	365	0.42	0.51	1490
133	0.52	1.2	1356	366	3.8	39	16209
134	0.98	0.27	1025	367	159	52	>50000
135	0.24	0.48	6501	368	1.3	2.3	5886
136	0.41	0.32	620	369	27	23	>50000
137	0.63	0.90	3163	370	19	174	10349
138	0.26	0.49	1904	371	9.0	5.9	5477
139	1.1	1.0	1029	372	7.9	440	5441
140	0.53	1.4	3047	373	8.1	7.1	5815

141	27	25	482	374	6.0	39	5470
142	13	39	282	375	17	>3125	7209
143	33	33	683	376	9.5	>3125	6005
144	14	14	1252	377	16	16	1413
145	9.1	11	506	378	6.0	3.4	5108
146	1.1	0.46	6659	379	4.0	2.3	3632
147	0.62	0.27	2059	380	5.6	7.8	1479
148	1.1	1.7	1171	381	9.9	11	2579
149	3.6	5.1	13082	382	4.5	18	>50000
150	3.4	5.3	6057	383	2.7	0.31	5394
151	1.1	4.4	768	384	0.96	0.55	3263
152	5.0	6.4	4090	385	4.1	1.4	42122
153	8.8	5.2	3826	386	26	6.8	>50000
154	4.0	4.4	1225	387	33	13	>50000
155	7.3	5.0	6312	388	2.7	0.81	1892
156	0.79	0.26	6429	389	1.1	0.38	6162
157	0.80	0.51	4178	390	2.3	0.15	4062
158	1.4	2.1	17503	391	1.4	0.90	4046
159	3.4	4.5	455	392	24	13	8839
160	0.56	0.57	1279	393	1.4	0.51	8732
161	2.4	4.6	293	394	1.6	1.0	13706
162	1.3	1.0	2152	395	44	6.6	17520
163	0.39	0.87	1321	396	99	19	>50000
164	6.2	4.6	1800	397	48	30	43179
165	0.40	0.62	905	398	7.2	1.9	46809
166	0.41	0.18	3343	399	409	4.1	>50000
167	2.6	0.49	4329	400	82	1.6	>50000
168	3.6	4.5	17459	401	27	4.4	6437
169	0.36	0.33	1731	402	30	4.4	5969
170	0.42	0.71	2291	403	25	1.7	9265

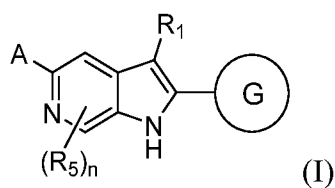
171	0.43	0.12	1964	404	32	4.0	5807
172	4.4	0.75	2652	405	46	15	17055
173	1.5	0.54	653	406	8.4	4.8	937
174	0.78	0.67	7716	407	47	828	35363
175	23	6.4	7938	408	16	61	12421
176	16	18	325	409	2.5	3.4	>50000
177	8.7	4.0	549	410	15	1.3	>50000
178	7.0	2.7	321	411	9.6	0.18	11154
179	20	7.0	486	412	6.7	0.29	5739
180	1.3	9.6	664	413	29	6.1	>50000
181	1.5	5.0	6552	414	41	6.2	>50000
182	3.8	11	18769	415	26	5.2	>50000
183	1.8	3.4	2446	416	10	1.7	1729
184	1.9	7.9	1871	417	16	13	>50000
185	6.2	7.8	1553	418	19	2.2	6014
186	12	6.6	26512	419	32	1.4	5905
187	2.1	2.0	1526	421	16	12	>50000
188	1.6	0.21	5163	422	3.1	2.0	6817
189	20	16	30736	423	5.4	0.59	42520
190	0.77	0.22	874	424	6.3	0.39	17690
191	0.91	1.1	3501	425	13	17	>50000
192	5.3	3.9	3143	426	30	0.54	>50000
193	0.84	0.40	1252	427	35	37	>50000
194	5.3	2.6	575	428	12	1.1	39542
195	5.2	3.0	577	429	9.3	2.3	>50000
196	3.0	1.1	2079	430	5.9	0.27	6111
197	0.30	0.44	1572	431	3.5	0.32	8176
198	2.4	2.6	1151	432	102	2.7	>50000
199	0.83	2.0	1211	433	3.0	0.32	6914
200	3.0	1.1	8782	434	90	48	>50000

201	0.49	0.52	1788	436	1.8	5.1	10338
202	0.35	1.2	2459	437	2.6	6.4	7666
203	27	9.3	513	438	25	13	>50000
204	6.6	3.1	466	439	7.1	4.3	11236
205	1.2	0.55	600	440	11	62	>50000
206	9.2	13	260	441	4.0	11	7321
207	5.3	7.7	437	442	2.5	7.1	7489
208	12	16	276	443	4.0	9.3	6551
209	29	97	1078	444	5.0	6.7	19901
210	34	6.6	1080	445	13	25	>50000
211	41	44	2253	446	18	21	>50000
212	1.6	3.8	2082	447	11	32	>50000
213	1.5	3.0	517	448	28	22	>50000
214	7.5	16	2071	449	37	171	>50000
215	4.2	3.7	1996	450	12	39	>50000
216	14	12	4647	451	2.6	5.7	792
217	3.4	4.4	7599	452	4.8	11	12564
218	0.82	0.60	4744	453	16	34	>50000
219	0.85	0.56	1893	454	0.05	0.05	10860
220	0.74	0.35	4536	455	0.59	0.17	14561
221	1.1	0.70	2574	456	5.7	1.6	16284
222	3.2	2.7	5774	457	3.2	2.5	21953
223	2.7	2.4	1110	458	2.5	1.2	16792
224	0.40	0.62	679	459	1.6	0.54	13834
225	4.0	1.4	4699	460	10	4.4	>50000
226	0.51	0.73	1292	461	5.4	1.5	9015
227	1.9	2.6	4322	462	1.1	1.5	1974
228	1.5	2.6	812	463	9.0	5.2	38772
229	8.7	4.2	1458	464	7.3	2.6	43951
230	0.41	0.77	1703	465	8.5	3.1	47913

231	5.9	6.6	4167	466	16	2.5	47526
232	11	3.2	4496	467	2.8	1.4	17054
233	2.7	3.6	1161	468	43	50	>50000
234	13	2.6	733	469	13	3.5	47935
235	0.24	1.0	2207	470	4.9	0.49	15491
236	0.66	1.1	939	471	27	2.7	>50000
237	1.6	0.95	2072	472	5.3	0.92	46640

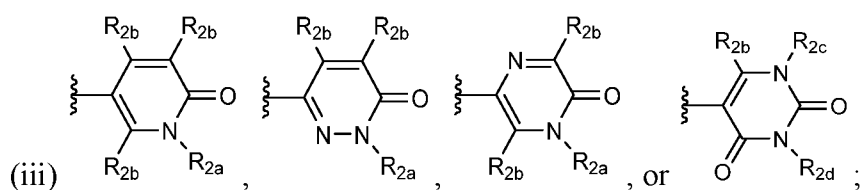
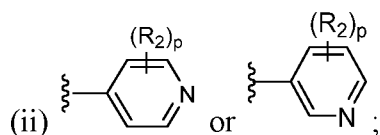
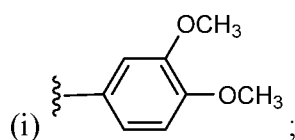
CLAIMS

1. A compound of Formula (I)



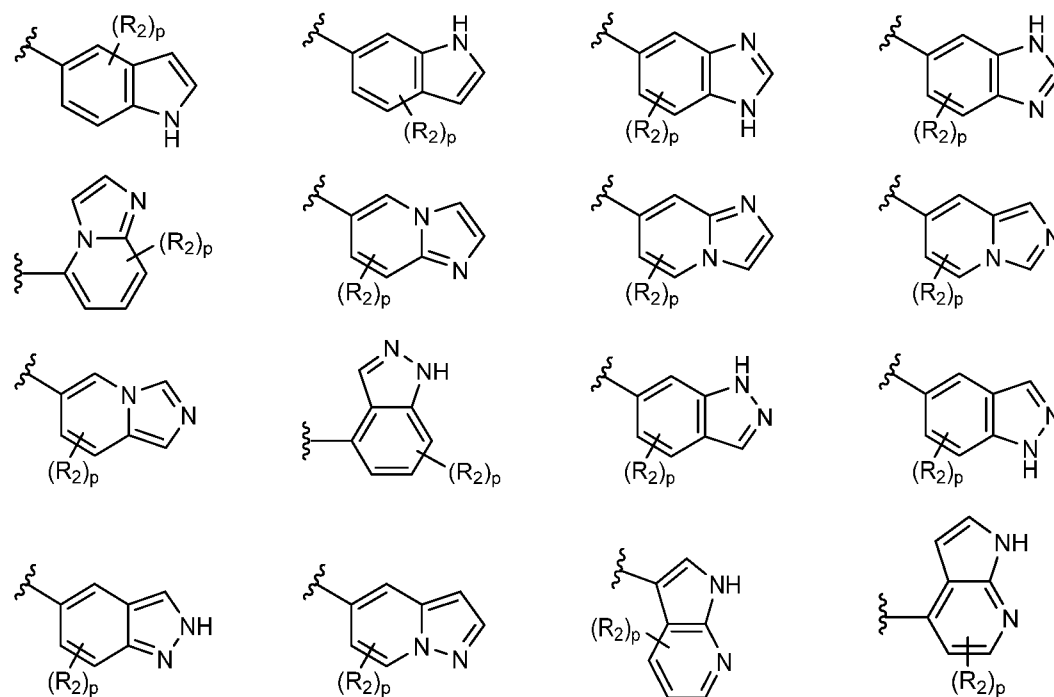
N-oxide, or a salt thereof, wherein:

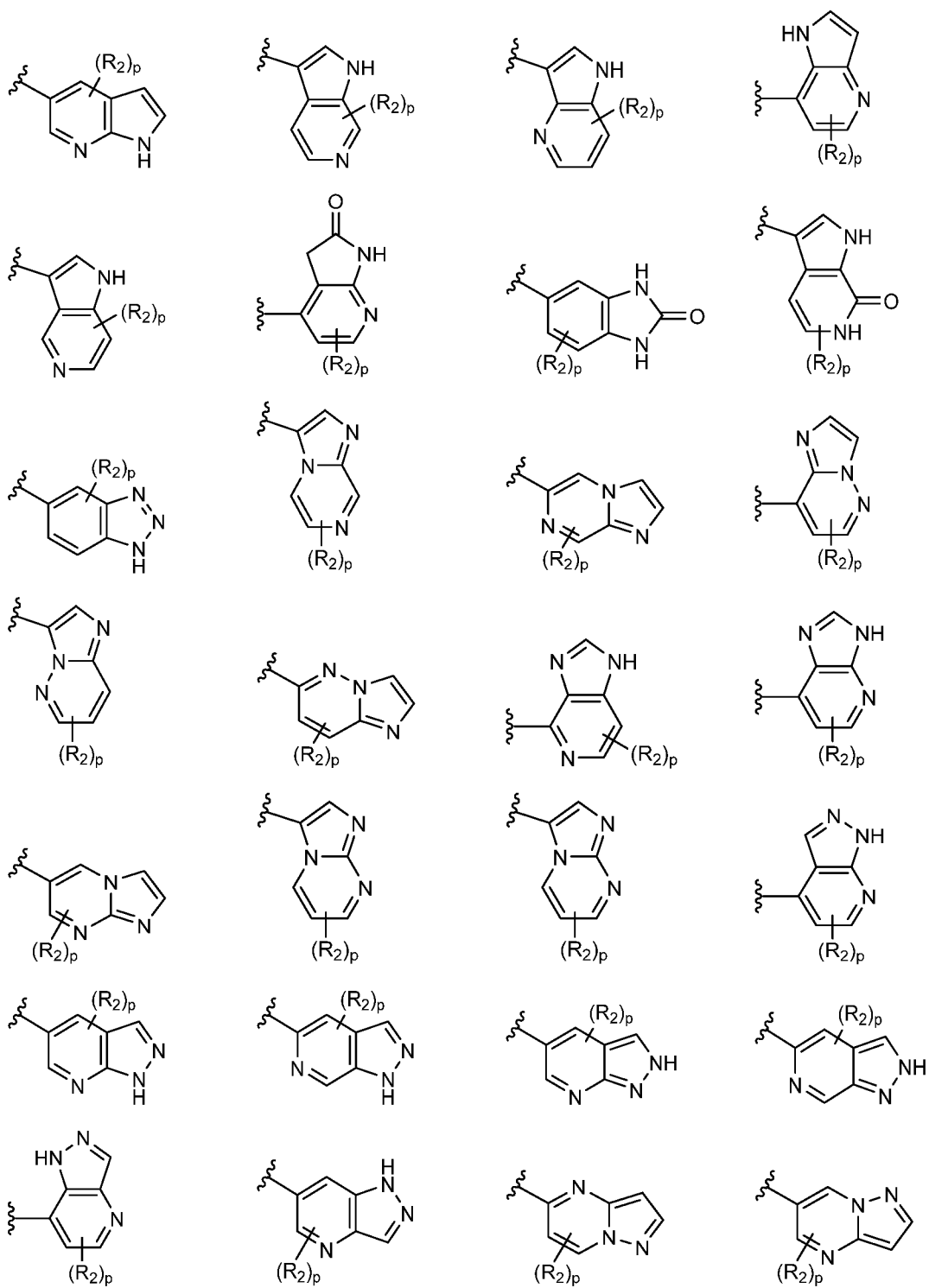
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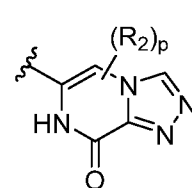
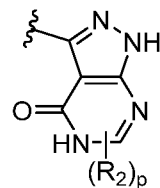
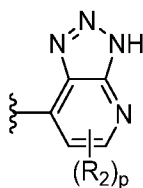
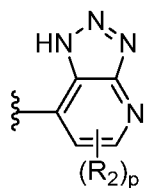
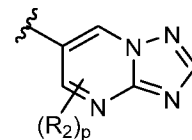
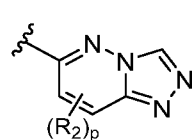
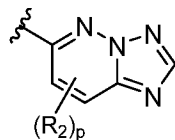
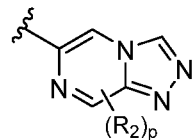
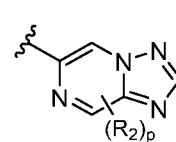
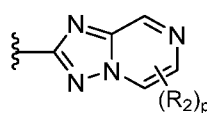
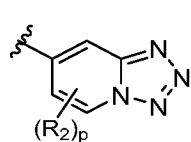
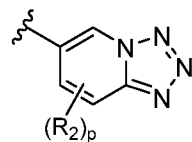
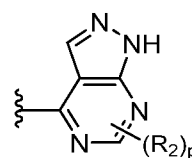
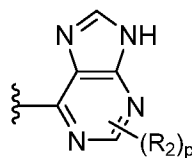
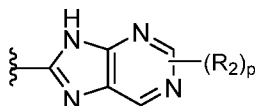
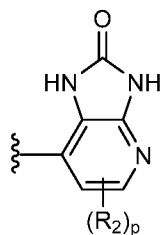
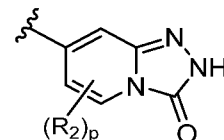
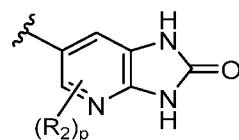
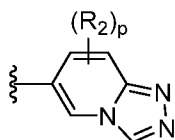
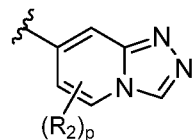
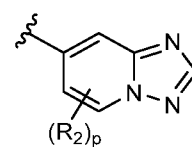
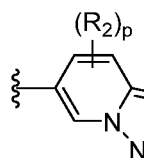
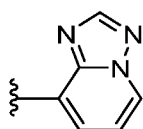
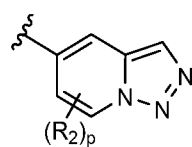
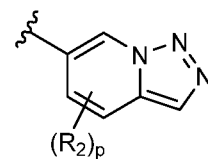
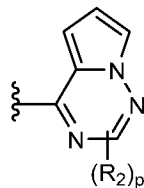
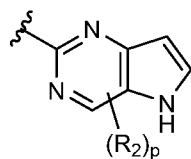
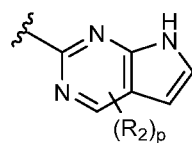
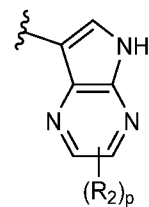
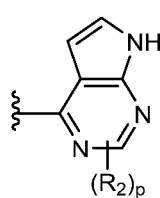
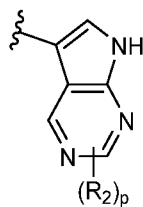
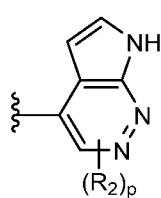


(iv) a 9-membered heterocyclic ring selected from:

