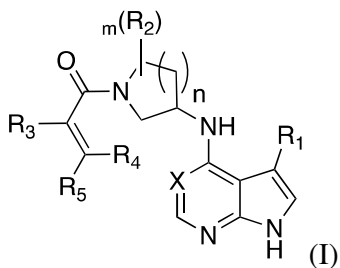


CLAIMS

1. A compound of Formula (I):



wherein:

X is N;

n is 1 or 2;

m is 0, 1, or 2;

R₁ is selected from COOR₆, C₁-C₅ alkyl-COOR₆, bicycloalkyl, C₁-C₅-alkyl-heterocyclyl, C₁-alkyl-C₃-C₆-cycloalkyl, C₃-C₆ cycloalkyl, C(O)C₁-C₅ alkyl, C(O)C₃-C₆ cycloalkyl, where cycloalkyl, bicycloalkyl, heterocyclyl, and alkyl are optionally substituted with one or more groups selected from C₂-C₅ alkyl, C₁-C₅ alkoxy, C₁-C₅ alkyl-C₁-C₅ alkoxy, CN, halogen, COOR₆, or C₁-C₅-alkyl-COOR₆;

R₂ is selected from H, C₁ alkyl, C₃-C₆ cycloalkyl, C₁-C₅-alkyl-C₃-C₆-cycloalkyl, CN, OH, C₁-C₅ alkoxy, and halogen where two R₂ groups on the same carbon may be joined with or without a heteroatom to make a spirocyclic ring system;

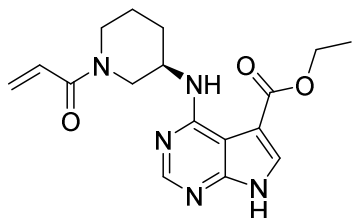
R₃ is H;

R₄ is selected from H, C₁-C₆ alkyl;

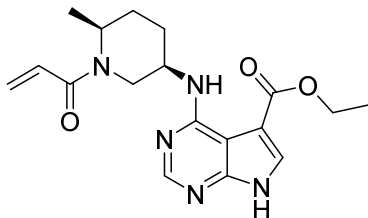
R₅ is selected from H, C₁-C₆ alkyl-N(C₁-C₆ alkyl)(C₁-C₆ alkyl);

R₆ is selected from H, C₁-C₅ alkyl, C₃-C₆ cycloalkyl, C₁-C₅-alkyl-C₃-C₆-cycloalkyl, C₁-C₅ alkyl-C₁-C₅ alkoxy, C₁-C₅ alkyl-OH, C₁-C₅ alkyl-NH₂, C₁-C₅ alkyl-NH-C₁-C₅ alkyl, and C₁-C₅ alkyl-N-(C₁-C₅ alkyl)(C₁-C₅ alkyl); and a derivative thereof.

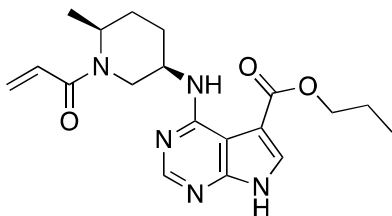
2. The compound of Claim 1, wherein the compound, or a derivative thereof, is selected from:



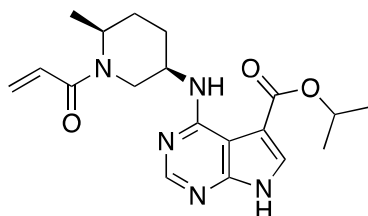
ethyl (*R*)-4-((1-acryloylpiperidin-3-yl)amino)-7*H*-pyrrolo[2,3-*d*]pyrimidine-5-carboxylate



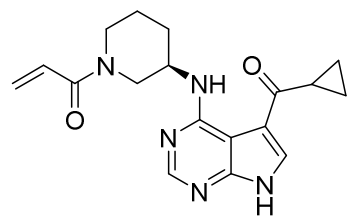
ethyl 4-(((3*R*,6*S*)-1-acryloyl-6-methylpiperidin-3-yl)amino)-7*H*-pyrrolo[2,3-*d*]pyrimidine-5-carboxylate



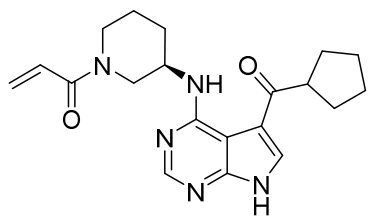
propyl 4-(((3*R*,6*S*)-1-acryloyl-6-methylpiperidin-3-yl)amino)-7*H*-pyrrolo[2,3-*d*]pyrimidine-5-carboxylate



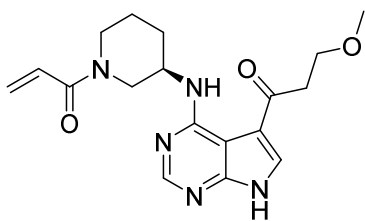
isopropyl 4-(((3*R*,6*S*)-1-acryloyl-6-methylpiperidin-3-yl)amino)-7*H*-pyrrolo[2,3-*d*]pyrimidine-5-carboxylate



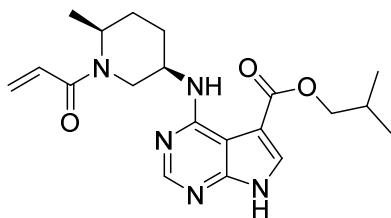
(*R*)-1-(3-((5-(cyclopropanecarbonyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)piperidin-1-yl)prop-2-en-1-one



