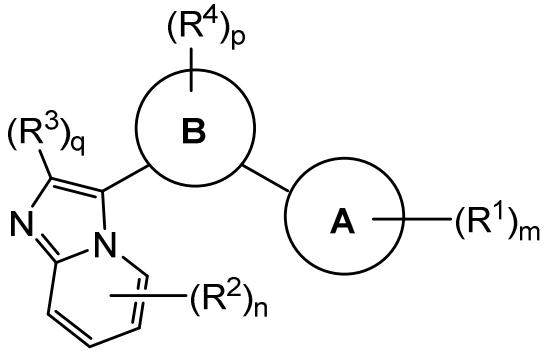
CLAIMS

1. A compound of formula **I**:

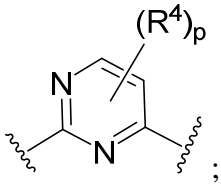


I

or a pharmaceutically acceptable salt thereof, wherein:

Ring A is selected from a 3-8 membered saturated or partially unsaturated monocyclic carbocyclic ring, phenyl, an 8-10 membered bicyclic aromatic carbocyclic ring, a 4-8 membered partially unsaturated monocyclic heterocyclic ring having 1-2 heteroatoms independently selected from nitrogen, oxygen, or sulfur optionally fused to a 5-6 membered aromatic ring having 0-4 heteroatoms independently selected from nitrogen, oxygen, or sulfur, a 7-12 membered partially unsaturated spirocyclic heterocyclic ring having 1-2 heteroatoms independently selected from nitrogen, oxygen, or sulfur, a 7-12 membered partially unsaturated bicyclic heterocyclic ring having 1-4 heteroatoms independently selected from nitrogen, oxygen, or sulfur, a 7-12 membered partially unsaturated bridged bicyclic heterocyclic ring having 1-2 heteroatoms independently selected from nitrogen, oxygen, or sulfur, a 5-6 membered monocyclic heteroaromatic ring having 1-4 heteroatoms independently selected from nitrogen, oxygen, or sulfur, an 8-10 membered bicyclic heteroaromatic ring having 1-5 heteroatoms independently selected from nitrogen, oxygen, or sulfur, or

Het, wherein Het is a 4-8 membered saturated monocyclic heterocyclic ring having 1-2 heteroatoms independently selected from nitrogen, oxygen, or sulfur, a 7-12 membered saturated spirocyclic heterocyclic ring having 1-4 heteroatoms independently selected from nitrogen, oxygen, or sulfur, a 7-12 membered saturated bicyclic heterocyclic ring having 1-3 heteroatoms independently selected from nitrogen, oxygen, or sulfur, or a 7-12 membered saturated bridged bicyclic heterocyclic ring having 1-2 heteroatoms independently selected from nitrogen, oxygen, or sulfur;

Ring B is ;

each R is independently hydrogen or an optionally substituted group selected from C_{1-6} aliphatic, a 3-8 membered saturated or partially unsaturated monocyclic carbocyclic ring, phenyl, an 8-10 membered bicyclic aromatic carbocyclic ring, a 4-8 membered saturated or partially unsaturated monocyclic heterocyclic ring having 1-2 heteroatoms independently selected from nitrogen, oxygen, or sulfur, a 5-6 membered monocyclic heteroaromatic ring having 1-4 heteroatoms independently selected from nitrogen, oxygen, or sulfur, or an 8-10 membered bicyclic heteroaromatic ring having 1-5 heteroatoms independently selected from nitrogen, oxygen, or sulfur; or

two R groups are optionally taken together to form a bivalent C_{2-4} alkylene chain;

two R groups are optionally taken together with their intervening atoms to form an optionally substituted 3-7 membered saturated or partially unsaturated monocyclic ring having 0-4 heteroatoms independently selected from nitrogen, oxygen or sulfur;

each R' is independently hydrogen or a C_{1-3} aliphatic group optionally substituted with halogen;