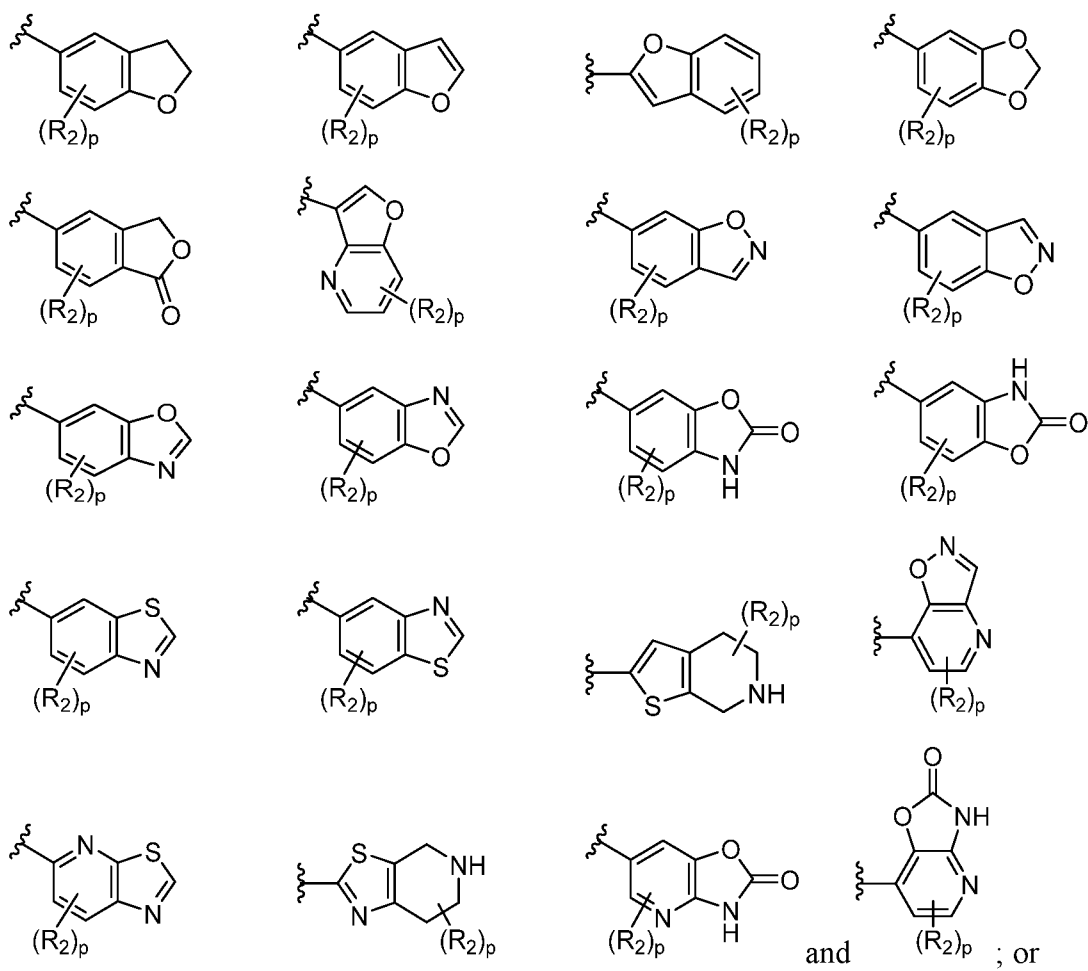
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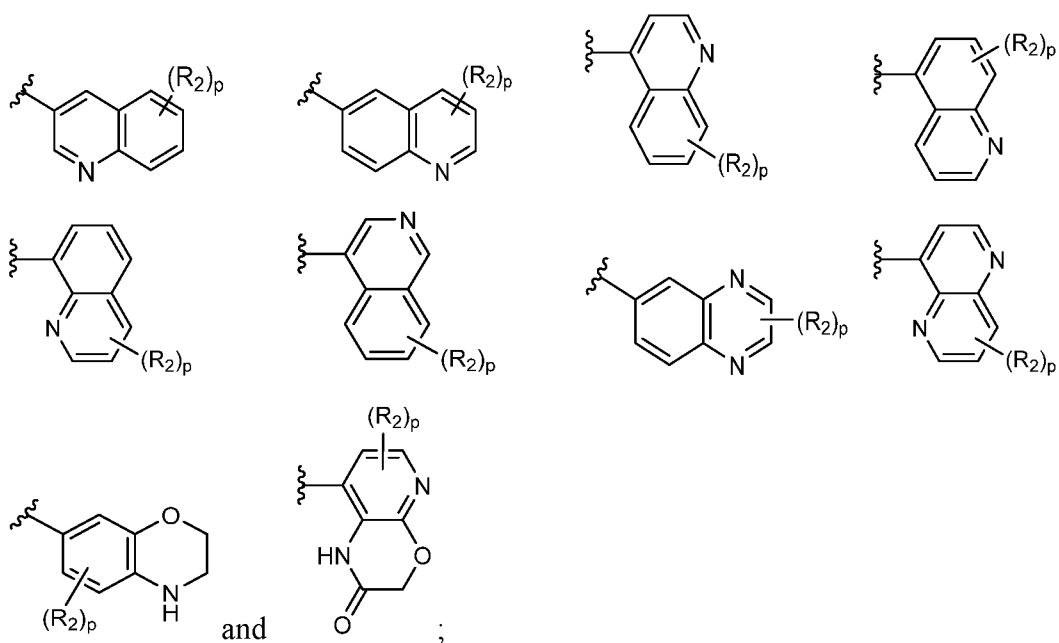




5



(v) 10-membered heterocyclic ring selected from:



A is:

(i) $-O-L_1-R_6$;

(ii) $-NR_7R_8$;

(iii) $-L_2-C(O)NR_9R_{10}$;

5 (iv) $-(CR_xR_x)_{1-3}R_{11}$, C_{1-3} aminoalkyl, $-(CR_xR_x)_{1-3}NR_xC(O)R_{11}$,

$-(CR_xR_x)_{1-2}NR_xC(O)(CH_2)_{1-2}(\text{piperidinyl})$,

$-(CR_xR_x)_{1-2}NR_xC(O)O(CH_2)_{1-2}(\text{piperidinyl})$, or

$-(CR_xR_x)_{1-2}NR_xC(O)(CH_2)_{1-2}NR_xR_x$;

(v) $-CR_xR_{12}R_{13}$, wherein R_{12} and R_{13} together with the carbon atom to which they are

10 attached form a cyclic group selected from azabicyclo[4.1.1]octanyl, azepanyl, azetidiny, C_{3-7} cycloalkyl, diazepanyl, diazaspiro[4.5]decanonyl, morpholinyl, octahydrocyclopenta[c]pyrrolyl, piperazinyl, piperidinyl, pyrrolidinyl, and quinuclidinyl, each substituted with zero to 4 R_{12a} ;

(vi) $-CR_x=CR_x(\text{piperidinyl})$; or

15 (vii) an aromatic group selected from [1,2,4]triazolo[1,5-a]pyridinyl,

imidazo[1,2-a]pyridinyl, imidazolyl, indazolyl, isoquinolinyl, oxadiazolyl, oxazolyl,

phenyl, pyrazinyl, pyrazolo[3,4-b]pyridinyl, pyrazolyl, pyridazinyl, pyridinyl,

pyrimidinyl, pyrrolyl, quinolinonyl, quinolinyl, quinoxalinyl, tetrahydro-

[1,2,4]triazolo[1,5-a]pyrazinyl, tetrahydroimidazo[1,2-a]pyrazinyl,

20 tetrahydroisoquinolinyl, tetrahydrothiazolo[5,4-c]pyridinyl,

tetrahydrothieno[2,3-c]pyridinyl, thiadiazolyl, thiazolyl, thiooxadiazolyl, and

triazolyl, each substituted with zero to 2 R_{14a} and zero to 3 R_{14b} ;

L_1 is bond, $-(CR_xR_x)_{1-2}-$, $-(CR_xR_x)_{1-2}CR_x(OH)-$, $-(CR_xR_x)_{1-2}O-$, $-CR_xR_xC(O)-$,

$-CR_xR_xC(O)NR_x(CR_xR_x)_{0-4}-$, $-CR_xR_xNR_xC(O)(CR_xR_x)_{0-4}-$, or

25 $-CR_xR_xNR_xC(O)(CR_xR_x)_{0-4}-$;

L_2 is a bond or $-(CR_xR_x)_{1-3}-$;

R_1 is H, Cl, $-CN$, C_{1-4} alkyl, C_{1-3} fluoroalkyl, C_{1-3} hydroxyalkyl, C_{1-3} hydroxy-

fluoroalkyl, $-CR_v=CH_2$, C_{3-6} cycloalkyl, $-CH_2(C_{3-6}$ cycloalkyl), $-C(O)O(C_{1-3}$ alkyl),

or tetrahydropyranyl;

each R_2 is independently halo, $-\text{CN}$, $-\text{OH}$, $-\text{NO}_2$, C_{1-4} alkyl, C_{1-2} fluoroalkyl, C_{1-2}

cyanoalkyl, C_{1-3} hydroxyalkyl, C_{1-3} aminoalkyl, $-\text{O}(\text{CH}_2)_{1-2}\text{OH}$, $-(\text{CH}_2)_{0-4}\text{O}(\text{C}_{1-4}$

alkyl), C_{1-3} fluoroalkoxy, $-(\text{CH}_2)_{1-4}\text{O}(\text{C}_{1-3}$ alkyl), $-\text{O}(\text{CH}_2)_{1-2}\text{OC}(\text{O})(\text{C}_{1-3}$ alkyl),

$-\text{O}(\text{CH}_2)_{1-2}\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{O}(\text{C}_{1-3}$ alkyl), $-(\text{CH}_2)_{0-2}\text{C}(\text{O})\text{NR}_y\text{R}_y$, $-\text{C}(\text{O})\text{NR}_x(\text{C}_{1-5}$

5 hydroxyalkyl), $-\text{C}(\text{O})\text{NR}_x(\text{C}_{2-6}$ alkoxyalkyl), $-\text{C}(\text{O})\text{NR}_x(\text{C}_{3-6}$ cycloalkyl), $-\text{NR}_y\text{R}_y$,

$-\text{NR}_y(\text{C}_{1-3}$ fluoroalkyl), $-\text{NR}_y(\text{C}_{1-4}$ hydroxyalkyl), $-\text{NR}_x\text{CH}_2(\text{phenyl})$,

$-\text{NR}_x\text{S}(\text{O})_2(\text{C}_{3-6}$ cycloalkyl), $-\text{NR}_x\text{C}(\text{O})(\text{C}_{1-3}$ alkyl), $-\text{NR}_x\text{CH}_2(\text{C}_{3-6}$ cycloalkyl),

$-(\text{CH}_2)_{0-2}\text{S}(\text{O})_2(\text{C}_{1-3}$ alkyl), $-(\text{CH}_2)_{0-2}(\text{C}_{3-6}$ cycloalkyl), $-(\text{CH}_2)_{0-2}(\text{phenyl})$,

morpholinyl, dioxothiomorpholinyl, dimethyl pyrazolyl, methylpiperidinyl,

10 methylpiperazinyl, amino-oxadiazolyl, imidazolyl, triazolyl, or $-\text{C}(\text{O})(\text{thiazolyl})$;

R_{2a} is C_{1-6} alkyl, C_{1-3} fluoroalkyl, C_{1-6} hydroxyalkyl, C_{1-3} aminoalkyl, $-(\text{CH}_2)_{0-4}\text{O}(\text{C}_{1-3}$

alkyl), C_{3-6} cycloalkyl, $-(\text{CH}_2)_{1-3}\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{CH}_2(\text{C}_{3-6}$ cycloalkyl), $-\text{CH}_2(\text{phenyl})$,

tetrahydrofuranyl, tetrahydropyranyl, or phenyl;

each R_{2b} is independently H, halo, $-\text{CN}$, $-\text{NR}_x\text{R}_x$, C_{1-6} alkyl, C_{1-3} fluoroalkyl, C_{1-3}

15 hydroxyalkyl, C_{1-3} fluoroalkoxy, $-(\text{CH}_2)_{0-2}\text{O}(\text{C}_{1-3}$ alkyl), $-(\text{CH}_2)_{0-3}\text{C}(\text{O})\text{NR}_x\text{R}_x$,

$-(\text{CH}_2)_{1-3}(\text{C}_{3-6}$ cycloalkyl), $-\text{C}(\text{O})\text{O}(\text{C}_{1-3}$ alkyl), $-\text{C}(\text{O})\text{NR}_x(\text{C}_{1-3}$ alkyl),

$-\text{CR}_x=\text{CR}_x\text{R}_x$, or $-\text{CR}_x=\text{CH}(\text{C}_{3-6}$ cycloalkyl);

R_{2c} is R_{2a} or R_{2b} ;

R_{2d} is R_{2a} or R_{2b} ; provided that one of R_{2c} and R_{2d} is R_{2a} , and the other of R_{2c} and R_2 is

20 R_{2b} ;

each R_5 is independently F, Cl, $-\text{CN}$, C_{1-3} alkyl, C_{1-2} fluoroalkyl, or $-\text{OCH}_3$;

R_6 is:

(i) $-\text{CR}_x\text{R}_x\text{C}(\text{O})\text{NR}_x(\text{CR}_x\text{R}_x)_{1-3}\text{OH}$, $-\text{CR}_x\text{R}_x\text{C}(\text{O})\text{NR}_x(\text{CR}_x\text{R}_x)_{1-2}\text{NR}_x\text{R}_x$, or

$-\text{CR}_x\text{R}_x\text{C}(\text{O})\text{NR}_x(\text{CR}_x\text{R}_x)_{1-2}\text{CHF}\text{CR}_x\text{R}_x\text{OH}$; or

25 (ii) azabicyclo[3.2.1]octanyl, azaspiro[5.5]undecanyl, azetidiny, C_{3-6} cycloalkyl,

diazabicyclo[2.2.1]heptanyl, diazasp[3.5]nonanyl, morpholinyl,

tetrahydrofuranyl, tetrahydropyranyl, octahydrocyclopenta[c]pyrrolyl,

piperazinyl, piperidinyl, pyrrolidinyl, or quinuclidinyl, each substituted with zero

to 3 R_{6a} ;

each R_{6a} is independently F, Cl, $-OH$, $-CN$, C_{1-6} alkyl, C_{1-4} fluoroalkyl, C_{1-6}

hydroxyalkyl, $-(CH_2)_{1-2}O(C_{1-3} \text{ alkyl})$, $-NR_xR_x$, $-(CH_2)_{1-2}NR_xR_x$,
 $-(CR_xR_x)_{1-2}S(O)_2(C_{1-3} \text{ alkyl})$, $-(CR_xR_x)_{1-2}C(O)NR_xR_x$, $-C(O)(CR_xR_x)_{1-2}NR_xR_x$,
 oxetanyl, tetrahydrofuranyl, tetrahydropyranyl, azetidiny, pyrrolidinyl, piperidinyl,
 5 isobutylpiperidinyl, piperazinyl, or $-O(\text{piperidinyl})$;

R_7 is:

(i) R_{7a} , $-CH_2R_{7a}$, $-C(O)R_{7a}$, $-C(O)CH(NH_2)R_{7a}$, $-C(O)(CH_2)_{1-3}NH_2$,
 $-C(O)CH(NH_2)(C_{1-4} \text{ alkyl})$, $-C(O)CH(NH_2)(CH_2)_{1-2}C(O)OH$,
 $-C(O)CH(NH_2)(CH_2)_{2-4}NH_2$, or $-C(O)CH(NH_2)(CH_2)_{1-3}C(O)NH_2$; or

10 (ii) C_{3-6} cycloalkyl substituted with one substituent selected from
 $-NR_x(CH_2)_{2-3}NR_yR_y$, $-NR_x(\text{methylpiperidinyl})$, $-NR_x(CH_2)_{2-3}(\text{morpholinyl})$,
 dimethylamino piperidinyl, and piperazinyl substituted with a substituent selected
 from C_{1-4} alkyl, $-C(O)CH_3$, $-(CH_2)_{1-2}OCH_3$, $-CH_2(\text{methylphenyl})$,
 $-(CH_2)_{2-3}(\text{pyrrolidinyl})$, C_{3-6} cycloalkyl, pyridinyl, and methylpiperidinyl;

15 R_{7a} is azaspiro[3.5]nonanyl, C_{3-6} cycloalkyl, diazaspiro[3.5]nonanyl,
 diazaspiro[5.5]undecanyl, diazepanonyl, diazepanyl, morpholinyl, phenyl,
 piperazinyl, piperidinyl, pyrrolidinonyl, pyrrolidinyl, or pyrrolyl, each substituted
 with zero to 1 substituent selected from C_{1-3} alkyl, $-NH_2$, methylpiperidinyl,
 methylpyrrolidinyl, $-OCH_2CH_2(\text{pyrrolidinyl})$, and $-OCH_2CH_2NHCH_2CH_3$; and zero
 20 to 4 substituents selected from $-CH_3$;

R_{7b} is:

(i) C_{1-6} alkyl, C_{1-3} fluoroalkyl, C_{1-3} cyanoalkyl, C_{1-5} hydroxyalkyl, $-(CH_2)_{2-3}C\equiv CH$,
 $-(CH_2)_{1-2}O(C_{1-2} \text{ alkyl})$, $-(CH_2)_{1-2}S(O)_2(C_{1-2} \text{ alkyl})$, $-(CH_2)_{0-3}NR_xR_y$,
 $-CH_2C(O)NR_xR_x$, $-NR_yR_y$, $-NR_x(C_{1-4} \text{ hydroxyalkyl})$, $-NR_x(CR_xR_xCR_xR_xO(C_{1-2}$
 25 $\text{alkyl}))$, $-NR_y(C_{1-2} \text{ cyanoalkyl})$, $-NR_x(C_{1-2} \text{ fluoroalkyl})$, $-NR_x(C_{2-6}$
 hydroxyfluoroalkyl), $-NR_x(CH_2)_{1-2}C(O)NR_xR_x$, $-NR_x(CH_2)_{1-3}NR_xR_x$,
 $-NR_xCH_2CH_2NR_xR_x$, $-NR_xC(O)(CH_2)_{1-2}NR_xR_x$, $-O(CH_2)_{1-3}NR_xR_x$, $-C(O)(C_{1-4}$

alkyl, $-\text{C}(\text{O})\text{CH}_2\text{NR}_x\text{R}_x$, $-\text{S}(\text{O})_2(\text{C}_{1-3} \text{ alkyl})$, $-(\text{CH}_2)_{1-2}\text{R}_{7d}$, $-\text{CR}_x\text{R}_x\text{C}(\text{O})\text{R}_{7d}$,
 $-\text{C}(\text{O})\text{CR}_x\text{R}_x\text{R}_{7d}$, $-\text{NHR}_{7d}$, $-\text{NH}(\text{CH}_2)_{1-2}\text{R}_{7d}$, or $-\text{OR}_{7d}$; or

(ii) azepanyl, azetidiny, C_{3-6} cycloalkyl, diazepanyl, dioxothiomorpholinyl,
 morpholinyl, oxazaspiro[3.3]heptanyl, oxetanyl, piperazinonyl, piperazinyl,
 5 piperidiny, pyridiny, pyrrolidinonyl, pyrrolidinyl, tetrahydrofuranyl,
 tetrahydroisoquinolinyl, or tetrahydropyranyl, each substituted with zero to 1 R_{8a}
 and zero to 3 R_{8b} ;

each R_{7c} is independently F, Cl, $-\text{CN}$, C_{1-2} alkyl, $-\text{CF}_3$, or $-\text{CH}_2\text{CN}$;

R_{7d} is azaspiro[3.5]nonanyl, bicyclo[1.1.1]pentanyl, C_{3-6} cycloalkyl, morpholinyl,
 10 oxetanyl, phenyl, piperidiny, pyrazolyl, pyrrolidinyl, tetrahydrofuranyl, or
 tetrahydropyranyl, each substituted with zero to 1 substituent selected from C_{1-3} alkyl,
 $-\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{CH}_3$, methylpiperidiny, methylpyrrolidinyl, tetramethylpiperidiny,
 $-\text{OCH}_2\text{CH}_2(\text{pyrrolidinyl})$, and $-\text{OCH}_2\text{CH}_2\text{NHCH}_2\text{CH}_3$; and zero to 4 substituents
 selected from $-\text{CH}_3$;

15 R_8 is H or C_{1-3} alkyl;

or R_7 and R_8 together with the nitrogen atom to which they are attached form a
 heterocyclic ring selected from azetidiny, diazapanonyl, diazepanyl,
 diazaspiro[3.3]heptanyl, diazaspiro[3.5]nonanyl, diazaspiro[5.5]undecanyl,
 imidazolyl, imidazolidinonyl, octahydro-1H-pyrrolo[3,4-b]pyridiny, piperazinyl,
 20 piperidiny, pyrrolidinonyl, pyrrolidinyl, and pyrrolyl, wherein said heterocyclic ring
 is substituted with zero to 1 R_{7b} and zero to 2 R_{7c} ;