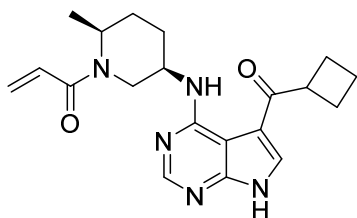
(*R*)-1-(3-((5-(cyclopentanecarbonyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)piperidin-1-yl)prop-2-en-1-one



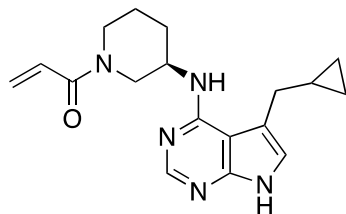
(*R*)-1-(3-((3-(3-methoxypropanoyl)-1*H*-pyrrolo[2,3-*b*]pyridin-4-yl)amino)piperidin-1-yl)prop-2-en-1-one



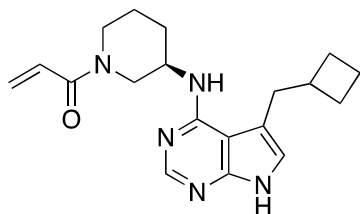
isobutyl 4-(((3*R*,6*S*)-1-acryloyl-6-methylpiperidin-3-yl)amino)-7*H*-pyrrolo[2,3-*d*]pyrimidine-5-carboxylate



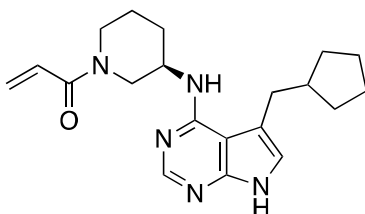
1-((2*S*,5*R*)-5-((5-(cyclobutanecarbonyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one



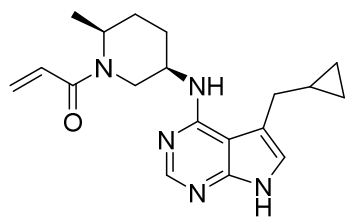
(*R*)-1-(3-((5-(cyclopropylmethyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)piperidin-1-yl)prop-2-en-1-one



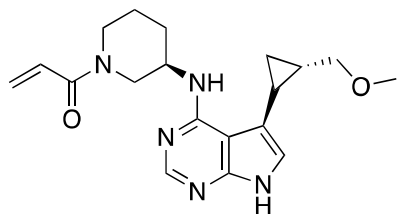
(*R*)-1-(3-((5-(cyclobutylmethyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)piperidin-1-yl)prop-2-en-1-one



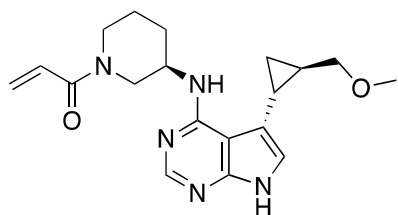
(*R*)-1-(3-((3-(cyclopentylmethyl)-1*H*-pyrrolo[2,3-*b*]pyridin-4-yl)amino)piperidin-1-yl)prop-2-en-1-one



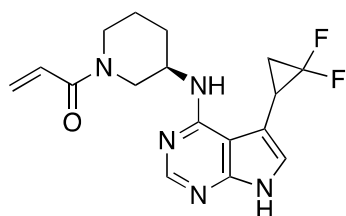
1-((2*S*,5*R*)-5-((5-(cyclopropylmethyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one ,



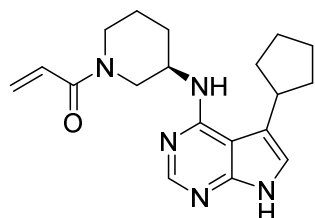
1-((*R*)-3-((5-((1*S*,2*S*)-2-(methoxymethyl)cyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)piperidin-1-yl)prop-2-en-1-one ,



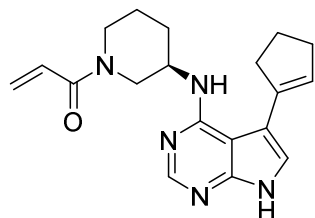
1-((*R*)-3-((5-((1*R*,2*R*)-2-(methoxymethyl)cyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)piperidin-1-yl)prop-2-en-1-one ,



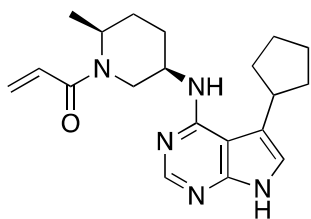
1-((3*R*)-3-((5-(2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)piperidin-1-yl)prop-2-en-1-one ,



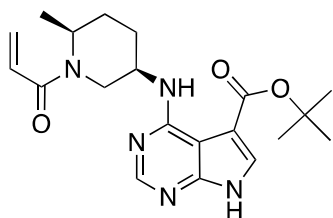
(*R*)-1-(3-((3-cyclopentyl)-1*H*-pyrrolo[2,3-*b*]pyridin-4-yl)amino)piperidin-1-yl)prop-2-en-1-one ,



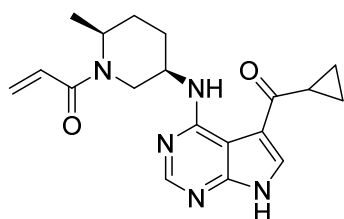
(*R*)-1-(3-((3-(cyclopent-1-en-1-yl)-1*H*-pyrrolo[2,3-*b*]pyridin-4-yl)amino)piperidin-1-yl)prop-2-en-1-one ,



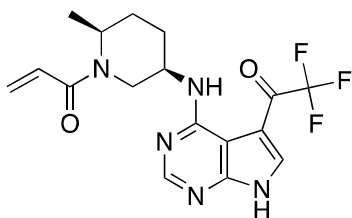
1-((2*S*,5*R*)-5-((5-cyclopentyl-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one