each of R^1 is independently hydrogen, halogen, –CN, $–NO_2$, –C(O)R, –C(O)OR, $–C(O)NR_2$, $–C(O)NRS(O)_2R$, $–C(O)N{=}S(O)R_2$, $–NR_2$, –NRC(O)R, $–NRC(O)NR_2$, –NRC(O)OR, $–NRS(O)_2R$, $–NRS(O)_2NR_2$, –OR, $–ON(R)SO_2R$, $–P(O)R_2$, –SR, –S(O)R, $–S(O)_2R$, –S(O)(NH)R, $–S(O)_2N(R)_2$, $–S(NH_2)_2(O)OH$, $–N{=}S(O)R_2$, $-CH_3$, $-CH_2OH$, $-CH_2NHSO_2CH_3$, $–CD_3$, $–CD_2NRS(O)_2R$, or R; or:

two R^1 groups are optionally taken together to form =O or =NH; or

two R^1 groups are optionally taken together to form a bivalent C_{2-4} alkylene chain;

each of R^2 is independently hydrogen, halogen, –CN, $–C(O)N(R')_2$, –OR', $–N(R')_2$, $–S(O)_2R$, $–S(O)_2N(R)_2$, –O-phenyl, or an optionally substituted group selected from C_{1-3} aliphatic, phenyl, 5-6 membered monocyclic heteroaromatic ring having 1-4 heteroatoms independently selected from nitrogen, oxygen, or sulfur, or 4-8 membered saturated monocyclic heterocycle having 1-4 heteroatoms independently selected from nitrogen, oxygen, or sulfur;

R^3 is hydrogen, halogen, –CN, –OR', $–N(R')_2$, or an optionally substituted group selected from C_{1-3} aliphatic, phenyl, or a 5-6 membered monocyclic heteroaromatic ring having 1-4 heteroatoms independently selected from nitrogen, oxygen, or sulfur;

R^4 is hydrogen, halogen, –CN, –OR, –N=S(O)R_2, –N(R)$_2$, or an optionally substituted group selected from C_{1-3} aliphatic, a 4-8 membered saturated or partially unsaturated monocyclic heterocyclic ring having 1-2 heteroatoms independently selected from nitrogen, oxygen, or sulfur, or a 7-12 membered saturated or partially unsaturated spirocyclic heterocyclic ring having 1-2 heteroatoms independently selected from nitrogen, oxygen, or sulfur;

m is 0, 1, 2, 3, 4 or 5;

n is 0, 1, or 2;

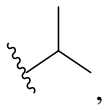
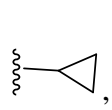
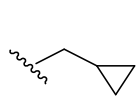
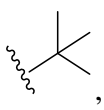
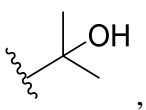
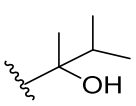
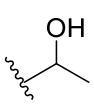
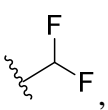
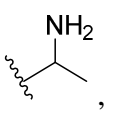
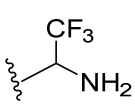
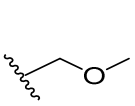
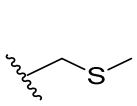
p is 0 or 1; and

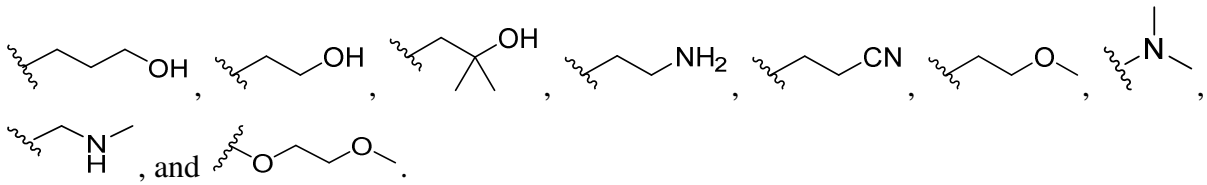
q is 0 or 1.