R_{8a} is $-\text{OH}$, C_{1-6} alkyl, C_{1-4} fluoroalkyl, C_{1-4} hydroxyalkyl, $-(\text{CH}_2)_{1-2}\text{O}(\text{C}_{1-3} \text{ alkyl})$,
 $-\text{C}(\text{O})(\text{C}_{1-3} \text{ alkyl})$, $-(\text{CH}_2)_{1-2}(\text{C}_{3-6} \text{ cycloalkyl})$, $-(\text{CH}_2)_{1-3}(\text{methyl phenyl})$,
 $-(\text{CH}_2)_{1-3}(\text{pyrrolidinyl})$, $-(\text{CH}_2)_{1-3}(\text{methylpyrazolyl})$, $-(\text{CH}_2)_{1-3}(\text{thiophenyl})$,
 25 $-\text{NR}_x\text{R}_x$, C_{3-6} cycloalkyl, methylpiperidiny, pyridiny, or pyrimidinyl;

each R_{8b} is independently F, Cl, $-\text{CN}$, C_{1-3} alkyl, or $-\text{CF}_3$;

R_9 is C_{1-6} alkyl, C_{1-6} hydroxyalkyl, C_{1-6} hydroxy fluoroalkyl, C_{1-3} aminoalkyl,
 $-(\text{CH}_2)_{1-2}\text{O}(\text{C}_{1-3} \text{ alkyl})$, $-(\text{CH}_2)_{1-3}\text{NR}_x\text{R}_x$, $-(\text{CH}_2)_{1-2}\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-(\text{CH}_2)_{1-3}\text{S}(\text{O})_2\text{OH}$,
 $-(\text{CR}_x\text{R}_x)_{1-3}\text{NR}_x\text{S}(\text{O})_2(\text{C}_{1-2} \text{ alkyl})$, or $-(\text{CH}_2)_{0-3}\text{R}_{9a}$;

R_{9a} is C₃₋₇ cycloalkyl, furanyl, phenyl, piperazinyl, piperidinyl, pyrazolyl, pyridinyl, pyrrolidinyl, quinuclidinyl, thiazolyl, or octahydrocyclopenta[c]pyrrolyl, each substituted with zero to 3 substituents independently selected from F, Cl, -OH, C₁₋₄ alkyl, C₁₋₃ hydroxyalkyl, C₁₋₃ hydroxy fluoroalkyl, C₁₋₃ aminoalkyl, -NR_yR_y,
 5 oxetanyl, phenyl, piperazinyl, piperidinyl, and pyrrolidinyl;

R₁₀ is H, C₁₋₄ alkyl, -(CH₂)₁₋₃O(C₁₋₂ alkyl), or C₃₋₆ cycloalkyl;

or R₉ and R₁₀ together with the nitrogen atom to which they are attached form a heterocyclic ring selected from azabicyclo[3.1.1]heptanyl, azaspiro[5.5]undecanyl, diazabicyclo[2.2.1]heptanyl, diazabicyclo[3.1.1]heptanyl,
 10 diazabicyclo[3.2.0]heptanyl, diazaspiro[3.5]nonanyl, diazaspiro[4.4]nonanyl, diazaspiro[4.5]decanyl, diazepanyl, indolinyl, morpholinyl, octahydropyrrolo[3,4-c]pyrrolyl, piperazinonyl, piperazinyl, piperidinyl, and pyrrolidinyl, each substituted with zero to 3 R_{10a};

each R_{10a} is independently C₁₋₄ alkyl, C₁₋₄ hydroxyalkyl, -(CH₂)₁₋₃O(C₁₋₃ alkyl),
 15 -(CH₂)₁₋₃NR_xR_x, -(CH₂)₁₋₂C(O)NR_xR_x, -(CH₂)₁₋₂(methyltriazolyl), -CH₂CH₂(phenyl), -CH₂CH₂(morpholinyl), -C(O)(C₁₋₂ alkyl), -C(O)NR_yR_y, -C(O)CH₂NR_yR_y, -NR_yR_y, -NHC(O)(C₁₋₃ alkyl), -C(O)(furanyl), -O(piperidinyl), -C(O)CH₂(diethylcarbamoylpiperidinyl), methylpiperazinyl, piperidinyl, methylpiperidinyl, diethylcarbamoylpiperidinyl, isopropylpiperidinyl, pyridinyl,
 20 trifluoromethylpyridinyl, pyrimidinyl, or dihydrobenzo[d]imidazolonyl;

R₁₁ is azetidiny, azaspiro[3.5]nonanyl, dioxidothiomorpholinyl, hexahydropyrrolo[3,4-c]pyrrolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, or pyrrolidinyl, each substituted with zero to 3 substituents independently selected from halo, -CN, C₁₋₄ alkyl, C₁₋₃ aminoalkyl, -(CH₂)₁₋₂(phenyl), -C(O)CH₂NR_xR_x, C₁₋₅
 25 hydroxyalkyl, -(CH₂)₁₋₂C(O)NR_xR_x, -(CH₂)₁₋₂S(O)₂(C₁₋₃ alkyl), -(CH₂)₁₋₂S(O)(C₁₋₃ alkyl), oxetanyl, tetrahydrofuranyl, and tetrahydropyranyl;

each R_{12a} is independently F, Cl, -OH, C₁₋₆ alkyl, C₁₋₄ fluoroalkyl, C₁₋₄ cyanoalkyl, C₁₋₆ hydroxyalkyl, -(CH₂)₁₋₂O(C₁₋₃ alkyl), -(CH₂)₁₋₂C(O)NR_xR_x, -(CH₂)₁₋₂S(O)₂(C₁₋₂ alkyl), -(CH₂)₁₋₂NR_xHS(O)₂(C₁₋₂ alkyl), -(CH₂)₁₋₂NR_xR_x, C₁₋₃ alkoxy, -NR_yR_y,

$-\text{NR}_x(\text{C}_{1-4} \text{ fluoroalkyl}), -\text{NR}_x(\text{C}_{1-2} \text{ cyanoalkyl}), -\text{NR}_x\text{CH}_2\text{NR}_x\text{R}_x, -\text{NR}_x(\text{C}_{1-4}$
 $\text{hydroxyalkyl}), -\text{NR}_x(\text{C}_{2-6} \text{ hydroxyfluoroalkyl}), -\text{NR}_x(\text{CR}_x\text{R}_x\text{CR}_x\text{R}_x)\text{O}(\text{C}_{1-3} \text{ alkyl}),$
 $-\text{NR}_x(\text{C H}_2\text{C}(\text{O})\text{NR}_x\text{R}_x), -\text{NR}_x(\text{C}_{1-3} \text{ alkoxy}), -\text{NR}_x\text{CH}_2\text{CH}_2\text{S}(\text{O})_2(\text{C}_{1-2} \text{ alkyl}),$
 $-\text{NR}_x\text{C}(\text{O})\text{CH}_3, -\text{NR}_x\text{C}(\text{O})(\text{C}_{1-2} \text{ fluoroalkyl}), -\text{NR}_x\text{C}(\text{O})\text{CR}_x\text{R}_x\text{NR}_x\text{R}_x,$
5 $-\text{NR}_x\text{C}(\text{O})\text{CH}_2\text{NR}_y\text{R}_y, -\text{NR}_x\text{C}(\text{O})\text{CH}_2\text{NR}_x(\text{C}_{1-4} \text{ hydroxyalkyl}),$
 $-\text{NR}_x(\text{CH}_2)_{1-2}\text{C}(\text{O})\text{NR}_x\text{R}_x, -\text{NR}_x\text{S}(\text{O})_2(\text{C}_{1-2} \text{ alkyl}), -\text{C}(\text{O})(\text{C}_{1-5} \text{ alkyl}),$
 $-\text{C}(\text{O})(\text{CH}_2)_{1-3}\text{O}(\text{C}_{1-2} \text{ alkyl}), -\text{C}(\text{O})\text{CR}_x\text{R}_x\text{NR}_y\text{R}_y, \text{R}_{12b}, -\text{CR}_x\text{R}_x\text{R}_{12b}, -\text{C}(\text{O})\text{R}_{12b},$
 $-\text{C}(\text{O})\text{CR}_x\text{R}_x\text{NR}_x\text{R}_{12b}, -\text{C}(\text{O})\text{NR}_x\text{R}_{12b}, -\text{NR}_x\text{C}(\text{O})\text{CR}_x\text{R}_x\text{R}_{12b}, -\text{NR}_x\text{R}_{12b},$
 $-\text{NR}_x\text{CR}_x\text{R}_x\text{R}_{12b}, -\text{N}(\text{CH}_2\text{CN})\text{R}_{12b}, -\text{NR}_x\text{C}(\text{O})\text{CR}_x\text{R}_x\text{NR}_x\text{R}_{12b},$
10 $-\text{NR}_x\text{C}(\text{O})\text{CR}_x\text{R}_x\text{NR}_x\text{CH}_2\text{R}_{12b}, -\text{NR}_x\text{CR}_x\text{R}_x\text{C}(\text{O})\text{NR}_x\text{R}_{12b}, \text{ or } -\text{OR}_{12b}; \text{ or two } \text{R}_{12a}$
 and the carbon atom to which they are attached form $\text{C}=\text{O}$;

R_{12b} is azetidiny, bicyclo[1.1.1]pentany, C_{3-6} cycloalkyl, diazabicyclo[2.2.1]heptany, dioxolany, dioxidotetrahydrothiopyrany, dioxidothiomorpholinyl, imidazolyl, morpholinyl, octahydrocyclopenta[c]pyrroly, octahydropyrrolo[3,4-c]pyrroly,

15 oxaazaspiro[3.3]heptany, oxetany, phenyl, piperazinyl, piperazinonyl, piperidinyl, pyridinyl, pyrrolidinyl, quinuclidinyl, tetrahydrofurany, tetrahydropyrany, or triazolyl, each substituted with zero to 4 substituents independently selected from F, Cl, $-\text{OH}$, C_{1-4} alkyl, C_{1-3} fluoroalkyl, C_{1-3} hydroxyalkyl, C_{1-3} aminoalkyl, C_{1-4} alkoxy, $-(\text{CH}_2)_{1-2}\text{O}(\text{C}_{1-3} \text{ alkyl})$, $-\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{NR}_x\text{R}_x$, and $-\text{CR}_x\text{R}_x\text{S}(\text{O})_2(\text{C}_{1-3}$

20 alkyl);

each R_{14a} is independently is:

(i) H, halo, $-\text{OH}$, C_{1-6} alkyl, C_{1-23} fluoroalkyl, C_{1-4} hydroxyalkyl, $-(\text{CH}_2)_{0-2}\text{O}(\text{C}_{1-3}$ alkyl), $-\text{CR}_x\text{R}_x\text{NR}_y\text{R}_y$, $-\text{CR}_x\text{R}_x\text{NR}_x(\text{C}_{1-3} \text{ cyanoalkyl})$, $-\text{CR}_x\text{R}_x\text{NR}_x((\text{CH}_2)_{1-2}\text{O}(\text{C}_{1-2}$ alkyl)), $-\text{CR}_x\text{R}_x\text{N}((\text{CH}_2)_{1-2}\text{OCH}_3)_2$, $-\text{CR}_x\text{R}_x\text{NR}_x(\text{CH}_2\text{C}\equiv\text{CR}_x)$,

25 $-\text{CR}_x\text{R}_x\text{NR}_x(\text{CH}_2)_{1-3}\text{NR}_x\text{R}_x$, $-(\text{CR}_x\text{R}_x)_{1-3}\text{CR}_x\text{R}_x\text{NR}_x\text{R}_x$, $-\text{CR}_x(\text{NH}_2)(\text{CH}_2)_{1-4}\text{NR}_x\text{R}_x$, $-\text{CR}_x\text{R}_x\text{NR}_x(\text{CH}_2)_{1-2}\text{O}(\text{C}_{1-3} \text{ alkyl})$, $-\text{CR}_x\text{R}_x\text{NR}_x(\text{CH}_2)_{1-2}\text{O}(\text{CH}_2)_{1-2}\text{OH}$, $-\text{CR}_x\text{R}_x\text{NR}_x(\text{CH}_2)_{1-3}\text{S}(\text{O})_2\text{OH}$, $-\text{CR}_x\text{R}_x\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{NR}_x\text{R}_y$, $-\text{NR}_x(\text{CH}_2)_{1-3}\text{NR}_x\text{R}_x$, $-\text{NR}_x\text{C}(\text{O})(\text{C}_{1-3} \text{ alkyl})$, $-\text{NR}_x\text{C}(\text{O})(\text{C}_{1-3} \text{ fluoroalkyl})$, $-\text{NR}_x\text{C}(\text{O})\text{O}(\text{C}_{1-3} \text{ alkyl})$,

$-\text{NR}_x\text{C}(\text{O})(\text{CH}_2)_{1-3}\text{NR}_x\text{R}_x$, $-\text{NR}_x\text{CH}_2\text{C}(\text{O})\text{CH}_2\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})(\text{C}_{1-3}\text{ alkyl})$,
 $-\text{C}(\text{O})(\text{CR}_x\text{R}_x)_{1-3}\text{OH}$, $-\text{C}(\text{O})\text{CR}_x\text{R}_x\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{NR}_x(\text{C}_{1-2}$
 cyanoalkyl), $-\text{C}(\text{O})\text{NR}_x(\text{CR}_x\text{R}_x)_{1-3}\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{N}(\text{CH}_2\text{CH}_3)(\text{CR}_x\text{R}_x)_{1-3}\text{NR}_x\text{R}_x$,
 $-\text{C}(\text{O})\text{NR}_x(\text{CR}_x\text{R}_x)_{1-2}\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{NR}_x(\text{CR}_x\text{R}_x)_{1-3}\text{NR}_x\text{C}(\text{O})(\text{C}_{1-2}\text{ alkyl})$,
 5 $-\text{O}(\text{CR}_x\text{R}_x)_{1-3}\text{NR}_x\text{R}_x$, $-\text{S}(\text{O})_2\text{NR}_x\text{R}_x$, or $-\text{C}(\text{O})(\text{CR}_x\text{R}_x)_{1-2}\text{S}(\text{O})_2(\text{C}_{1-2}\text{ alkyl})$;

(ii) 8-azabicyclo[3.2.1]octanyl, azaspiro[3.5]nonanyl, azetidiny, benzo[c][1,2,5]oxadiazolyl, cyclopentyl, cyclohexyl, diazepanyl, morpholinyl, phenyl, piperazinyl, piperidinyl, pyrazolyl, pyridinyl, pyrrolidinonyl, quinolinyl, quinuclidinyl, tetrahydroisoquinolinyl, tetrahydropyridinyl, or thiazolidinyl, each
 10 substituted with zero to 2 substituents independently selected from C_{1-4} alkyl, C_{1-2} fluoroalkyl, C_{1-4} hydroxyalkyl, $-\text{NR}_x\text{R}_x$, $-(\text{CH}_2)_{1-2}\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})(\text{C}_{1-2}\text{ alkyl})$,
 $-\text{C}(\text{O})\text{CH}_2\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{O}(\text{C}_{1-3}\text{ alkyl})$, $-\text{CH}_2\text{C}(\text{O})\text{NR}_x\text{R}_x$, C_{3-6} cycloalkyl,
 $-\text{CH}_2(\text{phenyl})$, $-\text{CH}_2(\text{pyrrolyl})$, $-\text{CH}_2(\text{morpholinyl})$, $-\text{CH}_2(\text{methylpiperazinyl})$,
 $-\text{CH}_2(\text{thiophenyl})$, methylpiperidinyl, isobutylpiperidinyl, and pyridinyl; or

15 (iii) $-\text{L}_3-\text{R}_{14c}$;

each R_{14b} is F, Cl, $-\text{OH}$, $-\text{CH}_3$, or $-\text{OCH}_3$;

R_{14c} is adamantanyl, azepanyl, azetidiny, C_{3-7} cycloalkyl, diazepanyl, imidazolyl, indolyl, morpholinyl, octahydropyrrolo[3,4-c]pyrrolyl, phenyl, piperazinonyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinonyl, pyrrolidinyl, pyrrolyl, triazolyl, or
 20 tetrazolyl, each substituted with zero to 1 substituent selected from F, $-\text{OH}$, C_{1-4} alkyl, C_{1-3} hydroxyalkyl, $-\text{NR}_x\text{R}_y$, $-\text{NR}_x\text{C}(\text{O})\text{CH}_3$, $-\text{C}(\text{O})(\text{C}_{1-2}\text{ alkyl})$, $-\text{C}(\text{O})\text{NR}_x\text{R}_x$,
 $-\text{C}(\text{O})\text{N}(\text{CH}_2\text{CH}_3)_2$, $-\text{C}(\text{O})(\text{tetrahydrofuranyl})$, $-\text{C}(\text{O})\text{O}(\text{C}_{1-2}\text{ alkyl})$,
 $-\text{CH}_2\text{C}(\text{O})\text{NR}_x\text{R}_y$, morpholinyl, methylpiperidinyl, pyrazinyl, pyridinyl, and pyrrolidinyl;

25 L_3 is $-(\text{CR}_x\text{R}_x)_{1-3}-$, $-\text{CH}(\text{NH}_2)-$, $-\text{CR}_x\text{R}_x\text{NR}_x-$, $-\text{C}(\text{O})-$, $-\text{C}(\text{O})\text{NR}_x(\text{CH}_2)_{0-4}-$, $-\text{NR}_x-$,
 $-\text{NR}_x\text{C}(\text{O})-$, $-\text{NR}_x\text{CH}_2-$, $-\text{NR}_x\text{CH}_2\text{C}(\text{O})-$, or $-\text{O}(\text{CH}_2)_{0-2}-$;

R_v is H, C_{1-2} alkyl, or C_{1-2} fluoroalkyl;

each R_x is independently H or $-\text{CH}_3$;

each R_y is independently H or C_{1-6} alkyl;

n is zero, 1, or 2; and

p is zero, 1, 2, 3, or 4.