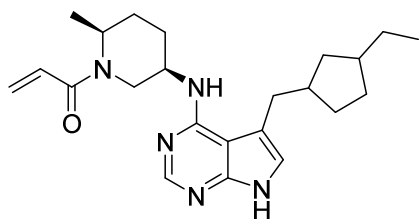
tert-butyl 4-(((3*R*,6*S*)-1-acryloyl-6-methylpiperidin-3-yl)amino)-7*H*-pyrrolo[2,3-*d*]pyrimidine-5-carboxylate



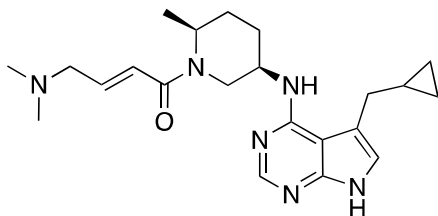
1-((2*S*,5*R*)-5-((5-(cyclopropanecarbonyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one



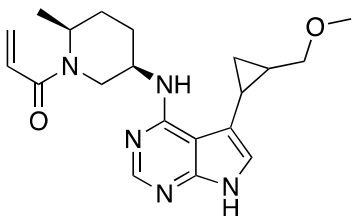
1-((2*S*,5*R*)-2-methyl-5-((5-(2,2,2-trifluoroacetyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)piperidin-1-yl)prop-2-en-1-one



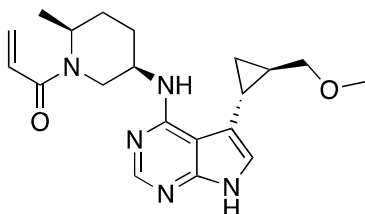
1-((2*S*,5*R*)-5-((5-((3-ethylcyclopentyl)methyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one



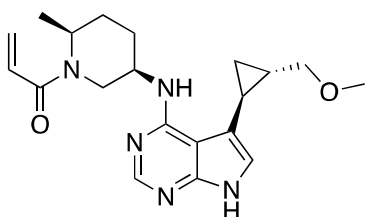
(*E*)-1-((2*S*,5*R*)-5-((5-(cyclopropylmethyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)-4-(dimethylamino)but-2-en-1-one



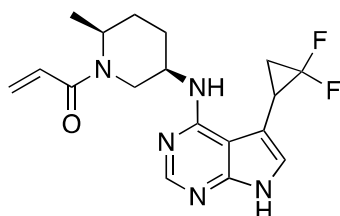
1-((2*S*,5*R*)-5-((5-(2-(methoxymethyl)cyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one



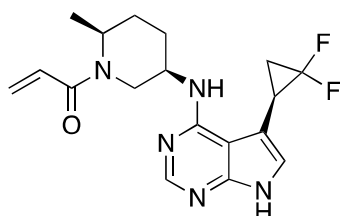
1-((2*S*,5*R*)-5-(((1*R*,2*R*)-2-(methoxymethyl)cyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one



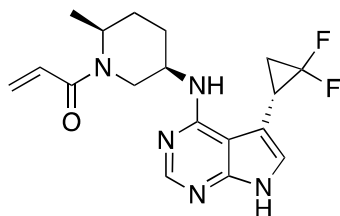
1-((2*S*,5*R*)-5-(((1*S*,2*S*)-2-(methoxymethyl)cyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one



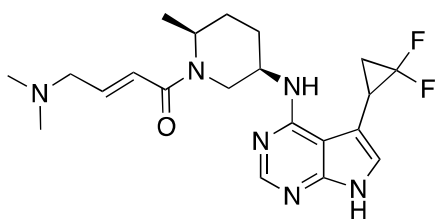
1-((2*S*,5*R*)-5-((5-(2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one



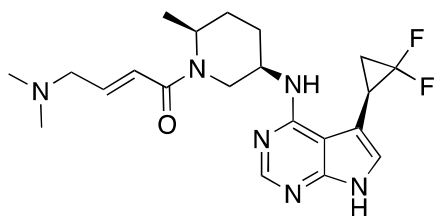
1-((2*S*,5*R*)-5-(((*R*)-2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one



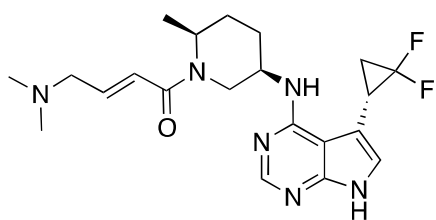
1-((2*S*,5*R*)-5-(((*S*)-2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one



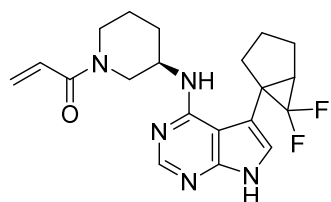
(*E*)-1-((2*S*,5*R*)-5-((5-(2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)-4-(dimethylamino)but-2-en-1-one ,



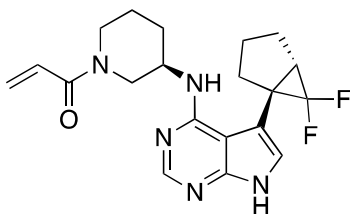
(*E*)-1-((2*S*,5*R*)-5-((5-((*R*)-2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)-4-(dimethylamino)but-2-en-1-one ,



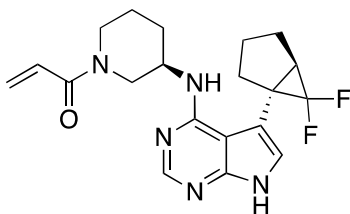
(*E*)-1-((2*S*,5*R*)-5-((5-((*S*)-2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)-4-(dimethylamino)but-2-en-1-one ,