2. The compound of claim 1, wherein Ring A is Het.

3. The compound of claim 2, wherein Het is a 4-8 membered saturated monocyclic heterocyclic ring having 1-2 heteroatoms independently selected from nitrogen, oxygen, or sulfur, a 7-12 membered saturated spirocyclic heterocyclic ring having 1-4 heteroatoms independently selected from nitrogen, oxygen, or sulfur, or a 7-12 membered saturated bicyclic heterocyclic ring having 1-3 heteroatoms independently selected from nitrogen, oxygen, or sulfur.

4. The compound of any one of claims 1-3, wherein each of R^1 is independently hydrogen, halogen, –CN, –C(O)R, –C(O)OR, –C(O)NR_2, –C(O)NRS(O)$_2$R, –C(O)N=S(O)R_2, –NR_2, –NRC(O)R, –NRC(O)NR_2, –NRC(O)OR, –NRS(O)$_2$R, –NRS(O)$_2$NR_2, –OR, –ON(R)SO_2R, –P(O)R_2, –SR, –S(O)R, –S(O)$_2$R, –S(O)(NH)R, –S(O)$_2$N(R)$_2$, –S(NH_2)$_2$(O)OH, –N=S(O)R_2, -CH_3, -CH_2OH, -CH_2NHS$O_2$$CH_3$, –$CD_3$, –$CD_2$NRS(O)$_2$R, or R.

5. The compound of any one of claims 1-3, wherein each R^1 group is independently selected from the group consisting of: fluoro, chloro, methyl, ethyl, –OH, –OCH_3, –CH_2OH, –CH_2CN, –CF_3, –CH_2NH_2, –COOH, –NH_2, , , , , , , , , , , , ,

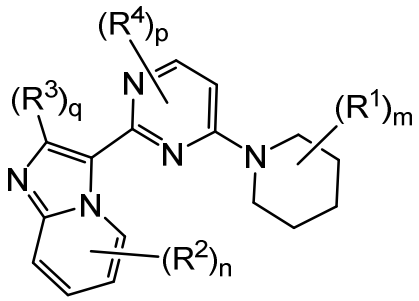


6. The compound of any one of claims 1-5, wherein each of R^2 is independently hydrogen, halogen, –CN, $–C(O)N(R')_2$, –OR', $–N(R')_2$, or an optionally substituted group selected from C_{1-3} aliphatic, or a 5-6 membered monocyclic heteroaromatic ring having 1-4 heteroatoms independently selected from nitrogen, oxygen, or sulfur.

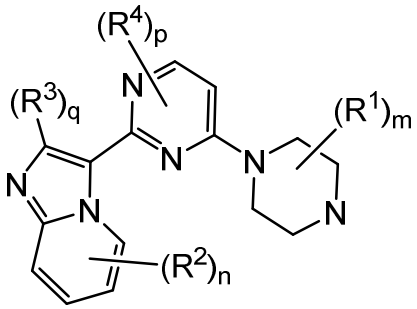
7. The compound of any one of claims 1-6, wherein R^3 is hydrogen, halogen, –CN, –OR', $–N(R')_2$, or an optionally substituted group selected from C_{1-3} aliphatic, or a 5-6 membered monocyclic heteroaromatic ring having 1-4 heteroatoms independently selected from nitrogen, oxygen, or sulfur.

8. The compound of any one of claims 1-7, wherein R^4 is hydrogen, halogen, –CN, –OR, $–N(R)_2$, or an optionally substituted group selected from C_{1-3} aliphatic, a 4-8 membered saturated or partially unsaturated monocyclic heterocyclic ring having 1-2 heteroatoms independently selected from nitrogen, oxygen, or sulfur, or a 7-12 membered saturated or partially unsaturated spirocyclic heterocyclic ring having 1-2 heteroatoms independently selected from nitrogen, oxygen, or sulfur.