5 2. The compound according to claim 1, N-oxide, or a salt thereof, wherein:

A is:

(i) $-O-L_1-R_6$;

(ii) $-NR_7R_8$;

(iii) $-L_2-C(O)NR_9R_{10}$;

10 (iv) $-(CR_xR_x)_{1-2}R_{11}$, C_{1-2} aminoalkyl, $-(CR_xR_x)_{1-2}NR_xC(O)R_{11}$,

$-CH_2NR_xC(O)(CH_2)_{1-2}(\text{piperidinyl})$, $-CH_2NR_xC(O)OCH_2(\text{piperidinyl})$, or

$-CH_2NR_xC(O)(CH_2)_{1-2}NR_xR_x$;

(v) $-CR_xR_{12}R_{13}$, wherein R_{12} and R_{13} together with the carbon atom to which they are

attached form a cyclic group selected from azabicyclo[4.1.1]octanyl, azepanyl,

15 azetidiny, C_{3-7} cycloalkyl, diazepanyl, diazasp[4.5]decanonyl, morpholinyl,

octahydrocyclopenta[c]pyrrolyl, piperazinyl, piperidinyl, pyrrolidinyl, and

quinuclidinyl, each substituted with zero to 3 R_{12a} ;

(vi) $-CR_x=CR_x(\text{piperidinyl})$; or

(vii) an aromatic group selected from [1,2,4]triazolo[1,5-a]pyridinyl,

20 imidazo[1,2-a]pyridinyl, imidazolyl, indazolyl, isoquinolinyl, oxadiazolyl, oxazolyl,

phenyl, pyrazinyl, pyrazolo[3,4-b]pyridinyl, pyrazolyl, pyridazinyl, pyridinyl,

pyrimidinyl, pyrrolyl, quinolinonyl, quinolinyl, quinoxalinyl, tetrahydro-

[1,2,4]triazolo[1,5-a]pyrazinyl, tetrahydroimidazo[1,2-a]pyrazinyl,

tetrahydroisoquinolinyl, tetrahydrothiazolo[5,4-c]pyridinyl,

25 tetrahydrothieno[2,3-c]pyridinyl, thiadiazolyl, thiazolyl, thiooxadiazolyl, and

triazolyl, each substituted with zero to 2 R_{14a} and zero to 3 R_{14b} ;

L_1 is bond, $-(CR_xR_x)_{1-2}-$, $-CH_2C(O)-$, $-CH_2C(O)NR_x(CR_xR_x)_{0-2}-$, $-CH_2NR_xC(O)-$, or

$-CH_2NR_xC(O)CH_2-$;

L_2 is a bond or $-(CR_xR_x)_{1-2}-$;

R₁ is H, Cl, -CN, C₁₋₄ alkyl, C₁₋₂ fluoroalkyl, C₁₋₂ hydroxyalkyl, or -C(O)O(C₁₋₂ alkyl);
each R₂ is independently F, Cl, -CN, -OH, C₁₋₃ alkyl, C₁₋₂ fluoroalkyl, C₁₋₂ cyanoalkyl,

C₁₋₃ hydroxyalkyl, C₁₋₂ aminoalkyl, -(CH₂)₀₋₂O(C₁₋₃ alkyl), C₃₋₆ cycloalkyl,
-NR_xR_x, -(CH₂)₀₋₂C(O)NR_xR_x, -(CH₂)₀₋₂S(O)₂(C₁₋₃ alkyl), -CH₂(C₃₋₆ cycloalkyl),
5 -CH₂(phenyl), or phenyl;

R_{2a} is C₁₋₄ alkyl, C₁₋₂ fluoroalkyl, C₁₋₄ hydroxyalkyl, -(CH₂)₁₋₃OCH₃, C₃₋₆ cycloalkyl,
-CH₂C(O)NR_xR_x, -CH₂(C₃₋₆ cycloalkyl), -CH₂(phenyl), tetrahydrofuranyl, or
phenyl;

each R_{2b} is independently H, F, Cl, -CN, -NR_xR_x, C₁₋₆ alkyl, C₁₋₂ fluoroalkyl, C₁₋₃

10 hydroxyalkyl, -(CH₂)₀₋₂O(C₁₋₂ alkyl), -(CH₂)₀₋₂C(O)NR_xR_x,
-(CH₂)₁₋₃(cyclopropyl), -C(O)O(C₁₋₂ alkyl), -C(O)NR_x(C₁₋₃ alkyl), -CR_x=CH₂, or
-CH=CH(C₃₋₆ cycloalkyl);

each R₅ is independently F, Cl, -CN, C₁₋₂ alkyl, or -OCH₃;

R₆ is:

15 (i) -CH₂C(O)NHCH₂CR_xR_xOH, -CH₂C(O)NHCH₂CH₂CR_xR_xOH,
-CH₂C(O)NHCH₂CH₂NR_xR_x, or -CH₂C(O)NHCH₂CHFCR_xR_xOH; or
(ii) azabicyclo[3.2.1]octanyl, azaspiro[5.5]undecanyl, azetidiny, C₃₋₆ cycloalkyl,
diazabicyclo[2.2.1]heptanyl, diazaspiro[3.5]nonanyl, morpholinyl,
tetrahydropyranyl, octahydrocyclopenta[c]pyrrolyl, piperazinyl, piperidinyl,
20 pyrrolidinyl, or quinuclidinyl, each substituted with zero to 3 R_{6a};

each R_{6a} is independently F, -OH, C₁₋₄ alkyl, C₁₋₄ fluoroalkyl, C₁₋₄ hydroxyalkyl,

-(CH₂)₁₋₂OCH₃, -NR_xR_x, -(CH₂)₁₋₂NR_xR_x, -(CH₂)₁₋₂S(O)₂(C₁₋₂ alkyl),
-(CH₂)₁₋₂C(O)NR_xR_x, -C(O)CH₂NR_xR_x, oxetanyl, tetrahydrofuranyl,
tetrahydropyranyl, piperidinyl, isobutylpiperidinyl, piperazinyl, or -O(piperidinyl);

25 R₇ is:

(i) R_{7a}, -CH₂R_{7a}, -C(O)R_{7a}, -C(O)CH(NH₂)R_{7a}, -C(O)(CH₂)₁₋₃NH₂,
-C(O)CH(NH₂)(C₁₋₄ alkyl), -C(O)CH(NH₂)(CH₂)₁₋₂C(O)OH,
-C(O)CH(NH₂)(CH₂)₂₋₄NH₂, or -C(O)CH(NH₂)(CH₂)₁₋₃C(O)NH₂; or

(ii) C₃₋₆ cycloalkyl substituted with one substituent selected from

–NR_x(CH₂)₂₋₃NR_xR_x, –NH(CH₂)₂₋₃NHCH₃, –NH(methylpiperidinyl),

–NH(CH₂)₂₋₃(morpholinyl), dimethylamino piperidinyl, and piperazinyl

substituted with a substituent selected from C₁₋₄ alkyl, –C(O)CH₃,

5 –(CH₂)₁₋₂OCH₃, –CH₂(methylphenyl), –(CH₂)₂₋₃(pyrrolidinyl), C₃₋₆ cycloalkyl, pyridinyl, and methylpiperidinyl;

R_{7b} is:

(i) C₁₋₄ alkyl, C₁₋₂ fluoroalkyl, C₁₋₂ cyanoalkyl, C₁₋₄ hydroxyalkyl, –(CH₂)₂₋₃C≡CH,

–(CH₂)₁₋₂O(C₁₋₂ alkyl), –(CH₂)₁₋₂S(O)₂(C₁₋₂ alkyl), –(CH₂)₀₋₃NR_xR_y,

10 –CH₂C(O)NR_xR_x, –NR_x(C₁₋₄ hydroxyalkyl), –NR_x(CR_xR_x)₁₋₂O(C₁₋₂ alkyl),

–NR_y(C₁₋₂ cyanoalkyl), –NR_x(C₁₋₂ fluoroalkyl), –NR_x(C₂₋₅ hydroxyfluoroalkyl),

–NR_x(CH₂)₁₋₂C(O)NR_xR_x, –NR_x(CH₂)₁₋₃NR_xR_x, –NR_xCH₂CH₂NR_xR_x,

–NR_xC(O)(CH₂)₁₋₂NR_xR_x, –O(CH₂)₁₋₃NR_xR_x, –C(O)(C₁₋₃ alkyl),

–C(O)CH₂NR_xR_x, –S(O)₂(C₁₋₂ alkyl), –(CH₂)₁₋₂R_{7d}, –CR_xR_xC(O)R_{7d},

15 –C(O)CR_xR_xR_{7d}, –NHR_{7d}, –NH(CH₂)₁₋₂R_{7d}, or –OR_{7d}; or

(ii) azepanyl, azetidiny, C₃₋₆ cycloalkyl, diazepanyl, dioxothiomorpholinyl,

morpholinyl, oxaazaspiro[3.3]heptanyl, oxetanyl, piperazinonyl, piperazinyl,

piperidinyl, pyridinyl, pyrrolidinonyl, pyrrolidinyl, tetrahydrofuranyl,

tetrahydroisoquinolinyl, or tetrahydropyranyl, each substituted with zero to 1 R_{8a}

20 and zero to 3 R_{8b};

each R_{7c} is independently F, –CH₃ or –CH₂CN;

R_{7d} is azaspiro[3.5]nonanyl, bicyclo[1.1.1]pentanyl, C₃₋₆ cycloalkyl, morpholinyl,

oxetanyl, phenyl, piperidinyl, pyrazolyl, pyrrolidinyl, tetrahydrofuranyl, or

tetrahydropyranyl, each substituted with zero to 1 substituent selected from C₁₋₃ alkyl,

25 –NH₂, –C(O)CH₃, methylpiperidinyl, methylpyrrolidinyl, tetramethylpiperidinyl,

–OCH₂CH₂(pyrrolidinyl), and –OCH₂CH₂NHCH₂CH₃; and zero to 4 substituents

selected from –CH₃;

R₈ is H or C₁₋₂ alkyl;

or R₇ and R₈ together with the nitrogen atom to which they are attached form a heterocyclic ring selected from azetidiny, diazepanonyl, diazepanyl, diazaspiro[3.3]heptanyl, diazaspiro[3.5]nonanyl, diazaspiro[5.5]undecanyl, imidazolyl, imidazolidinonyl, octahydro-1H-pyrrolo[3,4-b]pyridinyl, piperazinyl, piperidinyl, pyrrolidinonyl, pyrrolidinyl, and pyrrolyl, wherein said heterocyclic ring is substituted with zero to 1 R_{7b} and zero to 2 R_{7c};

R_{8a} is -OH, C₁₋₄ alkyl, C₁₋₃ fluoroalkyl, -(CH₂)₁₋₂O(C₁₋₂ alkyl), -C(O)(C₁₋₂ alkyl), -CH₂(C₃₋₆ cycloalkyl), -(CH₂)₁₋₂(methyl phenyl), -(CH₂)₁₋₃(pyrrolidinyl), -(CH₂)₁₋₂(methylpyrazolyl), -(CH₂)₁₋₂(thiophenyl), -NR_xR_x, C₃₋₆ cycloalkyl, methylpiperidinyl, or pyridinyl;

each R_{8b} is independently F or -CH₃;

R₉ is C₁₋₃ alkyl, C₁₋₅ hydroxyalkyl, C₂₋₅ hydroxy fluoroalkyl, C₁₋₂ aminoalkyl, -(CH₂)₁₋₂O(C₁₋₂ alkyl), -(CH₂)₁₋₃N(CH₃)₂, -(CH₂)₁₋₂C(O)NH₂, -(CH₂)₁₋₂S(O)₂OH, -(CH₂)₁₋₂CR_xR_xNHS(O)₂CH₃, or -(CH₂)₀₋₃R_{9a};

R_{9a} is C₅₋₇ cycloalkyl, furanyl, phenyl, piperazinyl, piperidinyl, pyrazolyl, pyridinyl, pyrrolidinyl, quinuclidinyl, thiazolyl, or octahydrocyclopenta[c]pyrrolyl, each substituted with zero to 2 substituents independently selected from -OH, C₁₋₃ alkyl, -NR_xR_x, oxetanyl, phenyl, piperazinyl, piperidinyl, and pyrrolidinyl;

R₁₀ is H, C₁₋₃ alkyl, -(CH₂)₁₋₂O(C₁₋₂ alkyl), or C₃₋₆ cycloalkyl;

or R₉ and R₁₀ together with the nitrogen atom to which they are attached form a heterocyclic ring selected from azabicyclo[3.1.1]heptanyl, azaspiro[5.5]undecanyl, diazabicyclo[2.2.1]heptanyl, diazabicyclo[3.1.1]heptanyl, diazabicyclo[3.2.0]heptanyl, diazaspiro[3.5]nonanyl, diazaspiro[4.4]nonanyl, diazaspiro[4.5]decanyl, diazepanyl, indolinyl, morpholinyl, octahydropyrrolo[3,4-c]pyrrolyl, piperazinonyl, piperazinyl, piperidinyl, and pyrrolidinyl, each substituted with zero to 3 R_{10a};

each R_{10a} is independently C₁₋₃ alkyl, C₁₋₃ hydroxyalkyl, -(CH₂)₁₋₂O(C₁₋₂ alkyl), -(CH₂)₁₋₂NR_xR_x, -CH₂C(O)NR_xR_x, -CH₂(methyltriazolyl), -CH₂CH₂(phenyl), -CH₂CH₂(morpholinyl), -C(O)(C₁₋₂ alkyl), -C(O)NH₂, -C(O)N(C₁₋₂ alkyl)₂, -C(O)CH₂NR_xR_x, -NR_xR_x, -NHC(O)(C₁₋₂ alkyl), -C(O)(furanyl), -O(piperidinyl),

—C(O)CH₂(diethylcarbamoylpiperidiny), methylpiperazinyl, piperidiny, methylpiperidiny, diethylcarbamoylpiperidiny, isopropylpiperidiny, pyridiny, trifluoromethylpyridiny, pyrimidiny, or dihydrobenzo[d]imidazolonyl;

R₁₁ is azetidiny, azaspiro[3.5]nonanyl, dioxidothiomorpholiny,

5 hexahydropyrrolo[3,4-c]pyrrolyl, morpholiny, piperazinyl, piperidiny, pyridiny, or pyrrolidiny, each substituted with zero to 3 substituents independently selected from F, Cl, —CN, C₁₋₃ alkyl, C₁₋₂ aminoalkyl, —CH₂(phenyl), —C(O)CH₂NR_xR_x, —CH₂CR_xR_xOH, —CH₂C(O)NR_xR_x, —CH₂CH₂S(O)₂(C₁₋₃ alkyl), —CH₂CH₂S(O)(C₁₋₃ alkyl), oxetanyl, tetrahydrofuranyl, and tetrahydropyranyl;

10 each R_{12a} is independently —OH, C₁₋₄ alkyl, C₁₋₃ fluoroalkyl, C₁₋₂ cyanoalkyl, C₁₋₄ hydroxyalkyl, —(CH₂)₁₋₂O(C₁₋₂ alkyl), —CH₂C(O)NR_xR_x, —(CH₂)₁₋₂S(O)₂(C₁₋₂ alkyl), —(CH₂)₁₋₂NHS(O)₂(C₁₋₂ alkyl), —(CH₂)₁₋₂NR_xR_x, C₁₋₂ alkoxy, —NR_yR_y, —NR_x(C₁₋₃ fluoroalkyl), —NR_x(C₂₋₅ hydroxyfluoroalkyl), —NR_x(CH₂CR_xR_x)OCH₃, —NR_x(C₁₋₂ cyanoalkyl), —NR_xCH₂NR_xR_x, —NR_x(C₁₋₄ hydroxyalkyl),
15 —NR_x(CH₂C(O)NH₂), —NR_x(OCH₃), —NR_xCH₂CH₂S(O)₂(C₁₋₂ alkyl), —NR_x(CH₂CR_xR_xOCH₃), —NR_xC(O)CH₃, —NR_xC(O)(C₁₋₄ fluoroalkyl), —NR_xC(O)CR_xR_xNR_xR_x, —NR_xC(O)CH₂NR_yR_y, —NR_xC(O)CH₂NR_x(C₁₋₄ hydroxyalkyl), —NR_xCH₂C(O)NR_xR_x, —NR_xS(O)₂CH₃, —C(O)(C₁₋₅ alkyl), —C(O)CH₂O(C₁₋₂ alkyl), —C(O)CH₂CH₂O(C₁₋₂ alkyl), —C(O)CH₂NR_xR_x,
20 —C(O)CHR_xNR_yR_y, R_{12b}, —CR_xR_xR_{12b}, —C(O)R_{12b}, —C(O)CH₂NR_xR_{12b}, —C(O)NR_xR_{12b}, —NR_xC(O)CR_xR_xR_{12b}, —NR_xR_{12b}, —N(CH₂CN)R_{12b}, —NR_xCR_xR_xR_{12b}, —NR_xC(O)CH₂NR_xR_{12b}, —NR_xC(O)CH₂NR_xCH₂R_{12b}, —NR_xCH₂C(O)NR_xR_{12b}, or —OR_{12b}; or two R_{12a} and the carbon atom to which they are attached form C=O;

25 R_{12b} is azetidiny, bicyclo[1.1.1]pentanyl, C₃₋₆ cycloalkyl, diazabicyclo[2.2.1]heptanyl, dioxolanyl, dioxidotetrahydrothiopyranyl, dioxidothiomorpholiny, imidazolyl, morpholiny, octahydrocyclopenta[c]pyrrolyl, octahydropyrrolo[3,4-c]pyrrolyl, oxazaspiro[3.3]heptanyl, oxetanyl, phenyl, piperazinyl, piperazinonyl, piperidiny, pyridiny, pyrrolidiny, quinuclidiny, tetrahydrofuranyl, tetrahydropyranyl, or

triazolyl, each substituted with zero to 4 substituents independently selected from F, Cl, -OH, C₁₋₃ alkyl, C₁₋₂ hydroxyalkyl, C₁₋₂ alkoxy, -(CH₂)₁₋₂O(C₁₋₂ alkyl), -NR_xR_x, -C(O)NR_xR_x, and -CH₂S(O)₂(C₁₋₂ alkyl);

each R_{14a} is independently:

- 5 (i) H, F, Cl, -OH, C₁₋₅ alkyl, C₁₋₂ fluoroalkyl, C₁₋₂ hydroxyalkyl, -(CH₂)₀₋₂OCH₃, -CHR_xNR_x(C₁₋₅ alkyl), -CHR_xNR_x(C₁₋₂ cyanoalkyl), -CHR_xNR_x((CH₂)₁₋₂OCH₃), -CHR_xN((CH₂)₁₋₂OCH₃)₂, -CH₂NR_x(CH₂C≡CR_x), -CH₂NR_xCH₂CH₂NR_xR_x, -(CH₂)₁₋₃CR_xR_xNR_xR_x, -CH(NH₂)(CH₂)₃₋₄NR_xR_x, -CH₂NR_x(CH₂)₁₋₂O(C₁₋₃ alkyl), -CH₂NR_x(CH₂)₁₋₂O(CH₂)₁₋₂OH, -CH₂NH(CH₂)₁₋₂S(O)₂OH, -CH₂C(O)NR_xR_x,
10 -NR_xR_y, -NR_x(CH₂)₂₋₃NR_xR_x, -NR_xC(O)(C₁₋₂ alkyl), -NR_xC(O)(C₁₋₂ fluoroalkyl), -NR_xC(O)O(C₁₋₃ alkyl), -NR_xC(O)(CH₂)₁₋₂NR_xR_x, -NR_xCH₂C(O)CH₂NR_xR_x, -C(O)(C₁₋₂ alkyl), -C(O)CH₂CR_xR_xOH, -C(O)CH₂NR_xR_x, -C(O)NR_xR_x, -C(O)NR_x(CH₂CN), -C(O)NR_x(CR_xR_x)₂₋₃NR_xR_x, -C(O)N(CH₂CH₃)(CR_xR_x)₂₋₃NR_xR_x, -C(O)NR_xCH₂C(O)NR_xR_x,
15 -C(O)NR_xCH₂CH₂NR_xC(O)CH₃, -O(CR_xR_x)₂₋₃NR_xR_x, -S(O)₂NR_xR_x, or -C(O)CH₂S(O)₂(C₁₋₂ alkyl);
(ii) 8-azabicyclo[3.2.1]octanyl, azaspiro[3.5]nonanyl, azetidyl, benzo[c][1,2,5]oxadiazolyl, cyclopentyl, cyclohexyl, diazepanyl, morpholinyl, phenyl, piperazinyl, piperidyl, pyrazolyl, pyridyl, pyrrolidinyl, quinolinyl,
20 quinuclidinyl, tetrahydroisoquinolinyl, tetrahydropyridyl, or thiazolidinyl, each substituted with zero to 2 substituents independently selected from C₁₋₄ alkyl, C₁₋₂ fluoroalkyl, C₁₋₄ hydroxyalkyl, -NR_xR_x, -(CH₂)₁₋₂NR_xR_x, -C(O)(C₁₋₂ alkyl), -C(O)CH₂NR_xR_x, -C(O)O(C₁₋₃ alkyl), -CH₂C(O)NR_xR_x, C₃₋₆ cycloalkyl, -CH₂(phenyl), -CH₂(pyrrolyl), -CH₂(morpholinyl), -CH₂(methylpiperazinyl),
25 -CH₂(thiophenyl), methylpiperidyl, isobutylpiperidyl, and pyridyl; or
(iii) -L₃-R_{14c};

each R_{14b} is F, -CH₃, or -OCH₃;

L₃ is -(CR_xR_x)₁₋₃-, -CH(NH₂)-, -CR_xR_xNH-, -C(O)-, -C(O)NR_x(CH₂)₀₋₄-, -NR_x-,

$-\text{NR}_x\text{C}(\text{O})-$, $-\text{NR}_x\text{CH}_2-$, $-\text{NR}_x\text{CH}_2\text{C}(\text{O})-$, $-\text{O}-$, or $-\text{O}(\text{CH}_2)_{1-2}-$; and

R_{14c} is adamantanyl, azetidiny, C_{3-6} cycloalkyl, diazepanyl, imidazolyl, indolyl, morpholinyl, octahydropyrrolo[3,4-c]pyrrolyl, phenyl, piperazinonyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinonyl, pyrrolidinyl, or tetrazolyl, each substituted with zero to 1 substituent selected from F, $-\text{OH}$, C_{1-4} alkyl, C_{1-3} hydroxyalkyl, $-\text{NR}_x\text{R}_y$, $-\text{NR}_x\text{C}(\text{O})\text{CH}_3$, $-\text{C}(\text{O})(\text{C}_{1-2} \text{ alkyl})$, $-\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{N}(\text{CH}_2\text{CH}_3)_2$, $-\text{C}(\text{O})(\text{tetrahydrofuranly})$, $-\text{C}(\text{O})\text{O}(\text{C}_{1-2} \text{ alkyl})$, $-\text{CH}_2\text{C}(\text{O})\text{NR}_x\text{R}_y$, morpholinyl, methylpiperidinyl, pyrazinyl, pyridinyl, and pyrrolidinyl.

3. The compound according to claim 1, N-oxide, or a salt thereof, wherein:

A is:

(i) $-\text{O}-\text{L}_1-\text{R}_6$;

(ii) $-\text{NR}_7\text{R}_8$;

(iii) $-\text{L}_2-\text{C}(\text{O})\text{NR}_9\text{R}_{10}$;

(iv) $-\text{CHR}_x\text{R}_{11}$, $-\text{CH}_2\text{CH}_2\text{R}_{11}$, $-\text{CH}_2\text{NH}_2$, $-\text{CH}_2\text{NHC}(\text{O})\text{R}_{11}$, $-\text{CH}_2\text{NHC}(\text{O})\text{CH}_2\text{CH}_2(\text{piperidinyl})$, $-\text{CH}_2\text{NHC}(\text{O})\text{OCH}_2(\text{piperidinyl})$, or $-\text{CH}_2\text{NHC}(\text{O})\text{CH}_2\text{CH}_2\text{N}(\text{CH}_3)_2$;

(v) $-\text{CHR}_{12}\text{R}_{13}$, wherein R_{12} and R_{13} together with the carbon atom to which they are attached form a cyclic group selected from azabicyclo[4.1.1]octanyl, azepanyl, azetidiny, C_{3-6} cycloalkyl, diazaspiro[4.5]decanonyl, morpholinyl, octahydrocyclopenta[c]pyrrolyl, piperidinyl, pyrrolidinyl, and quinuclidinyl, each substituted with zero to 3 R_{12a} ;

(vi) $-\text{CH}=\text{CH}(\text{piperidinyl})$; or

(vii) an aromatic group selected from [1,2,4]triazolo[1,5-a]pyridinyl, imidazo[1,2-a]pyridinyl, imidazolyl, indazolyl, isoquinolinyl, oxadiazolyl, oxazolyl, phenyl, pyrazinyl, pyrazolo[3,4-b]pyridinyl, pyrazolyl, pyridazinyl, pyridinyl, pyrimidinyl, pyrrolyl, quinolinonyl, quinolinyl, quinoxalinyl, tetrahydro-[1,2,4]triazolo[1,5-a]pyrazinyl, tetrahydroimidazo[1,2-a]pyrazinyl, tetrahydroisoquinolinyl, tetrahydrothiazolo[5,4-c]pyridinyl,

tetrahydrothieno[2,3-c]pyridinyl, thiadiazolyl, thiazolyl, thiooxadiazolyl, and triazolyl, each substituted with zero to 2 R_{14a} and zero to 3 R_{14b};

L₁ is bond, -CH₂-, -CH₂CH₂-, -CH₂C(O)-, -CH₂C(O)NH-, -CH₂C(O)N(CH₃)-, -CH₂C(O)NHCH₂-, or -CH₂C(O)NHCH₂CH₂-;

5 L₂ is a bond, -CH(CH₃)-, -C(CH₃)₂-, or -CH₂CH₂-;

R₆ is:

(i) -CH₂C(O)NHCH₂C(CH₃)₂OH, -CH₂C(O)NHCH₂CH₂C(CH₃)₂OH, -CH₂C(O)NHCH₂CH₂NH₂, or -CH₂C(O)NHCH₂CHFC(CH₃)₂OH; or

10 (ii) azabicyclo[3.2.1]octanyl, azaspiro[5.5]undecanyl, azetidiny, cyclohexyl, diazabicyclo[2.2.1]heptanyl, diazasp[3.5]nonanyl, morpholinyl, octahydrocyclopenta[c]pyrrolidyl, piperazinyl, piperidinyl, pyrrolidinyl, or quinuclidinyl, each substituted with zero to 2 R_{6a};

each R_{6a} is independently F, -OH, -CH₃, -CH₂CH₂CH₃, -C(CH₃)₂, -CH₂CH(CH₃)₂,

15 -CH₂CH₂CH₂CF₃, -CH₂CH₂OH, -CH₂CH₂CH₂OH, -CH₂CH(CH₃)OH, -CH₂C(CH₃)₂OH, -CH₂CH₂OCH₃, -NH₂, -N(CH₃)₂, -CH₂NH₂, -CH₂CH₂NH₂, -CH₂CH₂S(O)₂CH₃, -CH₂C(O)N(CH₃)₂, -C(O)CH₂N(CH₃)₂, oxetanyl, tetrahydropyranyl, piperidinyl, isobutylpiperidinyl, or -O(piperidinyl);

R₇ is:

(i) -CH₂(isopropyl azaspiro[3.5]nonanyl), -CH₂(methylpyrrolidinyl),
20 -C(O)(CH₂)₁₋₃NH₂, -C(O)CH(NH₂)CH₂CH₂CH₃, -C(O)CH(NH₂)CH₂CH(CH₃)₂,
-C(O)CH(NH₂)CH(CH₃)CH₂CH₃, -C(O)CH(NH₂)CH₂CH₂C(O)OH,
-C(O)CH(NH₂)(CH₂)₃₋₄NH₂, -C(O)CH(NH₂)(CH₂)₁₋₂C(O)NH₂,
-C(O)CH(NH₂)(cyclohexyl), -C(O)CH(NH₂)(phenyl), -C(O)(aminocyclohexyl),
-C(O)(morpholinyl), -C(O)(pyrrolidinyl), pentamethylpiperidinyl,
25 methylpiperidinyl-piperidinyl, methylpyrrolidinyl-pyrrolidinyl, or phenyl
substituted with -OCH₂CH₂(pyrrolidinyl) or -OCH₂CH₂NHCH₂CH₃; or
(ii) cyclohexyl substituted with -NR_x(CH₂)₂₋₃N(CH₃)₂, -NHCH₂CH₂NHCH₃,
-NH(methylpiperidinyl), -NH(CH₂)₂₋₃(morpholinyl), dimethylamino piperidinyl,
or piperazinyl substituted with -CH₃, -CH₂CH₃, -C(CH₃)₃, -CH₂CH(CH₃)₂,

–C(O)CH₃, –CH₂CH₂OCH₃, –CH₂(methylphenyl), –(CH₂)_{2–3}(pyrrolidinyl), cyclopentyl, pyridinyl, or methylpiperidinyl;

R_{7b} is:

(i) C_{1–4} alkyl, C_{1–2} fluoroalkyl, C_{1–2} cyanoalkyl, C_{3–4} hydroxyalkyl,

5 –CH₂CH₂CH₂C≡CH, –CH₂CH₂OCH₃, –CH₂CH₂S(O)₂CH₃, –(CH₂)_{1–2}NR_xR_x,
–CH₂C(O)NR_xR_x, –NR_xR_y, –NR_x(C_{1–4} hydroxyalkyl), –NR_x(CH₂CR_xR_xOCH₃),
–NR_y(C_{1–2} cyanoalkyl), –NR_x(C_{1–2} fluoroalkyl), –NR_x(C_{2–5} hydroxyfluoroalkyl),
–NR_x(CH₂)_{1–2}C(O)NR_xR_x, –NR_x(CH₂)_{1–3}NR_xR_x, –NR_xCH₂CH₂N(CH₃)₂,
–NR_xC(O)(CH₂)_{1–2}NR_xR_x, –OCH₂CH₂N(CH₃)₂, –C(O)(C_{1–3} alkyl),
10 –C(O)CH₂NR_xR_x, –S(O)₂CH₃, –(CH₂)_{1–2}R_{7d}, –CH₂C(O)R_{7d}, –C(O)CH₂R_{7d},
–NHR_{7d}, –NH(CH₂)_{1–2}R_{7d}, or –OR_{7d}; or

(ii) azepanyl, azetidiny, bicyclo[1.1.1]pentanyl, C_{4–6} cycloalkyl, diazepanyl,
dioxothiomorpholinyl, morpholinyl, oxaazaspiro[3.3]heptanyl, oxetanyl,
piperazinonyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinonyl, pyrrolidinyl,
15 tetrahydrofuranyl, tetrahydroisoquinolinyl, or tetrahydropyranyl, each substituted
with zero to 1 R_{8a} and zero to 3 R_{8b};

each R_{7c} is independently –CH₃ or –CH₂CN;

R_{7d} is azaspiro[3.5]nonanyl, bicyclo[1.1.1]pentanyl, C_{3–6} cycloalkyl, morpholinyl,
oxetanyl, phenyl, piperidinyl, pyrazolyl, pyrrolidinyl, tetrahydrofuranyl, or

20 tetrahydropyranyl, each substituted with zero to 1 substituent selected from C_{1–3} alkyl,
–NH₂, –C(O)CH₃, methylpiperidinyl, methylpyrrolidinyl, tetramethylpiperidinyl,
–OCH₂CH₂(pyrrolidinyl), and –OCH₂CH₂NHCH₂CH₃; and zero to 4 substituents
selected from –CH₃;

R₈ is H, –CH₃ or –CH₂CH₃;

25 or R₇ and R₈ together with the nitrogen atom to which they are attached form a
heterocyclic ring selected from azetidiny, diazapanonyl, diazepanyl,
diazaspiro[3.3]heptanyl, diazasp[3.3]heptanyl, diazasp[3.5]nonanyl,
diazasp[5.5]undecanyl, imidazolidinonyl, octahydro-1H-pyrrolo[3,4-b]pyridinyl,
piperazinyl, piperidinyl, pyrrolidinonyl, and pyrrolidinyl, wherein said heterocyclic

ring is substituted with zero to 1 R_{7b} and zero to 2 R_{7c};

R_{8a} is -OH, -CH₃, -CH₂CH₃, -CH(CH₃)₂, -C(CH₃)₃, -CH₂CH(CH₃)₂, -CH₂CH₂OCH₃,
 -CH₂CH₂CF₃, -C(O)CH₃, -CH₂(cyclopropyl), -CH₂(methyl phenyl),
 -(CH₂)₂₋₃(pyrrolidinyl), -CH₂(methylpyrazolyl), -CH₂(thiophenyl), -NR_xR_x,
 5 cyclopentyl, methylpiperidinyl, or pyridinyl;

each R_{8b} is -CH₃;

R₉ is -CH₃, -CH₂CH₂OH, -CH₂C(CH₃)₂OH, -CH₂C(CH₃)₂CH₂OH,
 -CH₂CHFC(CH₃)₂OH, -CH₂CH₂C(CH₃)₂OH, -CH(CH₂OH)₂, -CH₂CH₂OCH₃,
 -CH₂CH₂NH₂, -CH₂CH₂N(CH₃)₂, -CH₂CH₂CH₂N(CH₃)₂, -CH₂CH₂C(O)NH₂,
 10 -CH₂S(O)₂OH, -CH₂CH₂C(CH₃)₂NHS(O)₂CH₃, or -(CH₂)₀₋₃R_{9a};

R_{9a} is cyclohexyl, cycloheptyl, furanyl, phenyl, piperazinyl, piperidinyl, pyrazolyl,
 pyridinyl, pyrrolidinyl, quinuclidinyl, thiazolyl, or octahydrocyclopenta[c]pyrrolyl,
 each substituted with zero to 2 substituents independently selected from -OH, C₁₋₃
 alkyl, -NH₂, -N(CH₃)₂, oxetanyl, phenyl, piperazinyl, piperidinyl, and pyrrolidinyl;

15 R₁₀ is H, -CH₃, -CH₂CH₃, -CH₂CH₂OCH₃, or cyclopropyl;

or R₉ and R₁₀ together with the nitrogen atom to which they are attached form a
 heterocyclic ring selected from azabicyclo[3.1.1]heptanyl, azaspiro[5.5]undecanyl,
 diazabicyclo[2.2.1]heptanyl, diazabicyclo[3.1.1]heptanyl,
 diazabicyclo[3.2.0]heptanyl, diazaspiro[3.5]nonanyl, diazaspiro[4.4]nonanyl,
 20 diazaspiro[4.5]decanyl, diazepanyl, indolinyl, morpholinyl, octahydropyrrolo[3,4-
 c]pyrrolyl, piperazinonyl, piperazinyl, piperidinyl, and pyrrolidinyl, each substituted
 with zero to 2 R_{10a};

each R_{10a} is independently -CH₃, -CH₂CH₃, -CH(CH₃)₂, -CH₂OH, -CH₂CH₂OH,
 -CH₂OCH₃, -CH₂CH₂OCH₃, -CH₂NH₂, -CH₂CH₂NH₂, -CH₂CH₂NH(CH₃),
 25 -CH₂C(O)NH(CH₃), -CH₂C(O)N(CH₃)₂, -CH₂(methyltriazolyl), -CH₂CH₂(phenyl),
 -CH₂CH₂(morpholinyl), -C(O)CH₃, -C(O)NH₂, -C(O)N(CH₂CH₃)₂,
 -C(O)CH₂NH(CH₃), -C(O)CH₂N(CH₃)₂, -NH₂, -N(CH₃)₂, -NHC(O)CH₃,
 -C(O)(furanyl), -O(piperidinyl), -C(O)CH₂(diethylcarbamoylpiperidinyl),
 methylpiperazinyl, piperidinyl, methylpiperidinyl, diethylcarbamoylpiperidinyl,

isopropylpiperidiny, pyridinyl, trifluoromethylpyridinyl, pyrimidinyl, or dihydrobenzo[d]imidazolonyl;

R₁₁ is azetidiny, azaspiro[3.5]nonanyl, dioxidothiomorpholinyl,

hexahydropyrrolo[3,4-c]pyrrolyl, morpholinyl, piperazinyl, piperidiny, or

5 pyrrolidinyl, each substituted with zero to 2 substituents independently selected from

F, -CH₃, -CH(CH₃)₂, -CH₂CN, -CH₂(phenyl), -C(O)CH₂N(CH₃)₂,

-CH₂C(CH₃)₂OH, -CH₂C(O)N(CH₃)₂, -CH₂CH₂S(O)₂CH₃, -CH₂CH₂S(O)CH₃,

oxetanyl, and tetrahydropyranyl;

each R_{12a} is independently -OH, -CH₃, -CH₂CH₂CH₃, -CH(CH₃)₂, -CH₂CH(CH₃)₂,

10 -CF₃, -CH₂CF₃, -CH₂CH₂CH₂CF₃, -CH₂CN, -CH₂C(CH₃)₂OH, -CH₂CH₂OCH₃,

-CH₂C(O)NH(CH₃), -CH₂C(O)N(CH₃)₂, -CH₂C(O)NH₂, -CH₂CH₂S(O)₂CH₃,

-CH₂CH₂NHS(O)₂CH₃, -CH₂NR_xR_x, -CH₂CH₂NH(CH₃), -OCH₃, -NR_xR_y,

-NR_x(C₂₋₄ fluoroalkyl), -NR_x(CH₂CHFC(CH₃)₂OH), -NR_x(CH₂CR_xR_xOCH₃),

-NH(CH₂CN), -N(CH₃)CH₂N(CH₃)₂, -NR_x(CH₂CHFC(CH₃)₂OH),

15 -NH(CH₂CH₂OCH₃), -NH(CH₂C(CH₃)₂OH), -NR_x(CH₂C(O)NR_xR_x),

-N(CH₃)(OCH₃), -NR_xCH₂CH₂S(O)₂CH₃, -NHC(O)CH₃, -NHC(O)CH₂CF₃,

-NHC(O)CHR_xNH(CH₃), -NR_xC(O)CH₂N(CH₃)₂, -NHC(O)CH₂N(CH₃)(CH₂CH₃),

-NHC(O)CH₂N(CH₂CH₃)₂, -NHC(O)CH₂NH(CH₂C(CH₃)₂OH),

-NHCH₂C(O)NR_x(CH₃), -NHS(O)₂CH₃, -C(O)C(CH₃)₃, -C(O)CH(CH₂CH₃)₂,

20 -C(O)CH₂OCH₃, -C(O)CH₂CH₂OCH₃, -C(O)CH₂NH(CH₃), -C(O)CH₂N(CH₃)₂,

-C(O)CH(CH₃)NH(CH₃), -C(O)CH₂N(CH₃)(CH₂CH₃), -C(O)CH₂N(CH₂CH₃)₂,

R_{12b}, -CH₂R_{12b}, -C(O)R_{12b}, -C(O)CH₂R_{12b}, -C(O)CH₂NHR_{12b}, -C(O)NR_xR_{12b},