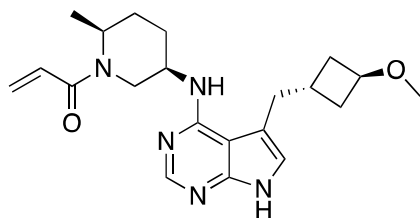
1-((3*R*)-3-((5-(6,6-difluorobicyclo[3.1.0]hexan-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)piperidin-1-yl)prop-2-en-1-one ,



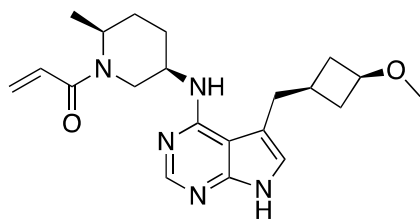
1-((*R*)-3-((5-((1*R*,5*S*)-6,6-difluorobicyclo[3.1.0]hexan-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)piperidin-1-yl)prop-2-en-1-one ,



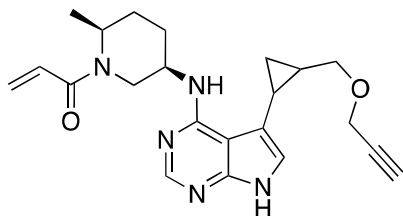
1-((*R*)-3-((5-((1*S*,5*R*)-6,6-difluorobicyclo[3.1.0]hexan-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)piperidin-1-yl)prop-2-en-1-one ,



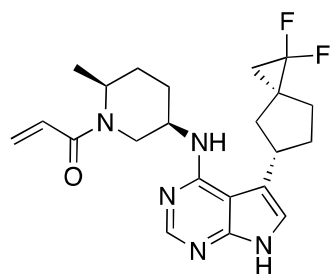
1-((2*S*,5*R*)-5-((5-(((1*r*,3*S*)-3-methoxycyclobutyl)methyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one ,



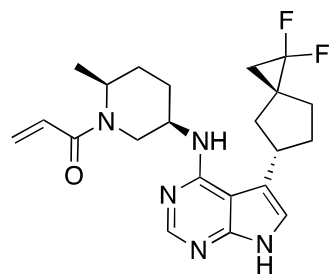
1-((2*S*,5*R*)-5-(((1*S*,3*R*)-3-methoxycyclobutyl)methyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one



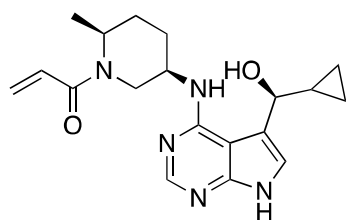
1-((2*S*,5*R*)-2-methyl-5-((5-(2-((prop-2-yn-1-yloxy)methyl)cyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)piperidin-1-yl)prop-2-en-1-one



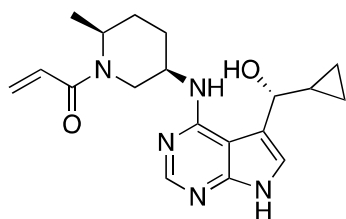
1-((2*S*,5*R*)-5-((5-((3*S*,5*S*)-1,1-difluorospiro[2.4]heptan-5-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one



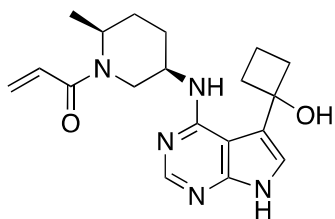
1-((2*S*,5*R*)-5-((5-((3*R*,5*S*)-1,1-difluorospiro[2.4]heptan-5-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one



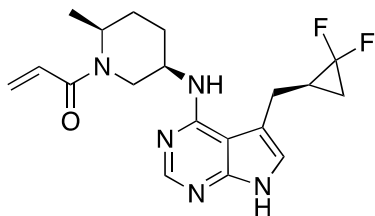
1-((2*S*,5*R*)-5-((5-((*S*)-cyclopropyl(hydroxy)methyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one



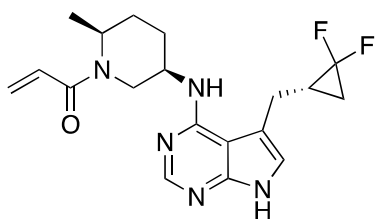
1-((2*S*,5*R*)-5-((5-((*R*)-cyclopropyl(hydroxy)methyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one



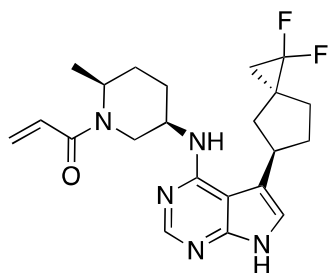
1-((2*S*,5*R*)-5-((1-hydroxycyclobutyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one ,



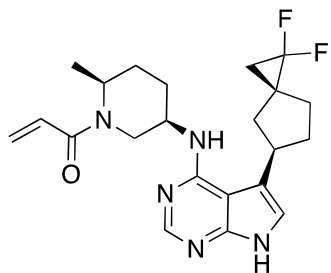
1-((2*S*,5*R*)-5-(((*R*)-2,2-difluorocyclopropyl)methyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one ,



1-((2*S*,5*R*)-5-(((*S*)-2,2-difluorocyclopropyl)methyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one ,



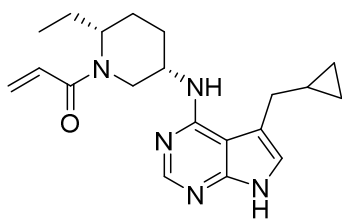
1-((2*S*,5*R*)-5-(((3*S*,5*R*)-1,1-difluorospiro[2.4]heptan-5-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one and



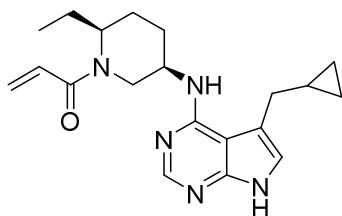
1-((2*S*,5*R*)-5-(((3*R*,5*R*)-1,1-difluorospiro[2.4]heptan-5-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one .

