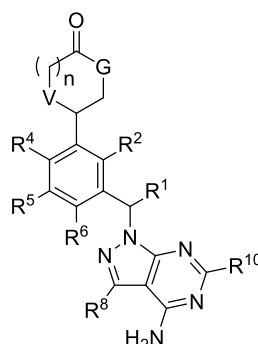


The Claims defining the invention are as follows:

1. A compound of Formula VIIa:



VIIa

or a pharmaceutically acceptable salt thereof, wherein:

G is NH, n is 1, and V is O; or

G is NH, n is 0, and V is CH₂; or

G is O, n is 0 and V is NH;

R¹ is C₁₋₃ alkyl;

R² is halo, C₁₋₆ alkyl, C₁₋₆ alkoxy, C₁₋₆ haloalkyl, C₁₋₆ haloalkoxy, phenyl, or 5-6 membered heteroaryl; wherein said phenyl and 5-6 membered heteroaryl are each optionally substituted by 1, 2, 3, or 4 substituents independently selected from halo, OH, CN, C₁₋₄ alkyl, C₁₋₄ alkoxy, and C₁₋₄ haloalkoxy;

R⁴ is H, halo, OH, CN, C₁₋₄ alkyl, C₁₋₄ haloalkyl, C₁₋₄ alkoxy, or C₁₋₄ haloalkoxy;

R⁵ is halo, OH, CN, C₁₋₄ alkyl, C₁₋₄ haloalkyl, C₁₋₄ alkoxy, C₁₋₄ haloalkoxy, or cyclopropyl;

R⁶ is H, halo, OH, CN, C₁₋₄ alkyl, C₁₋₄ haloalkyl, C₁₋₄ alkoxy, or C₁₋₄ haloalkoxy;

R⁸ is H, halo, -OH, -CN, C₁₋₆ alkyl, C₂₋₆ alkenyl, C₂₋₆ alkynyl, C₁₋₆ haloalkyl, Cy², -(C₁₋₃ alkylene)-Cy², OR^{a2}, SR^{a2}, C(=O)R^{b2}, C(=O)NR^{c2}R^{d2}, C(=O)OR^{a2}, OC(=O)R^{b2}, OC(=O)NR^{c2}R^{d2}, NR^{c2}R^{d2}, NR^{c2}C(=O)R^{b2}, NR^{c2}C(=O)OR^{b2}, NR^{c2}C(=O)NR^{c2}R^{d2}, C(=NR^e)R^{b2}, C(=NR^e)NR^{c2}R^{d2}, NR^{c2}C(=NR^e)NR^{c2}R^{d2}, NR^{c2}S(=O)R^{b2}, NR^{c2}S(=O)₂NR^{c2}R^{d2}, S(=O)R^{b2}, S(=O)₂R^{b2}, or S(=O)₂NR^{c2}R^{d2}; wherein said C₁₋₆ alkyl, C₂₋₆ alkenyl, C₂₋₆ alkynyl are each optionally substituted by 1, 2, 3, or 4 independently selected R¹¹ groups;

R¹⁰ is H or C₁₋₄ alkyl;

each R^e is independently selected from H, CN, OH, C₁₋₄ alkyl, and C₁₋₄ alkoxy;

each Cy² is independently selected from C₃₋₇ cycloalkyl, 4-7 membered heterocycloalkyl, phenyl, 5-6 membered heteroaryl, or 9-10-membered bicyclic heteroaryl, each of which is optionally substituted with 1, 2, 3, or 4 independently selected R¹¹ groups;

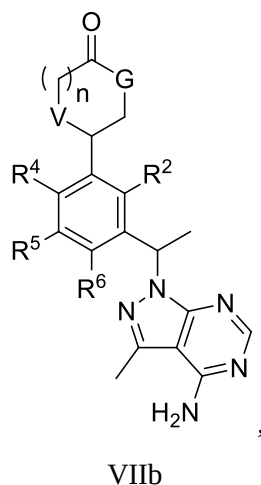
each R^{a2}, R^{b2}, R^{c2}, and R^{d2} is independently selected from H, C₁₋₆ alkyl, C₁₋₆ haloalkyl, C₂₋₆ alkenyl, C₂₋₆ alkynyl, C₃₋₇ cycloalkyl, 4-7 membered heterocycloalkyl, phenyl, and 5-6 membered

heteroaryl; wherein said C₁₋₆ alkyl, C₂₋₆ alkenyl, C₂₋₆ alkynyl, C₃₋₇ cycloalkyl, 4-7 membered heterocycloalkyl, phenyl and 5-6 membered heteroaryl are each optionally substituted with 1, 2, or 3 independently selected R¹¹ groups;

or R^{c2} and R^{d2} together with the N atom to which they are attached form a 4-, 5-, 6-, or 7 membered heterocycloalkyl group, which is optionally substituted with -OH or C₁₋₃ alkyl; and