-NR_xC(O)CH₂R_{12b}, -NR_xR_{12b}, -N(CH₂CN)R_{12b}, -NR_xCH₂R_{12b}, -N(CH₂CN)R_{12b},

-NHC(O)CH₂NR_xR_{12b}, -NHC(O)CH₂NR_xCH₂R_{12b}, -NHCH₂C(O)NHR_{12b}, or

25 -OR_{12b}; or two R_{12a} and the carbon atom to which they are attached form C=O;

R_{12b} is azetidiny, bicyclo[1.1.1]pentanyl, cyclopropyl, diazabicyclo[2.2.1]heptanyl,

dioxolanyl, dioxidotetrahydrothiopyranyl, dioxidothiomorpholinyl, imidazolyl,

morpholinyl, octahydrocyclopenta[c]pyrrolyl, octahydropyrrolo[3,4-c]pyrrolyl,

oxaazaspiro[3.3]heptanyl, oxetanyl, phenyl, piperazinyl, piperazinonyl, piperidiny,

pyridinyl, pyrrolidinyl, quinuclidinyl, tetrahydrofuranyl, tetrahydropyranyl, or triazolyl, each substituted with zero to 4 substituents independently selected from F, -OH, -CH₃, -CH(CH₃)₂, -CH₂OH, -OCH₃, -CH₂CH₂OCH₃, -NR_xR_x, -C(O)NH₂, and -CH₂S(O)₂CH₃;

5 each R_{14a} is independently:

(i) H, F, Cl, -OH, -CH₃, -CH(CH₃)₂, -CH(CH₃)(CH₂CH₃), -CH₂CH₂CH₂C(CH₃)₂,
 -CF₃, -CH₂CF₃, -CH₂OH, -OCH₃, -CH₂CH₂OCH₃, -CHR_xNR_x(CH₃),
 -CH₂N(CH₃)(CH(CH₃)₂), -CH₂NH(CH₂C(CH₃)₃), -CH₂NH(CH₂CN),
 -CH₂N(CH₃)(CH₂CH₂OCH₃), -CH₂N(CH₂CH₂OCH₃)₂, -CH₂NR_x(CH₂C≡CH),
 10 -CH₂NHCH₂CH₂N(CH₃)₂, -CH₂CH₂NR_x(CH₃), -CH₂CR_x(CH₃)NH₂,
 -CH₂CH₂CH₂N(CH₃)₂, -CH₂CH₂CH₂CH₂NH₂, -CH(NH₂)(CH₂)₃₋₄NH₂,
 -CH₂NHCH₂CH₂O(C₁₋₃ alkyl), -CH₂NHCH₂CH₂OCH₂CH₂OH,
 -CH₂NHCH₂CH₂S(O)₂OH, -CH₂C(O)NR_x(CH₃), -NR_xR_x, -NH(CH(CH₃)₂),
 -NHCH₂CH₂NH(CH₃), -NHCH₂CH₂CH₂N(CH₃)₂, -NHC(O)CH₃,
 15 -NHC(O)CF₃, -NHC(O)OC(CH₃)₃, -NHC(O)CH₂N(CH₃)₂,
 -NHC(O)CH₂CH₂N(CH₃)₂, -NHCH₂C(O)CH₂NH(CH₃), -C(O)CH₃,
 -C(O)CH₂CH(CH₃)OH, -C(O)CH₂NR_x(CH₃), -C(O)NR_xR_x, -C(O)NH(CH₂CN),
 -C(O)NHCH₂CH₂CH₂NR_xR_x, -C(O)NHCH₂CH(CH₃)CH₂NH₂,
 -C(O)NHCH₂C(O)NH₂, -C(O)N(CH₃)CH₂CH₂CH₂N(CH₃)₂,
 20 -C(O)N(CH₂CH₃)CH₂CH₂N(CH₃)₂, -OCH₂CH₂CH₂N(CH₃)₂,
 -C(O)NHCH₂CH₂NHC(O)CH₃, -S(O)₂NH₂, or -C(O)CH₂S(O)₂CH₃;

(ii) 8-azabicyclo[3.2.1]octanyl, azaspiro[3.5]nonanyl, azetidiny, benzo[c][1,2,5]oxadiazolyl, cyclopentyl, cyclohexyl, diazepanyl, morpholinyl, phenyl, piperazinyl, piperidinyl, pyrazolyl, pyridinyl, pyrrolidinonyl, quinolinyl, 25 quinuclidinyl, tetrahydroisoquinolinyl, tetrahydropyridinyl, or thiazolidinyl, each substituted with zero to 2 substituents independently selected from -CH₃, -CH(CH₃)₂, -CH₂CH(CH₃)₂, -CF₃, -CH₂CH₂CF₃, -CH₂CH₂OH, -CH₂CH₂CH(CH₃)OH, -NH₂, -CH₂N(CH₃)₂, -CH₂CH₂NH(CH₃), -C(O)CH₃, -C(O)CH₂NH(CH₃), -C(O)CH₂N(CH₃)₂, -C(O)O(C(CH₃)₃),

–CH₂C(O)NR_x(CH₃), cyclobutyl, cyclopentyl, –CH₂(phenyl), –CH₂(pyrrolyl),
–CH₂(morpholinyl), –CH₂(methylpiperazinyl), –CH₂(thiophenyl),
methylpiperidinyl, isobutylpiperidinyl, and pyridinyl; or

(iii) –L₃–R_{14c};

5 each R_{14b} is –CH₃;

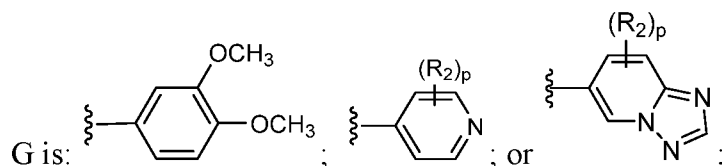
L₃ is –(CH₂)₁₋₃–, –CH(CH₃)–, –CH(NH₂)–, –CH₂NH–, –C(O)–, –C(O)NH(CH₂)₀₋₄–,
–C(O)N(CH₃)CH₂CH₂–, –NH–, –NHC(O)–, –NHCH₂–, –NHCH₂C(O)–, –O–, or
–OCH₂CH₂–;

R_{14c} is adamantanyl, azetidiny, cyclopropyl, cyclohexyl, diazepanyl, imidazolyl, indolyl,
10 morpholinyl, octahydropyrrolo[3,4-c]pyrrolyl, phenyl, piperazinonyl, piperazinyl,
piperidinyl, pyridinyl, pyrrolidinonyl, pyrrolidinyl, or tetrazolyl, each substituted with
zero to 1 substituent selected from –OH, –CH₃, –CH(CH₃)₂, –CH₂CH(CH₃)₂,
–C(CH₃)₂OH, –NH₂, –N(CH₃)₂, –NH(C(CH₃)₂), –NHC(O)CH₃, –C(O)CH₃,
–C(O)NH₂, –C(O)N(CH₂CH₃)₂, –C(O)(tetrahydrofuranyl), –C(O)OCH₂CH₃,
15 –CH₂C(O)NH(CH(CH₃)₂), morpholinyl, methylpiperidinyl, pyrazinyl, pyridinyl, and
pyrrolidinyl;

n is zero or 1; and

p is zero, 1, 2, or 3.

20 4. The compound according to claim 1, N-oxide, or a salt thereof, wherein:



A is:

- (i) –NR₇R₈ wherein R₇ and R₈ together with the nitrogen atom to which they are attached
form a heterocyclic ring selected from piperazinyl, piperidinyl, or
25 diazaspiro[3.3]heptanyl, wherein said heterocyclic ring is substituted with zero to 1
R_{7b} and zero to 1 R_{7c}; or
(ii) –CHR₁₂R₁₃, wherein R₁₂ and R₁₃ together with the carbon atom to which they are

attached form a cyclic group selected from cyclopentyl, cyclohexyl, morpholinyl, or piperidinyl, each substituted with zero to 1 R_{12a} ;

R_1 is $-\text{CH}_3$ or $-\text{CH}(\text{CH}_3)_2$;

each R_2 is independently $-\text{CH}_3$ or $-\text{OCH}_3$;

5 R_5 is F, Cl, or $-\text{CH}_3$;

R_{7b} is:

- (i) $-\text{CH}_3$, $-\text{CH}_2\text{CH}_3$, $-\text{CH}_2\text{CH}_2\text{CH}_3$, $-\text{CH}(\text{CH}_3)_2$, $-\text{CH}_2\text{CH}(\text{CH}_3)_2$, $-\text{CH}_2\text{CF}_3$,
 $-\text{CH}_2\text{CN}$, $-\text{CH}_2\text{C}(\text{CH}_3)_2\text{OH}$, $-\text{CH}_2\text{CH}_2\text{OCH}_3$, $-\text{CH}_2\text{CH}_2\text{S}(\text{O})_2\text{CH}_3$,
 $-(\text{CH}_2)_{1-2}\text{NR}_x\text{R}_x$, $-\text{CH}_2\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{NR}_x\text{R}_y$, $-\text{NR}_x(\text{C}_{1-4} \text{ hydroxyalkyl})$,
10 $-\text{NH}(\text{CH}_2\text{CR}_x\text{R}_x\text{OCH}_3)$, $-\text{NR}_y(\text{C}_{1-2} \text{ cyanoalkyl})$, $-\text{NR}_x(\text{C}_{1-2} \text{ fluoroalkyl})$,
 $-\text{NR}_x(\text{C}_{2-5} \text{ hydroxyfluoroalkyl})$, $-\text{NR}_x(\text{CH}_2)_{1-2}\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{NR}_x(\text{CH}_2)_{1-3}\text{NR}_x\text{R}_x$,
 $-\text{NR}_x\text{CH}_2\text{CH}_2\text{N}(\text{CH}_3)_2$, $-\text{NR}_x\text{C}(\text{O})(\text{CH}_2)_{1-2}\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{CH}_3$, $-\text{C}(\text{O})\text{CH}_2\text{NR}_x\text{R}_x$,
 $-\text{S}(\text{O})_2\text{CH}_3$, $-(\text{CH}_2)_{1-2}\text{R}_{7d}$, $-\text{CH}_2\text{C}(\text{O})\text{R}_{7d}$, $-\text{C}(\text{O})\text{CH}_2\text{R}_{7d}$, $-\text{NHR}_{7d}$,
 $-\text{NH}(\text{CH}_2)_{1-2}\text{R}_{7d}$, or $-\text{OR}_{7d}$; or
15 (ii) azetidiny, cyclobutyl, dioxothiomorpholinyl, morpholinyl,
oxaazaspiro[3.3]heptanyl, oxetanyl, piperazinonyl, piperazinyl, piperidinyl,
tetrahydrofuranyl, or tetrahydropyranyl, each substituted with zero to 1 R_{8a} ;

R_{7c} is $-\text{CH}_3$;

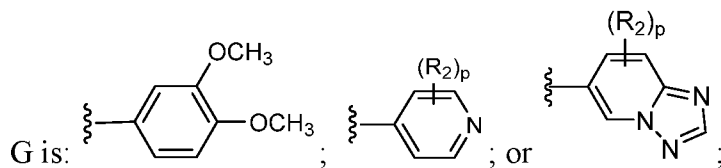
R_{8a} is $-\text{CH}_3$, $-\text{CH}(\text{CH}_3)_2$, or $-\text{S}(\text{O})_2\text{CH}_3$;

- 20 R_{12a} is $-\text{CH}(\text{CH}_3)_2$, $-\text{CH}_2\text{CF}_3$, $-\text{CH}_2\text{C}(\text{CH}_3)_2\text{OH}$, $-\text{CH}_2\text{CH}_2\text{OCH}_3$, $-\text{CH}_2\text{C}(\text{O})\text{NH}(\text{CH}_3)$,
 $-\text{CH}_2\text{C}(\text{O})\text{N}(\text{CH}_3)_2$, $-\text{CH}_2\text{C}(\text{O})\text{NH}_2$, $-\text{CH}_2\text{CH}_2\text{S}(\text{O})_2\text{CH}_3$, $-\text{CH}_2\text{CH}_2\text{NH}(\text{CH}_3)$,
 $-\text{NR}_x\text{R}_y$, $-\text{NR}_x(\text{C}_{2-4} \text{ fluoroalkyl})$, $-\text{NH}(\text{CH}_2\text{C}(\text{CH}_3)_2\text{OH})$,
 $-\text{NH}(\text{CH}_2\text{CHFC}(\text{CH}_3)_2\text{OH})$, $-\text{NH}(\text{CH}_2\text{CH}_2\text{OCH}_3)$, $-\text{NH}(\text{CH}_2\text{C}(\text{CH}_3)_2\text{OCH}_3)$,
 $-\text{NR}_x(\text{CH}_2\text{C}(\text{O})\text{NR}_x\text{R}_x)$, $-\text{C}(\text{O})\text{CH}_2\text{NH}(\text{CH}_3)$, $-\text{C}(\text{O})\text{CH}_2\text{N}(\text{CH}_3)_2$, R_{12b} , $-\text{CH}_2R_{12b}$,
25 $-\text{NR}_xR_{12b}$, $-\text{N}(\text{CH}_2\text{CN})R_{12b}$, or $-\text{NR}_x\text{CH}_2R_{12b}$;

R_{12b} is azetidiny, bicyclo[1.1.1]pentanyl, oxaazaspiro[3.3]heptanyl, oxetanyl,
piperidinyl, tetrahydrofuranyl, or tetrahydropyranyl, each substituted with zero to 4
substituents independently selected from $-\text{CH}_3$, $-\text{CH}(\text{CH}_3)_2$, $-\text{CH}_2\text{OH}$, or $-\text{OCH}_3$;
and

n is zero or 1.

5. The compound according to claim 1, N-oxide, or a salt thereof, wherein:



- 5 A is: $-NR_7R_8$ wherein R_7 and R_8 together with the nitrogen atom to which they are attached form a heterocyclic ring selected from piperazinyl, piperidinyl, or diazaspiro[3.3]heptanyl, wherein said heterocyclic ring is substituted with zero to 1 R_{7b} and zero to 1 R_{7c} ; or

R_1 is $-\text{CH}_3$ or $-\text{CH}(\text{CH}_3)_2$;

- 10 each R_2 is independently $-\text{CH}_3$ or $-\text{OCH}_3$;

R_5 is F, Cl, or $-\text{CH}_3$;

R_{7b} is:

- (i) $-\text{CH}_3$, $-\text{CH}_2\text{CH}_3$, $-\text{CH}_2\text{CH}_2\text{CH}_3$, $-\text{CH}(\text{CH}_3)_2$, $-\text{CH}_2\text{CH}(\text{CH}_3)_2$, $-\text{CH}_2\text{CF}_3$,
 $-\text{CH}_2\text{CN}$, $-\text{CH}_2\text{C}(\text{CH}_3)_2\text{OH}$, $-\text{CH}_2\text{CH}_2\text{OCH}_3$, $-\text{CH}_2\text{CH}_2\text{S}(\text{O})_2\text{CH}_3$,
 15 $-(\text{CH}_2)_{1-2}\text{NR}_x\text{R}_x$, $-\text{CH}_2\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{NR}_x\text{R}_y$, $-\text{NR}_x(\text{C}_{1-4}\text{ hydroxyalkyl})$,
 $-\text{NH}(\text{CH}_2\text{CR}_x\text{R}_x\text{OCH}_3)$, $-\text{NR}_y(\text{C}_{1-2}\text{ cyanoalkyl})$, $-\text{NR}_x(\text{C}_{1-2}\text{ fluoroalkyl})$,
 $-\text{NR}_x(\text{C}_{2-5}\text{ hydroxyfluoroalkyl})$, $-\text{NR}_x(\text{CH}_2)_{1-2}\text{C}(\text{O})\text{NR}_x\text{R}_x$, $-\text{NR}_x(\text{CH}_2)_{1-3}\text{NR}_x\text{R}_x$,
 $-\text{NR}_x\text{CH}_2\text{CH}_2\text{N}(\text{CH}_3)_2$, $-\text{NR}_x\text{C}(\text{O})(\text{CH}_2)_{1-2}\text{NR}_x\text{R}_x$, $-\text{C}(\text{O})\text{CH}_3$, $-\text{C}(\text{O})\text{CH}_2\text{NR}_x\text{R}_x$,
 $-\text{S}(\text{O})_2\text{CH}_3$, $-(\text{CH}_2)_{1-2}\text{R}_{7d}$, $-\text{CH}_2\text{C}(\text{O})\text{R}_{7d}$, $-\text{C}(\text{O})\text{CH}_2\text{R}_{7d}$, $-\text{NHR}_{7d}$,
 20 $-\text{NH}(\text{CH}_2)_{1-2}\text{R}_{7d}$, or $-\text{OR}_{7d}$; or

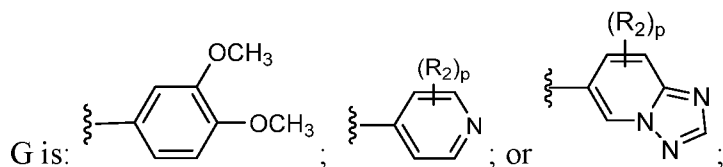
- (ii) azetidiny, bicyclo[1.1.1]pentanyl, cyclobutyl, dioxothiomorpholinyl, morpholinyl, oxaazaspiro[3.3]heptanyl, oxetanyl, piperazinonyl, piperazinyl, piperidinyl, tetrahydrofuranyl, or tetrahydropyranyl, each substituted with zero to 1 R_{8a} ;

- 25 R_{7c} is $-\text{CH}_3$;

R_{8a} is $-\text{CH}_3$, $-\text{CH}(\text{CH}_3)_2$, or $-\text{S}(\text{O})_2\text{CH}_3$;

and n is zero or 1.