3. A pharmaceutical composition comprising the compound of claim 1 or a derivative thereof, and a pharmaceutically acceptable carrier, adjuvant, or vehicle.

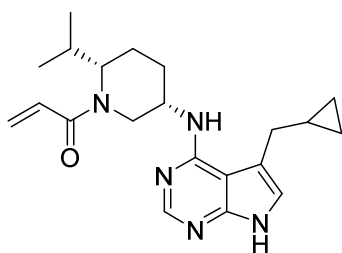
4. A compound, or a derivative thereof, selected from the group consisting of:



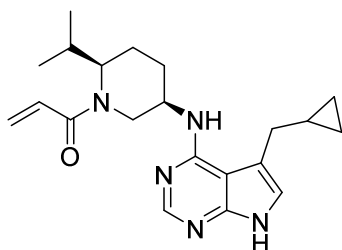
1-((2*R*,5*S*)-5-((5-(cyclopropylmethyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-ethylpiperidin-1-yl)prop-2-en-1-one



1-((2*S*,5*R*)-5-((5-(cyclopropylmethyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-ethylpiperidin-1-yl)prop-2-en-1-one

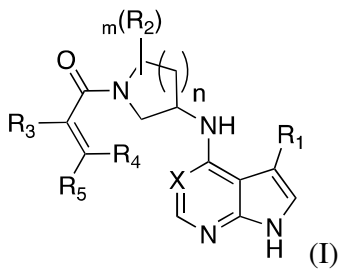


1-((2*S*,5*S*)-5-((5-(cyclopropylmethyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-isopropylpiperidin-1-yl)prop-2-en-1-one



1-((2*R*,5*R*)-5-((5-(cyclopropylmethyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-isopropylpiperidin-1-yl)prop-2-en-1-one

5. A compound of Formula (I):



wherein:

X is N;

n is 2;

m is 1;

R₁ is C₃-C₆ cycloalkyl, where the cycloalkyl, is substituted with one or more groups selected from C₁-C₅ alkyl and halogen;

R₂ is C₁-C₅alkyl;

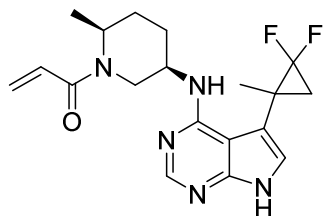
R₃ is H, or C₁-C₆ alkyl;

R₄ is H;

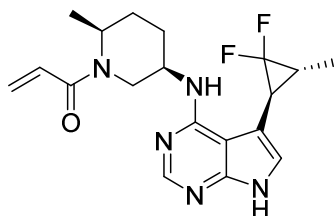
R₅ is selected from H, C₁-C₆ alkyl or C₁-C₆ alkyl NH(C₁-C₆ alkyl);

and a derivative thereof.

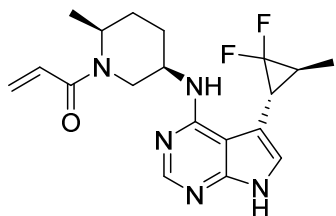
6. The compound of Claim 5, wherein the compound, or a derivative thereof, is selected from:



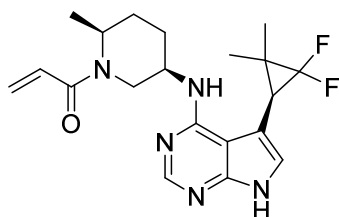
1-((2*S*,5*R*)-5-((5-(2,2-difluoro-1-methylcyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one ,



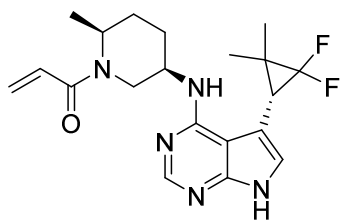
1-((2*S*,5*R*)-5-((5-((1*S*,3*R*)-2,2-difluoro-3-methylcyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one ,



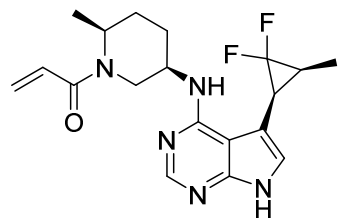
1-((2*S*,5*R*)-5-((5-((1*R*,3*S*)-2,2-difluoro-3-methylcyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one ,



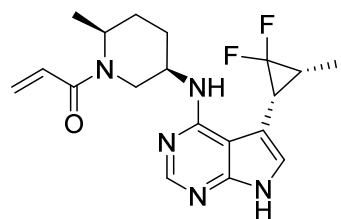
1-((2*S*,5*R*)-5-((5-((*S*)-2,2-difluoro-3,3-dimethylcyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one ,



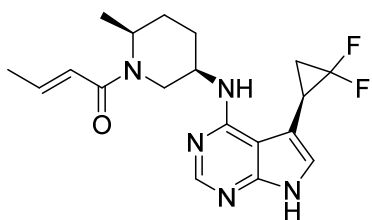
1-((2*S*,5*R*)-5-((5-((*R*)-2,2-difluoro-3,3-dimethylcyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one ,