each R¹¹ is independently selected from OH, NO₂, CN, halo, C₁₋₃ alkyl, C₂₋₃ alkenyl, C₂₋₃ alkynyl, C₁₋₃ haloalkyl, cyano-C₁₋₃ alkyl, HO-C₁₋₃ alkyl, C₁₋₃ alkoxy-C₁₋₃ alkyl, C₃₋₇ cycloalkyl, C₁₋₃ alkoxy, C₁₋₃ haloalkoxy, amino, C₁₋₃ alkylamino, di(C₁₋₃ alkyl)amino, thio, C₁₋₃ alkylthio, C₁₋₃ alkylsulfinyl, C₁₋₃ alkylsulfonyl, carbamyl, C₁₋₃ alkylcarbamyl, di(C₁₋₃ alkyl)carbamyl, carboxy, C₁₋₃ alkylcarbonyl, C₁₋₄ alkoxy carbonyl, C₁₋₃ alkylcarbonylamino, C₁₋₃ alkylsulfonylamino, aminosulfonyl, C₁₋₃ alkylaminosulfonyl, di(C₁₋₃ alkyl)aminosulfonyl, aminosulfonylamino, C₁₋₃ alkylaminosulfonylamino, di(C₁₋₃ alkyl)aminosulfonylamino, aminocarbonylamino, C₁₋₃ alkylaminocarbonylamino, and di(C₁₋₃ alkyl)aminocarbonylamino.

2. The compound of claim 1, having Formula VIIb:



or a pharmaceutically acceptable salt thereof.

~~3. The compound of claim 1 or claim 2, or a pharmaceutically acceptable salt thereof, wherein:~~

~~G is NH;~~

~~n is 0;~~

~~V is CH₂;~~

~~R² is C₁₋₃ alkoxy;~~

~~R⁴ is halo, CN, or C₁₋₄ alkyl;~~

~~R⁵ is halo; and~~

~~R⁶ is H.~~

~~4. The compound of claim 1 or claim 2, or a pharmaceutically acceptable salt thereof, wherein:~~

~~_____ G is NH;~~
~~_____ n is 1;~~
~~_____ V is O;~~
~~_____ R² is C₁₋₃ alkoxy;~~
~~_____ R⁴ is halo, CN, or C₁₋₄ alkyl;~~
~~_____ R⁵ is halo; and~~
~~_____ R⁶ is H.~~

5. ~~The compound of claim 1 or claim 2, or a pharmaceutically acceptable salt thereof, wherein:~~

~~_____ G is O;~~
~~_____ n is 0;~~
~~_____ V is NH;~~
~~_____ R² is C₁₋₃ alkoxy;~~
~~_____ R⁴ is halo;~~
~~_____ R⁵ is halo; and~~
~~_____ R⁶ is H.~~

63. The compound of claim 1, selected from:

4-{3-[1-(4-amino-3-methyl-1*H*-pyrazolo[3,4-*d*]pyrimidin-1-yl)ethyl]-5-chloro-2-ethoxy-6-methylphenyl}pyrrolidin-2-one;

6-{3-[1-(4-Amino-3-methyl-1*H*-pyrazolo[3,4-*d*]pyrimidin-1-yl)ethyl]-5-chloro-2-methoxy-6-methylphenyl}morpholin-3-one;

4-{3-[1-(4-amino-3-methyl-1*H*-pyrazolo[3,4-*d*]pyrimidin-1-yl)ethyl]-5-chloro-2-ethoxy-6-fluorophenyl}pyrrolidin-2-one;

4-[1-(4-amino-3-methyl-1*H*-pyrazolo[3,4-*d*]pyrimidin-1-yl)ethyl]-6-chloro-3-ethoxy-2-(5-oxopyrrolidin-3-yl)benzonitrile; and

4-{3-[1-(4-amino-3-methyl-1*H*-pyrazolo[3,4-*d*]pyrimidin-1-yl)ethyl]-5-chloro-2-ethoxy-6-fluorophenyl}-1,3-oxazolidin-2-one;

or a pharmaceutically acceptable salt thereof of any of the aforementioned.

74. The compound of claim 1, which is 4-{3-[1-(4-amino-3-methyl-1*H*-pyrazolo[3,4-*d*]pyrimidin-1-yl)ethyl]-5-chloro-2-ethoxy-6-fluorophenyl}pyrrolidin-2-one, or a pharmaceutically acceptable salt thereof.

85. The compound of claim 1, which is (S)-4-(3-((S)-1-(4-amino-3-methyl-1*H*-pyrazolo[3,4-*d*]pyrimidin-1-yl)ethyl)-5-chloro-2-ethoxy-6-fluorophenyl)pyrrolidin-2-one, or a pharmaceutically acceptable salt thereof.

~~96.~~ The compound of claim 1, which is (R)-4-(3-((S)-1-(4-amino-3-methyl-1H-pyrazolo[3,4-d]pyrimidin-1-yl)ethyl)-5-chloro-2-ethoxy-6-fluorophenyl)pyrrolidin-2-one, or a pharmaceutically acceptable salt thereof.

~~107.~~ The compound of claim 1, which is (S)-4-(3-((R)-1-(4-amino-3-methyl-1H-pyrazolo[3,4-d]pyrimidin-1-yl)ethyl)-5-chloro-2-ethoxy-6-fluorophenyl)pyrrolidin-2-one, or a pharmaceutically acceptable salt thereof.

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~~118.~~ The compound of claim 1, which is (R)-4-(3-((R)-1-(4-amino-3-methyl-1H-pyrazolo[3,4-d]pyrimidin-1-yl)ethyl)-5-chloro-2-ethoxy-6-fluorophenyl)pyrrolidin-2-one, or a pharmaceutically acceptable salt thereof.

~~129.~~ A pharmaceutical composition comprising a compound of any one of claims 1 to ~~118~~, or a pharmaceutically acceptable salt thereof, and at least one pharmaceutically acceptable carrier.