6. The compound according to claim 1, N-oxide, or a salt thereof, wherein:



A is: $-\text{CHR}_{12}\text{R}_{13}$, wherein R_{12} and R_{13} together with the carbon atom to which they are attached form a cyclic group selected from cyclopentyl, cyclohexyl, morpholinyl, or piperidinyl, each substituted with zero to 1 R_{12a} ;

R_1 is $-\text{CH}_3$ or $-\text{CH}(\text{CH}_3)_2$;

each R_2 is independently $-\text{CH}_3$ or $-\text{OCH}_3$;

R_5 is F, Cl, or $-\text{CH}_3$;

- 10 R_{12a} is $-\text{CH}(\text{CH}_3)_2$, $-\text{CH}_2\text{CF}_3$, $-\text{CH}_2\text{C}(\text{CH}_3)_2\text{OH}$, $-\text{CH}_2\text{CH}_2\text{OCH}_3$, $-\text{CH}_2\text{C}(\text{O})\text{NH}(\text{CH}_3)$, $-\text{CH}_2\text{C}(\text{O})\text{N}(\text{CH}_3)_2$, $-\text{CH}_2\text{C}(\text{O})\text{NH}_2$, $-\text{CH}_2\text{CH}_2\text{S}(\text{O})_2\text{CH}_3$, $-\text{CH}_2\text{CH}_2\text{NH}(\text{CH}_3)$, $-\text{NR}_x\text{R}_y$, $-\text{NR}_x(\text{C}_{2-4} \text{ fluoroalkyl})$, $-\text{NH}(\text{CH}_2\text{C}(\text{CH}_3)_2\text{OH})$, $-\text{NH}(\text{CH}_2\text{CHFC}(\text{CH}_3)_2\text{OH})$, $-\text{NH}(\text{CH}_2\text{CH}_2\text{OCH}_3)$, $-\text{NH}(\text{CH}_2\text{C}(\text{CH}_3)_2\text{OCH}_3)$, $-\text{NR}_x(\text{CH}_2\text{C}(\text{O})\text{NR}_x\text{R}_x)$, $-\text{C}(\text{O})\text{CH}_2\text{NH}(\text{CH}_3)$, $-\text{C}(\text{O})\text{CH}_2\text{N}(\text{CH}_3)_2$, R_{12b} , $-\text{CH}_2\text{R}_{12b}$, $-\text{NR}_x\text{R}_{12b}$, $-\text{N}(\text{CH}_2\text{CN})\text{R}_{12b}$, or $-\text{NR}_x\text{CH}_2\text{R}_{12b}$;

R_{12b} is azetidiny, bicyclo[1.1.1]pentany, oxazaspiro[3.3]heptany, oxetany, piperidinyl, tetrahydrofurany, or tetrahydropyrany, each substituted with zero to 4 substituents independently selected from $-\text{CH}_3$, $-\text{CH}(\text{CH}_3)_2$, $-\text{CH}_2\text{OH}$, or $-\text{OCH}_3$; and n is zero or 1.

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7. The compound according to claim 1, N-oxide, or a salt thereof, wherein said compound is 6-(3-isopropyl-4-methyl-5-(piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4] triazolo[1,5-a]pyridine (1); 2-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-N-methylacetamide (2); 6-(4-fluoro-3-isopropyl-5-(piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (3); 6-(3-isopropyl-5-(piperidin-4-yl)-1h-pyrrolo[2,3-c]pyridin-2-yl)-8-methyl-[1,2,4]triazolo [1,5-a]pyridine (4); 2-(dimethylamino)-1-(4-(3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a] pyridine-6-yl)-1H-
- 25

pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)ethan-1-one (5); 6-(4-chloro-3-isopropyl-5-(piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (6); 6-(3-isopropyl-5-(piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (7, 295); 2-(4-(2-(3,4-dimethoxyphenyl)-3-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-N-methylethan-1-amine (8); 2-(3,4-dimethoxyphenyl)-5-(1'-isobutyl-[1,4'-bipiperidin]-4-yl)-3-methyl-1H-pyrrolo[2,3-c]pyridine (9); 1-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-2-(methylamino)ethan-1-one (10); 2-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)acetamide (11); 1-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-2-(methylamino)ethan-1-one (12); 6-(4-fluoro-3-isopropyl-5-(piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (13); 6-(4-fluoro-3-isopropyl-5-(1-(2-(methylsulfonyl)ethyl)piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (14); 2-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)acetamide (15); 6-(3-isopropyl-4-methyl-5-(1-(oxetan-3-yl)piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (16); 6-(4-fluoro-3-isopropyl-5-(1-((3-methyloxetan-3-yl)methyl)piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (17); 6-(4-fluoro-3-isopropyl-5-(1-isopropylpiperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (18); 2-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)acetamide (19); 2-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-N-methylacetamide (20); 6-(4-fluoro-3-isopropyl-5-(1-(2-methoxyethyl)piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (21); 2-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-N,N-dimethylacetamide (22); 2-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)acetamide (23); 2-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]

pyridin-5-yl)piperidin-1-yl)-N,N-dimethylacetamide (24); 6-(3-isopropyl-4-methyl-5-(1-(2-(methylsulfonyl)ethyl)piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (25); 2-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-N-methylacetamide (26);

5 2-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-N-methylacetamide (27); 6-(3-isopropyl-5-(piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (28); 1-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-2-(dimethylamino)ethan-1-one (29); 6-(3-isopropyl-5-(1-

10 (oxetan-3-yl)piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (30); 2-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-N,N-dimethylacetamide (31); 2-(dimethylamino)-1-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)ethan-1-one (32); 6-(3-

15 isopropyl-5-(1-isopropylpiperidin-4-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (33); 2-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-N,N-dimethylacetamide (34); 6-(3-isopropyl-5-(1-isopropylpiperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (35); 1-(4-(2-(7,8-dimethyl-

20 [1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-2-(dimethylamino)ethan-1-one (36); 2-(dimethylamino)-1-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)ethan-1-one (37); 6-(4-fluoro-3-isopropyl-5-(1-(oxetan-3-yl)piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (38); 1-(4-(4-fluoro-

25 3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-2-(methylamino)ethan-1-one (39); 2-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-N-methylacetamide (40); 6-(4-fluoro-3-isopropyl-5-(1-(2,2,2-trifluoroethyl)piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methyl-[1,2,4]triazolo[1,5-a]pyridine (41); 1-(4-

30 fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(oxetan-3-yl)piperidin-4-amine (42); 1-(4-fluoro-3-isopropyl-2-(8-

methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(3-methyloxetan-3-yl)piperidin-4-amine (43); 6-(1-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)-2-oxa-6-azaspiro[3.3]heptane (44); 2-((1-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)(methylamino)-N,N-dimethylacetamide (45); 6-(5-(4-(azetidin-1-yl)cyclohexyl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (46, 75); 1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methyl-N-neopentylpiperidin-4-amine (47); 4-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-neopentylcyclohexan-1-amine (48, 260); 1-((4-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexylamino)-2-methylpropan-2-ol (49, 164); 6-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)-2-oxa-6-azaspiro[3.3]heptane (50); 6-(5-(4-(azetidin-1-yl)piperidin-1-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (51); 1-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-isopropyl-N-methylpiperidin-4-amine (52); 6-(1-(3-isopropyl-4-methyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)-2-oxa-6-azaspiro[3.3]heptane (53); 1-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-((3-methyloxetan-3-yl)methyl)piperidin-4-amine (54); 1-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-ethyl-N-methylpiperidin-4-amine (55); N-(bicyclo[1.1.1]pentan-1-yl)-1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-amine (56); 6-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)-2-oxa-6-azaspiro[3.3]heptane (57, 142); 4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-neopentylcyclohexan-1-amine (58, 247); 3-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-((3-methyloxetan-3-yl)methyl)cyclopentan-1-amine (59, 94, 275-276); 3-

(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-neopentylcyclopentan-1-amine (60, 95, 144, 210); 4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-isopropylcyclohexan-1-amine (61, 277); 6-(3-isopropyl-5-(4-(3-methoxyazetidin-1-yl)cyclohexyl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (62, 180); N-isopropyl-3-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methylcyclopentan-1-amine (63, 145); (R)-3-fluoro-4-((1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)amino)-2-methylbutan-2-ol (64); 2-(dimethylamino)-1-(4-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)ethan-1-one (65); 2-(dimethylamino)-1-(4-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)ethan-1-one (66); 1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-((3-methyloxetan-3-yl)methyl)piperidin-4-amine (67); 1-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-isopropyl-N-methylpiperidin-4-amine (68); N-ethyl-1-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methylpiperidin-4-amine (69); 6-(5-(4-(azetidin-1-yl)piperidin-1-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methyl-[1,2,4]triazolo[1,5-a]pyridine (70); 1-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methylpiperidin-4-amine (71); 2-((1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)(methyl)amino)-N,N-dimethylacetamide (72); 4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-isopropyl-N-methylcyclohexan-1-amine (73, 159); 1-((4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)amino)-2-methylpropan-2-ol (74, 195); 4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-isopropyl-N-methylcyclohexan-1-amine (76, 227); N-ethyl-4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methylcyclohexan-1-amine (77, 228); 2-

((4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)(methylamino)acetamide (78); 2-((4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)(methylamino)-N,N-dimethylacetamide (79, 131); N-(4-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)oxetan-3-amine (80); N-(4-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)-3-methyloxetan-3-amine (81, 105, 192); N-(4-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)tetrahydro-2H-pyran-4-amine (82, 110); 1-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-ethyl-N-methylpiperidin-4-amine (83); 4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-isopropyl-N-methylcyclohexan-1-amine (84); 4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-isopropylcyclohexan-1-amine (85, 136); N-isopropyl-1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methylpiperidin-4-amine (86); 6-(5-(4-(azetidin-1-yl)piperidin-1-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (87); 1-((1-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)amino)-2-methylpropan-2-ol (88); (R)-3-fluoro-4-((4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)amino)-2-methylbutan-2-ol (89, 117); 4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-ethyl-N-methylcyclohexan-1-amine (90); N-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)oxetan-3-amine (91, 121); 1-((4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)amino)-2-methylpropan-2-ol (92, 122); N-(3-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclopentyl)oxetan-3-amine (93, 178, 273-274); 3-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(2-methoxy-2-methylpropyl)cyclopentan-1-amine (96, 123, 179); 2-(2,6-

dimethylpyridin-4-yl)-4-fluoro-3-isopropyl-5-(1-isopropylpiperidin-4-yl)-1H-pyrrolo[2,3-c]pyridine (97); 1-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-2-(methylamino)ethan-1-one (98); 1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(2-methoxyethyl)piperidin-4-amine (99); 1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(tetrahydro-2H-pyran-4-yl)piperidin-4-amine (100); 1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-isopropyl-N-methylpiperidin-4-amine (101); N-ethyl-1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methylpiperidin-4-amine (102); 1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(tetrahydrofuran-3-yl)piperidin-4-amine (103, 190); 1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methyl-N-(oxetan-3-yl)piperidin-4-amine (104); N-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)-N-methyloxetan-3-amine (106, 197); N-(4-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)oxetan-3-amine (107); 4-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-isopropyl-N-methylcyclohexan-1-amine (108, 261); 6-(5-(4-(azetidin-1-yl)cyclohexyl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methyl-[1,2,4]triazolo[1,5-a]pyridine (109, 262); 6-(1-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)-2-oxa-6-azaspiro[3.3]heptane (111); 1-(3-isopropyl-4-methyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-neopentylpiperidin-4-amine (112); 1-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-isopropylpiperidin-4-amine (113); 2-((4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)(oxetan-3-yl)amino)acetonitrile (114-115); N-ethyl-4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methylcyclohexan-1-amine (116, 268); 6-(3-(3-isopropyl-2-(8-methoxy-

[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclopentyl)-2-oxa-6-azaspiro[3.3]heptane (118, 141, 208-209); N-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)tetrahydro-2H-pyran-4-amine (119); N-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)tetrahydro-2H-pyran-4-amine (120); N-isopropyl-1-(3-isopropyl-4-methyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methylpiperidin-4-amine (124); 2-(4-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)acetamide (125); 6-(3-isopropyl-5-(4-(2-methoxyethyl)piperazin-1-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (126); 6-(4-fluoro-3-isopropyl-5-(1-(2,2,2-trifluoroethyl)piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (127); 1-(4-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-2-methylpropan-2-ol (128); 1-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-((3-methyloxetan-3-yl)methyl)piperidin-4-amine (129); 1-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methyl-N-(oxetan-3-yl)piperidin-4-amine (130); 6-(4-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)-2-oxa-6-azaspiro[3.3]heptane (132-133); N-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)tetrahydro-2H-pyran-4-amine (134, 232); 4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-ethyl-N-methylcyclohexan-1-amine (135, 263); 1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(oxetan-3-yl)piperidin-4-amine (137); N-ethyl-1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methylpiperidin-4-amine (138); 6-(1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)-2-oxa-6-azaspiro[3.3]heptane (139); 1-(3-isopropyl-4-methyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(oxetan-3-yl)piperidin-4-amine (140); 1-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-

3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(oxetan-3-yl)piperidin-4-amine (146); 1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-((3-methyloxetan-3-yl)methyl)piperidin-4-amine (147); N-(bicyclo[1.1.1]pentan-1-yl)-1-(3-isopropyl-4-methyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-amine (148); 6-(4-fluoro-3-isopropyl-5-(1-(2-(methylsulfonyl)ethyl)piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methyl-[1,2,4]triazolo[1,5-a]pyridine (149); 2-(4-(2-(2,6-dimethylpyridin-4-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-N-methylacetamide (150); 2-(2,6-dimethylpyridin-4-yl)-4-fluoro-3-isopropyl-5-(piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridine (151); 2-(4-(2-(2,6-dimethylpyridin-4-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)acetamide (152); 2-(4-(2-(2,6-dimethylpyridin-4-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-N,N-dimethylacetamide (153); 2-(dimethylamino)-1-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)ethan-1-one (154); 2-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)acetamide (155); 1-((1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)amino)-2-methylpropan-2-ol (156); 1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-isopropylpiperidin-4-amine (157); 2-((1-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)(methylamino)acetamide (158); N-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)tetrahydro-2H-pyran-4-amine (160, 194); 6-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)-2-oxa-6-azaspiro[3.3]heptane (161, 226); 4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-neopentylcyclohexan-1-amine (162, 229); N-ethyl-4-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methylcyclohexan-1-amine (163, 199); 6-(5-(4-(azetidin-1-yl)cyclohexyl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (165, 233); 1-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-

1H-pyrrolo[2,3-c]pyridin-5-yl)-N-isopropylpiperidin-4-amine (166); 1-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-neopentylpiperidin-4-amine (167); 4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-isopropyl-N-methylcyclohexan-1-amine (168); 1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-neopentylpiperidin-4-amine (169); 1-(3-isopropyl-4-methyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-((3-methyloxetan-3-yl)methyl)piperidin-4-amine (170); 4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-((3-methyloxetan-3-yl)methyl)cyclohexan-1-amine (171-172); 1-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(2-methoxy-2-methylpropyl)piperidin-4-amine (173); N-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)oxetan-3-amine (174, 267); (R)-4-((4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)amino)-3-fluoro-2-methylbutan-2-ol (175, 240); N-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)tetrahydro-2H-pyran-4-amine (176); N-ethyl-3-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methylcyclopentan-1-amine (177, 248-249, 272); 2-(4-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-N-methylacetamide (181); 6-(4-fluoro-3-isopropyl-5-(1-(oxetan-3-yl)piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methyl-[1,2,4]triazolo[1,5-a]pyridine (182); 6-(4-fluoro-3-isopropyl-5-(1-(2-methoxyethyl)piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methyl-[1,2,4]triazolo[1,5-a]pyridine (183); 6-(4-fluoro-3-isopropyl-5-(piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methyl-[1,2,4]triazolo[1,5-a]pyridine (184); 2-(dimethylamino)-1-(4-(2-(2,6-dimethylpyridin-4-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)ethan-1-one (185); 6-(3-isopropyl-4-methyl-5-(4-(2-(methylsulfonyl)ethyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (186); 6-(4-fluoro-3-isopropyl-5-(1-(tetrahydro-2H-pyran-4-yl)piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methyl-[1,2,4]triazolo[1,5-a]

pyridine (187); 1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(3-methyloxetan-3-yl)piperidin-4-amine (188); N-(2,2-difluoroethyl)-1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methylpiperidin-4-amine (189); 1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methylpiperidin-4-amine (191); 4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-((3-methyloxetan-3-yl)methyl)cyclohexan-1-amine (193, 225); 1-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methyl-N-neopentylpiperidin-4-amine (196); 4-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-isopropylcyclohexan-1-amine (198, 230); 4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-neopentylcyclohexan-1-amine (200, 234); 1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(tetrahydro-2H-pyran-4-yl)piperidin-4-amine (201); N-isopropyl-1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-amine (202); 4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-((3-methyloxetan-3-yl)methyl)cyclohexan-1-amine (203-204); 1-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(tetrahydro-2H-pyran-4-yl)piperidin-4-amine (205); 4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(2-methoxy-2-methylpropyl)cyclohexan-1-amine (206-207); 3-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(2-methoxy-2-methylpropyl)cyclopentan-1-amine (211); 6-(4-fluoro-3-isopropyl-5-(1-isopropylpiperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methyl-[1,2,4]triazolo[1,5-a]pyridine (212); 1-(4-(2-(2,6-dimethylpyridin-4-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-2-(methylamino)ethan-1-one (214); 2-(2,6-dimethylpyridin-4-yl)-4-fluoro-3-isopropyl-5-(1-((3-methyloxetan-3-yl)methyl)piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridine (215); 2-(2,6-dimethylpyridin-4-yl)-4-fluoro-3-isopropyl-5-(1-(2-methoxyethyl)piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridine

(216); 6-(4-fluoro-3-isopropyl-5-(1-(tetrahydro-2H-pyran-4-yl)piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (217); 1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N,N-dimethylpiperidin-4-amine (218); 1-(4-fluoro-3-isopropyl-2-(8-methyl-

5 [1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-isopropylpiperidin-4-amine (219); 1-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(tetrahydro-2H-pyran-4-yl)piperidin-4-amine (220); 2-((1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)(methylamino)-N-methylacetamide (221); 2-

10 ((1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)(methylamino)acetamide (222); N-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)oxetan-3-amine (223-224); N-(4-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)-3-

15 methyloxetan-3-amine (231); N-ethyl-1-(3-isopropyl-4-methyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methylpiperidin-4-amine (235); N-isopropyl-1-(3-isopropyl-4-methyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-amine (236); 1-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-

20 N-(oxetan-3-yl)piperidin-4-amine (237); N-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)bicyclo[1.1.1]pentan-1-amine (238-239); N-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)tetrahydro-2H-pyran-4-amine (241); N-(4-(3-isopropyl-2-(8-methoxy-

25 [1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)oxetan-3-amine (242-243); N-(2-fluoro-2-methylpropyl)-4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexan-1-amine (244, 271); 6-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)-2-oxa-6-