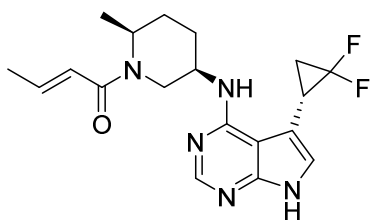
1-((2*S*,5*R*)-5-((5-((1*S*,3*S*)-2,2-difluoro-3-methylcyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one ,



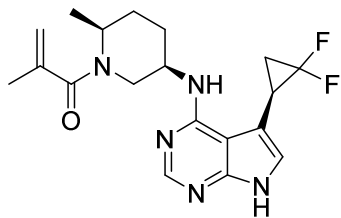
1-((2*S*,5*R*)-5-((5-((1*R*,3*R*)-2,2-difluoro-3-methylcyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one ,



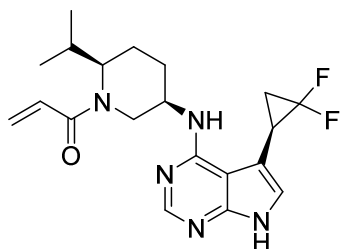
(*E*)-1-((2*S*,5*R*)-5-((5-((*R*)-2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)but-2-en-1-one ,



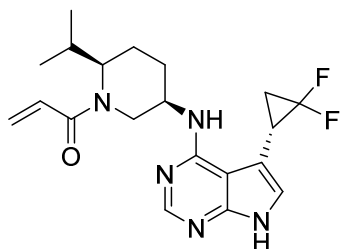
(*E*)-1-((2*S*,5*R*)-5-((5-((*S*)-2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)but-2-en-1-one ,



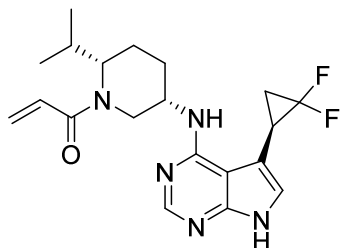
1-((2*S*,5*R*)-5-((5-((*R*)-2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)-2-methylprop-2-en-1-one ,



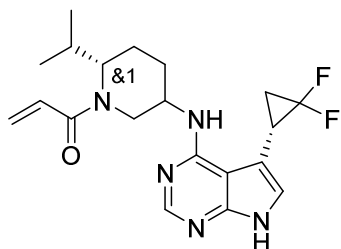
1-((2*R*,5*R*)-5-((5-((*R*)-2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-isopropylpiperidin-1-yl)prop-2-en-1-one



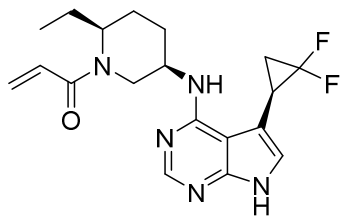
1-((2*R*,5*R*)-5-((5-((*S*)-2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-isopropylpiperidin-1-yl)prop-2-en-1-one



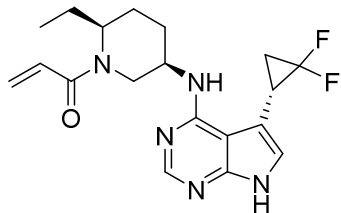
1-((2*S*,5*S*)-5-((5-((*R*)-2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-isopropylpiperidin-1-yl)prop-2-en-1-one



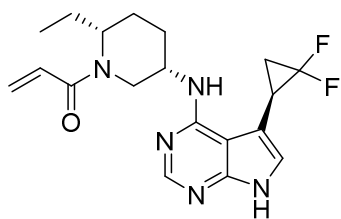
1-((2*S*,5*S*)-5-((5-((*S*)-2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-isopropylpiperidin-1-yl)prop-2-en-1-one



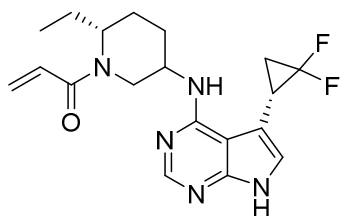
1-((2*S*,5*R*)-5-((5-((*R*)-2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-ethylpiperidin-1-yl)prop-2-en-1-one



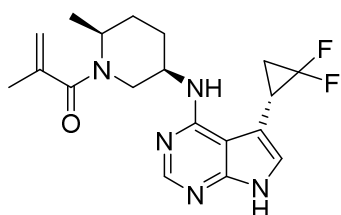
1-((2*S*,5*R*)-5-((5-((*S*)-2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-ethylpiperidin-1-yl)prop-2-en-1-one



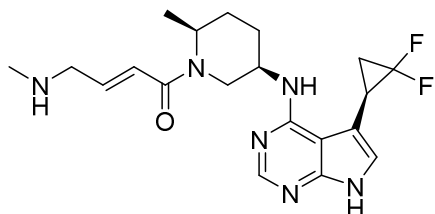
1-((2*R*,5*S*)-5-((5-((*R*)-2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-ethylpiperidin-1-yl)prop-2-en-1-one ,



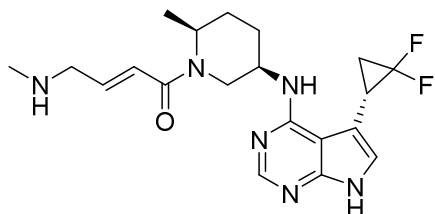
1-((2*R*)-5-((5-((*S*)-2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-ethylpiperidin-1-yl)prop-2-en-1-one ,



1-((2*S*,5*R*)-5-((5-((*S*)-2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)-2-methylprop-2-en-1-one ,

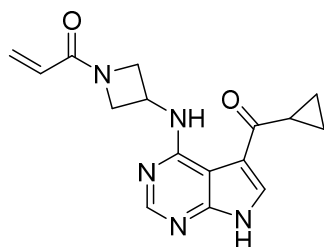


(*E*)-1-((2*S*,5*R*)-5-((5-((*R*)-2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)-4-(methylamino)but-2-en-1-one , and