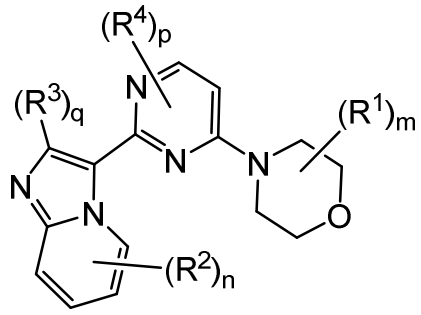
9. The compound of claim 1, of one of formula **IV-a**, **IV-b**, or **IV-c**:



IV-a



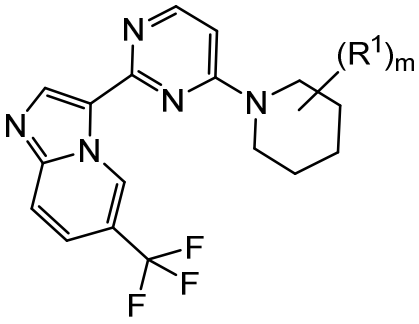
IV-b



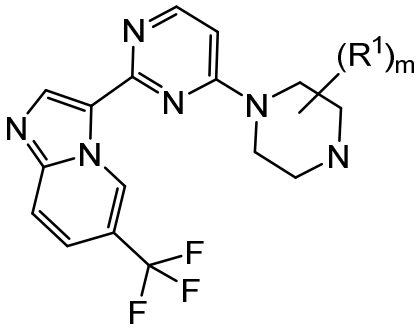
IV-c

or a pharmaceutically acceptable salt thereof.

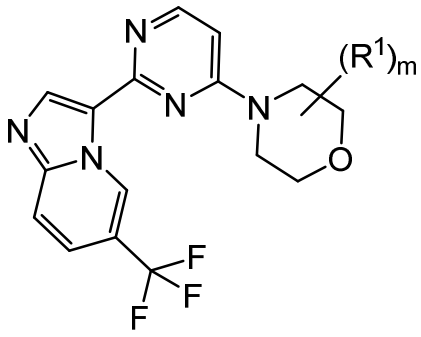
10. The compound of claim 1, of one of formula **XIII-a**, **XIII-a**, or **XIII-c**:



XIII-a



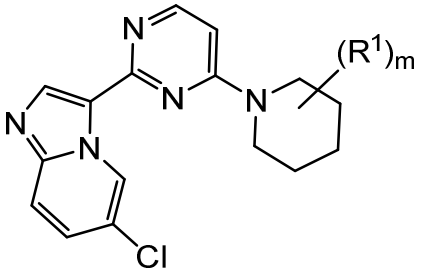
XIII-a



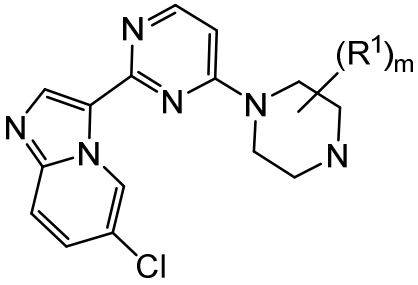
XIII-c

or a pharmaceutically acceptable salt thereof.

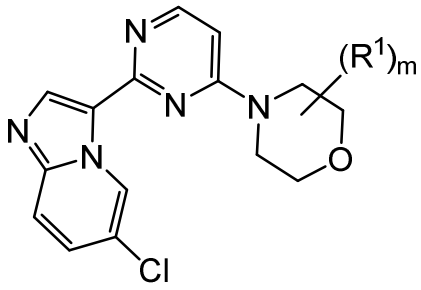
11. The compound of claim 1, of one of formula **XIV-a**, **XIV-a**, or **XIV-c**:



XIV-a



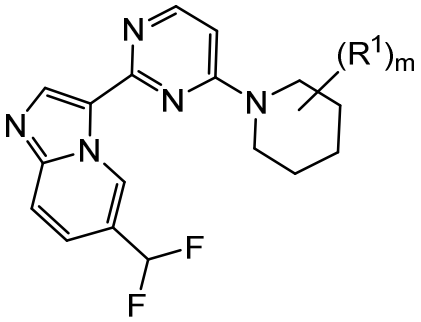
XIV-b



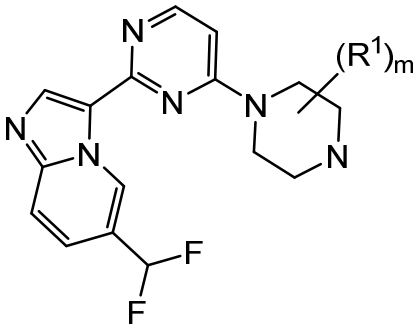
XIV-c

or a pharmaceutically acceptable salt thereof.