30 azaspiro[3.3]heptane (245-246); 6-(4-fluoro-3-isopropyl-5-(1-((3-methyloxetan-3-yl)methyl)piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methyl-[1,2,4]triazolo[1,5-a]

pyridine (250); 2-(2,6-dimethylpyridin-4-yl)-4-fluoro-3-isopropyl-5-(1-(oxetan-3-yl)piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridine (251); 2-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-N,N-dimethylacetamide (252); 6-(5-(4-(azetidin-1-yl)piperidin-1-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (253); 6-(1-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)-2-oxa-6-azaspiro[3.3]heptane (254); 1-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(oxetan-3-yl)piperidin-4-amine (255); 1-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N,N-dimethylpiperidin-4-amine (256); N-(2,2-difluoroethyl)-1-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methylpiperidin-4-amine (257); 1-((1-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)amino)-2-methylpropan-2-ol (258); 2-((1-(4-fluoro-3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)(methylamino)-N-methylacetamide (259); 1-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(tetrahydro-2H-pyran-4-yl)piperidin-4-amine (264); 1-(3-isopropyl-4-methyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(tetrahydro-2H-pyran-4-yl)piperidin-4-amine (265); (1-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)azetidine-3,3-diyl)dimethanol (266); 4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-((3-methyloxetan-3-yl)methyl)cyclohexan-1-amine (269-270); 4-(1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)morpholine (278); 6-(5-(4-(azetidin-1-yl)piperidin-1-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methyl-[1,2,4]triazolo[1,5-a]pyridine (279); 3-(((1-(3-isopropyl-4-methyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)(methylamino)propanenitrile (280); 4-(1-(3-isopropyl-4-methyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)thiomorpholine 1,1-dioxide (281); 4-(1-(3-isopropyl-4-

methyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)
 piperidin-4-yl)morpholine (282); 1-((1-(3-isopropyl-4-methyl-2-(8-methyl-
 [1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)amino)-
 2-methylpropan-2-ol (283); 4-(1-(3-isopropyl-4-methyl-2-(8-methyl-[1,2,4]triazolo[1,5-
 5 a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)piperazin-2-one (284); 6-(3-
 isopropyl-4-methyl-5-(4-(4-(methylsulfonyl)piperazin-1-yl)piperidin-1-yl)-1H-
 pyrrolo[2,3-c]pyridin-2-yl)-8-methyl-[1,2,4]triazolo[1,5-a]pyridine (285); 3-(ethyl(1-(3-
 isopropyl-4-methyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]
 pyridin-5-yl)piperidin-4-yl)amino)propanenitrile (286); 2-(4-(3-isopropyl-2-(8-methyl-
 10 [1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-N-
 methylacetamide (287); 2-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-
 yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-N-methylacetamide (288); 1-(4-(3-
 isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-
 yl)piperazin-1-yl)-2-(methylamino)ethan-1-one (289); 6-(3-isopropyl-5-(4-(2-
 15 (methylsulfonyl)ethyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-
 [1,2,4]triazolo[1,5-a]pyridine (290); 1-(4-(4-chloro-3-isopropyl-2-(8-methoxy-
 [1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-2-
 (methylamino)ethan-1-one (291); 2-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]
 pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-N-methylacetamide (292); 2-
 20 (4-(4-chloro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-
 pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-N-methylacetamide (293); 6-(4-chloro-3-
 isopropyl-5-(4-(2-(methylsulfonyl)ethyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-
 8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (294); 1-(4-(3-isopropyl-2-(8-methoxy-
 [1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-2-
 25 methylpropan-2-ol (296); 2-(4-(3-isopropyl-2-(8-methyl-[1,2,4]triazolo[1,5-a]pyridin-6-
 yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-N,N-dimethylacetamide (297, 302); 2-
 (4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]
 pyridin-5-yl)piperidin-1-yl)-N,N-dimethylacetamide (298); 2-(4-(3-isopropyl-2-(8-
 methyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)-
 30 N,N-dimethylacetamide (299); 2-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]
 pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-N,N-dimethylacetamide

(300); 6-(3-isopropyl-5-(piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methyl-[1,2,4]triazolo[1,5-a]pyridine (301); 6-(3-isopropyl-5-(4-(oxetan-3-yl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (303); 1-(4-(4-chloro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-2-(dimethylamino)ethan-1-one (304); 2-(4-(4-chloro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-N,N-dimethylacetamide (305); 6-(3-isopropyl-5-(1-(oxetan-3-yl)piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (306); N-isopropyl-1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-amine (307); N-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)oxetan-3-amine (308, 330); 6-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)-2-oxa-6-azaspiro[3.3]heptane (309); 4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-neopentylcyclohexan-1-amine (310, 325); 6-(5-(4-(azetidin-1-yl)cyclohexyl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (311, 335); 6-(3-isopropyl-5-(piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (312); 1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(3-methylbutan-2-yl)piperidin-4-amine (313); 1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methyl-N-(oxetan-3-yl)piperidin-4-amine (314); N-isopropyl-4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexan-1-amine (315, 323); N-ethyl-4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-methylcyclohexan-1-amine (316, 331); N-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)tetrahydrofuran-3-amine (317, 342); 4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-isopropylcyclohexan-1-amine (318, 326); 2-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)acetamide (319); 1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(oxetan-3-yl)piperidin-4-amine (320); 1-(3-isopropyl-2-(8-

methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(tetrahydro-2H-pyran-4-yl)piperidin-4-amine (321); 1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-((3-methyloxetan-3-yl)methyl)piperidin-4-amine (322); 6-(5-(4-(azetidin-1-yl)cyclohexyl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (324, 332); N-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)tetrahydrofuran-3-amine (327, 349); 2-((4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)(methyl)amino)-N-methylacetamide (328, 338); 2-((1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)amino)-N-methylacetamide (329); 2-((1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)amino)-N,N-dimethylacetamide (333); N-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexyl)oxetan-3-amine (334, 346); N-(2,2-difluoroethyl)-4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)cyclohexan-1-amine (336, 350); 4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-neopentylcyclohexan-1-amine (337, 351); N-(1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)-2-(methylamino)acetamide (339); 4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-N,N-dimethylcyclohexan-1-amine (340); 6-(3-isopropyl-5-(1-(oxetan-3-yl)piperidin-4-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methyl-[1,2,4]triazolo[1,5-a]pyridine (341); 2-(dimethylamino)-1-(4-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-1-yl)ethan-1-one (343); 2-(dimethylamino)-N-(1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)acetamide (344); 2-((1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-yl)amino)acetamide (345); 4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-N-(2-methoxyethyl)cyclohexan-1-amine (347-348); 2-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-N,N-

dimethylacetamide (352); 6-(4-fluoro-3-isopropyl-5-(piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (353); (R)-6-(4-fluoro-3-isopropyl-5-(2-methylpiperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (354); 6-(4-fluoro-3-isopropyl-5-(2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (355); 2-(6-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-N-methylacetamide (356); 6-(4-fluoro-3-isopropyl-5-(6-(2-(methylsulfonyl)ethyl)-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (357); 2-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)acetamide (358); 2-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-N-methylacetamide (359); 2-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-N,N-dimethylacetamide (360); 6-(4-fluoro-3-isopropyl-5-(4-(2-methoxyethyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (361); 6-(4-fluoro-3-isopropyl-5-(4-(2-(methylsulfonyl)ethyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (362); 2-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-1-morpholinoethan-1-one (363); 1-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-2-methylpropan-2-ol (364); 2-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)acetonitrile (365); 6-(4-fluoro-3-isopropyl-5-(4-(2,2,2-trifluoroethyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (366); 1-(6-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-2-morpholinoethan-1-one (367); 2-(dimethylamino)-1-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)ethan-1-one (368); 6-(4-fluoro-3-isopropyl-5-(6-(oxetan-3-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (369); 6-(4-fluoro-3-isopropyl-5-(6-

(tetrahydro-2H-pyran-4-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (370); 6-(4-fluoro-3-isopropyl-5-(6-((tetrahydro-2H-pyran-4-yl)methyl)-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (371); 6-(4-fluoro-5-(6-isobutyl-2,6-diazaspiro[3.3]heptan-2-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (372); 6-(4-fluoro-3-isopropyl-5-(6-isopropyl-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (373); 6-(5-(6-(cyclopropylmethyl)-2,6-diazaspiro[3.3]heptan-2-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (374); 6-(5-(6-(cyclobutylmethyl)-2,6-diazaspiro[3.3]heptan-2-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (375); 6-(4-fluoro-3-isopropyl-5-(6-((3-methyloxetan-3-yl)methyl)-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (376); 6-(4-fluoro-3-isopropyl-5-(6-(1-isopropylpiperidin-4-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (377); 6-(4-fluoro-3-isopropyl-5-(6-methyl-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (378); 6-(5-(6-ethyl-2,6-diazaspiro[3.3]heptan-2-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (379); 6-(4-fluoro-3-isopropyl-5-(6-propyl-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (380); 6-(5-(6-cyclobutyl-2,6-diazaspiro[3.3]heptan-2-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (381); 6-(4-fluoro-3-isopropyl-5-(4-(oxetan-3-yl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (382); 6-(4-fluoro-3-isopropyl-5-(4-((tetrahydro-2H-pyran-4-yl)methyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (383); 6-(4-fluoro-3-isopropyl-5-(4-isopropylpiperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (384); 6-(4-fluoro-3-isopropyl-5-(4-((3-methyloxetan-3-yl)methyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (385); 6-(4-fluoro-3-isopropyl-5-(4-(tetrahydro-2H-pyran-3-yl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-

methoxy-[1,2,4]triazolo[1,5-a]pyridine (386-387); 6-(4-fluoro-3-isopropyl-5-(4-(1-isopropylpiperidin-4-yl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (388); 6-(5-(4-ethylpiperazin-1-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (389); 6-(5-(4-(cyclopropylmethyl)piperazin-1-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (390); 6-(5-(4-cyclobutylpiperazin-1-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (391); 6-(4-fluoro-3-isopropyl-5-(2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (392); 6-(4-fluoro-3-isopropyl-5-(piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (393); 6-(4-fluoro-3-isopropyl-5-(2-methylpiperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (394); 2-(6-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-N-methylacetamide (395); 6-(4-fluoro-3-isopropyl-5-(6-(2-(methylsulfonyl)ethyl)-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (396); 2-(6-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptan-2-yl)acetonitrile (397); 6-(4-fluoro-3-isopropyl-5-(4-(2-(methylsulfonyl)ethyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (398); 1-(6-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-2-morpholinoethan-1-one (399); 6-(4-fluoro-3-isopropyl-5-(6-(oxetan-3-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (400); 6-(4-fluoro-3-isopropyl-5-(6-(tetrahydro-2H-pyran-4-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (401); 6-(4-fluoro-5-(6-isobutyl-2,6-diazaspiro[3.3]heptan-2-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (402); 6-(4-fluoro-3-isopropyl-5-(6-isopropyl-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (403); 6-(5-(6-(cyclobutylmethyl)-2,6-diazaspiro[3.3]heptan-2-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-

dimethyl-[1,2,4]triazolo[1,5-a]pyridine (404); 6-(4-fluoro-3-isopropyl-5-(6-((3-methyloxetan-3-yl)methyl)-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (405); 6-(4-fluoro-3-isopropyl-5-(6-(1-isopropylpiperidin-4-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (406); 6-(4-fluoro-3-isopropyl-5-(6-methyl-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (407); 6-(5-(6-ethyl-2,6-diazaspiro[3.3]heptan-2-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (408); 6-(4-fluoro-3-isopropyl-5-(4-(oxetan-3-yl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (409); 6-(4-fluoro-3-isopropyl-5-(4-((3-methyloxetan-3-yl)methyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (410); 6-(4-fluoro-3-isopropyl-5-(4-((tetrahydro-2H-pyran-4-yl)methyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (411); 6-(4-fluoro-3-isopropyl-5-(4-isopropylpiperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (412); 2-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-N-methylacetamide (413); 2-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)acetamide (414); 6-(3-isopropyl-4-methyl-5-(4-(2-(methylsulfonyl)ethyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (415); 1-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-3-isopropyl-4-methyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-2-(dimethylamino)ethan-1-one (416); 6-(3-isopropyl-4-methyl-5-(4-(oxetan-3-yl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (417); 6-(3-isopropyl-4-methyl-5-(4-(tetrahydro-2H-pyran-4-yl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (418); 6-(3-isopropyl-4-methyl-5-(4-((tetrahydro-2H-pyran-4-yl)methyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (419); 1-(3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)piperidin-4-amine (420); 1-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-

c]pyridin-5-yl)piperazin-1-yl)-2-morpholinoethan-1-one (421); 1-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-2-(dimethylamino)ethan-1-one (422); 2-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-1-morpholinoethan-1-one (423); 6-(4-fluoro-3-isopropyl-5-(4-(2-methoxyethyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (424); 6-(4-fluoro-3-isopropyl-5-(4-(methylsulfonyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (425); 1-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-2-methylpropan-2-ol (426); 1-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)ethan-1-one (427); 2-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)-N,N-dimethylacetamide (428); 2-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)piperazin-1-yl)acetamide (429); 6-(5-(4-(cyclopropylmethyl)piperazin-1-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (430); 6-(4-fluoro-3-isopropyl-5-(4-(tetrahydro-2H-pyran-4-yl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (431); 6-(4-fluoro-3-isopropyl-5-(4-neopentyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (432); 6-(5-(4-ethylpiperazin-1-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (433); 6-(4-fluoro-3-isopropyl-5-(6-(2,2,2-trifluoroethyl)-2,6-diazaspiro[3.3]heptan-2-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (434); 1-(6-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-2,6-diazaspiro[3.3]heptan-2-yl)-2-(dimethylamino)ethan-1-one (435); (R)-6-(5-(2,4-dimethylpiperazin-1-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (436); (R)-6-(4-fluoro-3-isopropyl-5-(2-methyl-4-propylpiperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (437); (R)-1-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-3-methylpiperazin-1-

yl)-2-morpholinoethan-1-one (438); (R)-2-(dimethylamino)-1-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-3-methylpiperazin-1-yl)ethan-1-one (439); (R)-6-(4-fluoro-3-isopropyl-5-(2-methyl-4-(oxetan-3-yl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (440); (R)-6-(5-(4-(cyclopropylmethyl)-2-methylpiperazin-1-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (441); (R)-6-(5-(4-(cyclopropylmethyl)-2-methylpiperazin-1-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (442); (R)-6-(4-fluoro-3-isopropyl-5-(4-isopropyl-2-methylpiperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (443); (R)-6-(4-fluoro-3-isopropyl-5-(4-(2-methoxyethyl)-2-methylpiperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (444); (R)-2-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-3-methylpiperazin-1-yl)-N-methylacetamide (445); (R)-2-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-3-methylpiperazin-1-yl)-N,N-dimethylacetamide (446); (R)-2-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-3-methylpiperazin-1-yl)acetamide (447); (R)-2-(4-(4-fluoro-3-isopropyl-2-(8-methoxy-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-pyrrolo[2,3-c]pyridin-5-yl)-3-methylpiperazin-1-yl)-1-morpholinoethan-1-one (448); (R)-6-(4-fluoro-3-isopropyl-5-(2-methyl-4-(2,2,2-trifluoroethyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (449); (R)-6-(4-fluoro-3-isopropyl-5-(2-methyl-4-(2-(methylsulfonyl)ethyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (450); (R)-6-(4-fluoro-3-isopropyl-5-(4-(1-isopropylpiperidin-4-yl)-2-methylpiperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (451); (R)-6-(4-fluoro-3-isopropyl-5-(2-methyl-4-(tetrahydro-2H-pyran-4-yl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (452); (R)-6-(4-fluoro-5-(4-isobutyl-2-methylpiperazin-1-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-8-methoxy-[1,2,4]triazolo[1,5-a]pyridine (453); (R)-6-(5-(2,4-dimethylpiperazin-1-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (454); (R)-6-(4-fluoro-3-

isopropyl-5-(2-methyl-4-propylpiperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (455); (R)-6-(4-fluoro-3-isopropyl-5-(2-methyl-4-(tetrahydro-2H-pyran-4-yl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (456); (R)-6-(4-fluoro-3-isopropyl-5-(2-methyl-4-(oxetan-3-yl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (457); (R)-6-(5-(4-cyclobutyl-2-methylpiperazin-1-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (458); (R)-6-(5-(4-(cyclopropylmethyl)-2-methylpiperazin-1-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (459); (R)-6-(4-fluoro-5-(4-isobutyl-2-methylpiperazin-1-yl)-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (460); (R)-6-(4-fluoro-3-isopropyl-5-(4-isopropyl-2-methylpiperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (461); (R)-6-(4-fluoro-3-isopropyl-5-(4-(1-isopropylpiperidin-4-yl)-2-methylpiperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (462); (R)-6-(4-fluoro-3-isopropyl-5-(2-methyl-4-(2-(methylsulfonyl)ethyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (463); (R)-2-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-3-methylpiperazin-1-yl)acetamide (464); (R)-2-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-3-methylpiperazin-1-yl)-N-methylacetamide (465); (R)-2-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-3-methylpiperazin-1-yl)-N,N-dimethylacetamide (466); (R)-2-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-3-methylpiperazin-1-yl)acetonitrile (467); (R)-6-(4-fluoro-3-isopropyl-5-(2-methyl-4-(2,2,2-trifluoroethyl)piperazin-1-yl)-1H-pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (468); (R)-2-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-3-methylpiperazin-1-yl)-1-morpholinoethan-1-one (469); (R)-1-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-1H-pyrrolo[2,3-c]pyridin-5-yl)-3-methylpiperazin-1-yl)-2-(dimethylamino)ethan-1-one (470); (R)-1-(4-(2-(7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridin-6-yl)-4-fluoro-3-isopropyl-

1H-pyrrolo[2,3-c]pyridin-5-yl)-3-methylpiperazin-1-yl)-2-morpholinoethan-1-one (471);
or (R)-6-(4-fluoro-3-isopropyl-5-(4-(2-methoxyethyl)-2-methylpiperazin-1-yl)-1H-
pyrrolo[2,3-c]pyridin-2-yl)-7,8-dimethyl-[1,2,4]triazolo[1,5-a]pyridine (472).

- 5 8. A pharmaceutical composition comprising a compound according to any one of claims
1-7 or a pharmaceutically-acceptable salt thereof; and a pharmaceutically acceptable
carrier.
9. A compound according to any one of claims 1-7 or a pharmaceutically-acceptable salt
10 thereof, or a pharmaceutically-acceptable salt thereof, for use in therapy in treating
autoimmune disease or chronic inflammatory disease.
10. The compound according to claim 9 or a pharmaceutically-acceptable salt thereof,
wherein said autoimmune disease or chronic inflammatory disease is selected from
15 systemic lupus erythematosus (SLE), rheumatoid arthritis, multiple sclerosis (MS), and
Sjögren's syndrome.