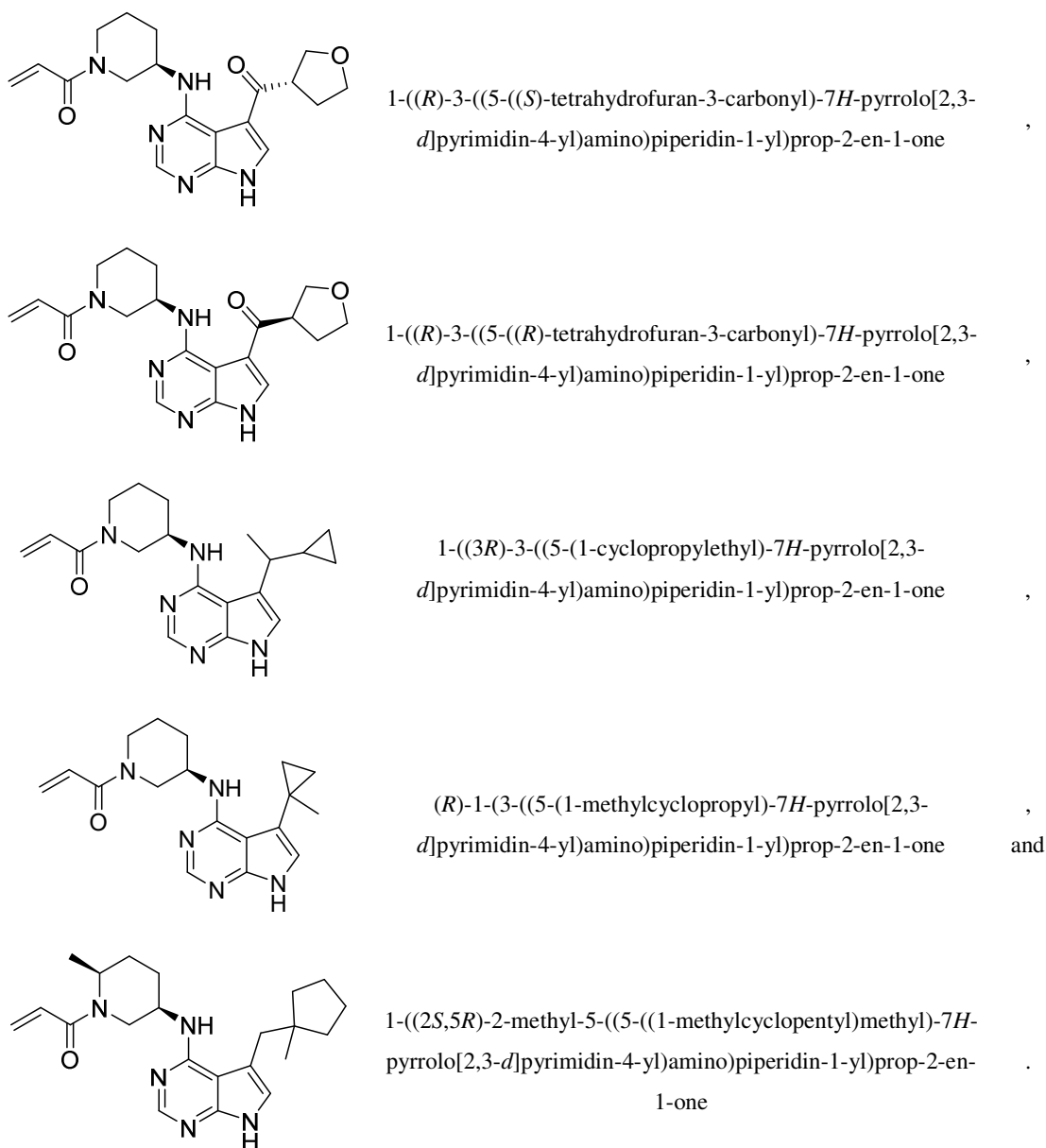


(*E*)-1-((2*S*,5*R*)-5-((5-((*S*)-2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)-4-(methylamino)but-2-en-1-one .

7. A compound, or a derivative thereof, selected from the group consisting of:



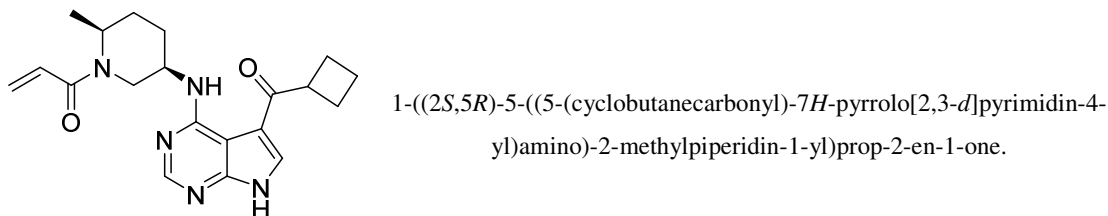
1-(3-((5-(cyclopropanecarbonyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)azetidin-1-yl)prop-2-en-1-one ,



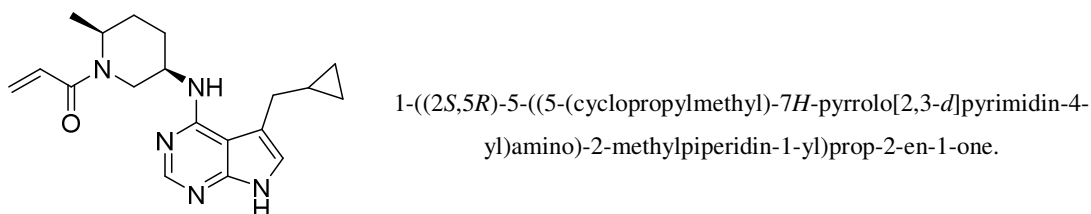
8. A pharmaceutical composition comprising the compound of claim 4, or a derivative thereof, and a pharmaceutically acceptable excipient.
9. A pharmaceutical composition comprising the compound of claim 5, or a derivative thereof, and a pharmaceutically acceptable excipient.
10. A pharmaceutical composition comprising the compound of claim 6, or a derivative thereof, and a pharmaceutically acceptable excipient.

11. A pharmaceutical composition comprising the compound of claim 7, or a derivative thereof, and a pharmaceutically acceptable excipient.

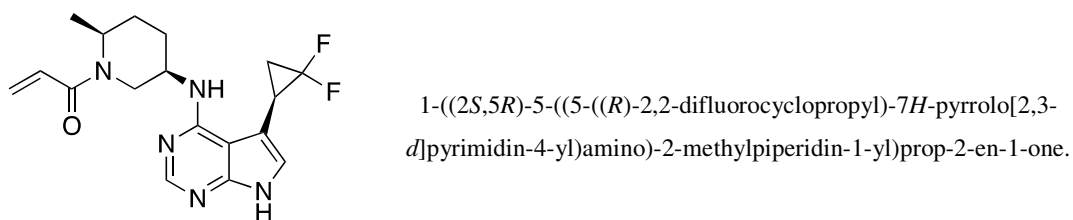
12. The compound of Claim 1, wherein the compound, or a derivative thereof, is:



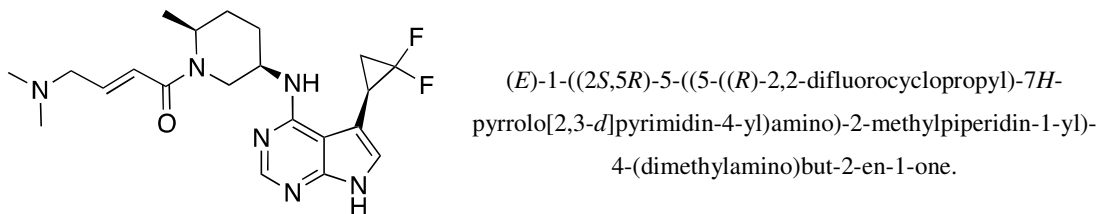
13. The compound of Claim 1, wherein the compound, or a derivative thereof, is:



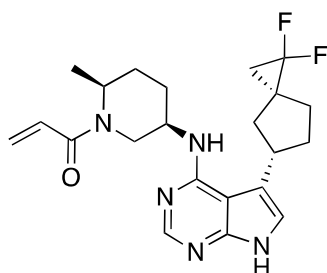
14. The compound of Claim 1, wherein the compound, or a derivative thereof, is:



15. The compound of Claim 1, wherein the compound, or a derivative thereof, is:

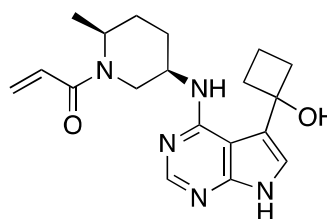


16. The compound of Claim 1, wherein the compound, or a derivative thereof, is:



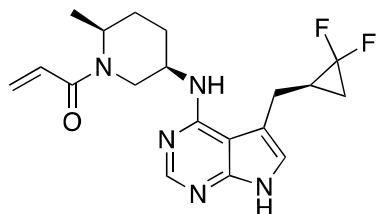
1-((2*S*,5*R*)-5-((5-((3*S*,5*S*)-1,1-difluorospiro[2.4]heptan-5-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one.

17. The compound of Claim 1, wherein the compound, or a derivative thereof, is:



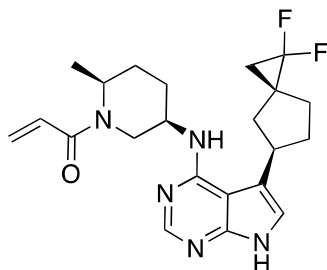
1-((2*S*,5*R*)-5-((5-(1-hydroxycyclobutyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one.

18. The compound of Claim 1, wherein the compound, or a derivative thereof, is:



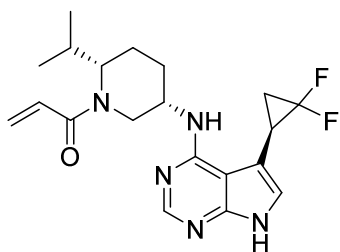
1-((2*S*,5*R*)-5-((5-(((*R*)-2,2-difluorocyclopropyl)methyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one.

19. The compound of Claim 1, wherein the compound, or a derivative thereof, is:



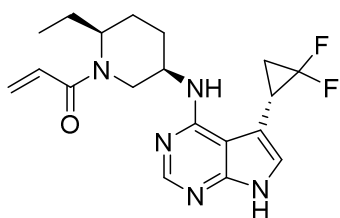
1-((2*S*,5*R*)-5-((5-((3*R*,5*R*)-1,1-difluorospiro[2.4]heptan-5-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one.

20. The compound of Claim 5, wherein the compound, or a derivative thereof, is



1-((2*S*,5*S*)-5-((5-((*R*)-2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-isopropylpiperidin-1-yl)prop-2-en-1-one.

21. The compound of Claim 5, wherein the compound, or a derivative thereof, is



1-((2*S*,5*R*)-5-((5-((*S*)-2,2-difluorocyclopropyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)amino)-2-ethylpiperidin-1-yl)prop-2-en-1-one.