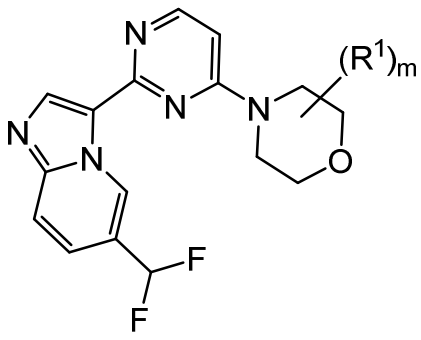
12. The compound of claim 1, of one of formula **XV-a**, **XV-a**, or **XV-c**:



XV-a



XV-b



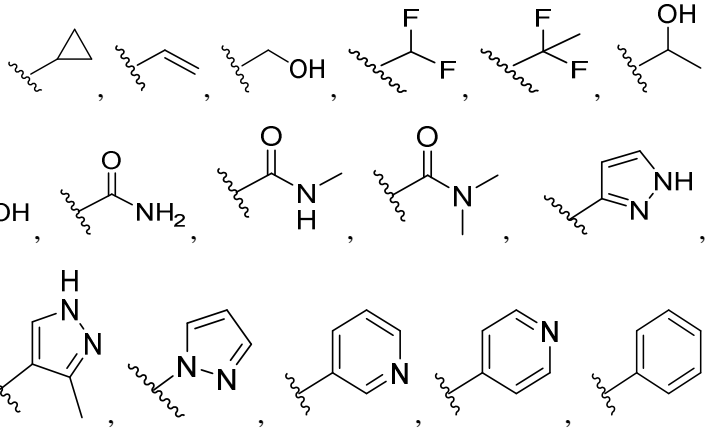
XV-c

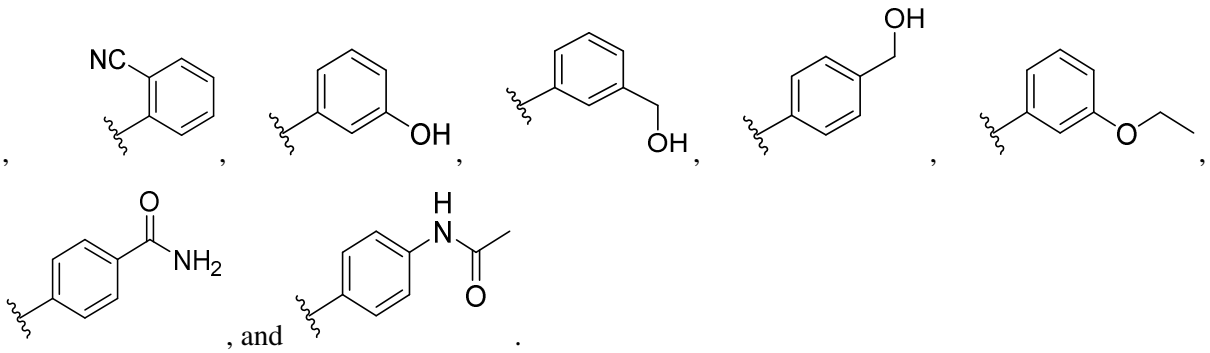
or a pharmaceutically acceptable salt thereof.

13. The compound of any one of claims 1-12, wherein each R is independently hydrogen or an optionally substituted group selected from C_{1-6} aliphatic, a 3-8 membered saturated or partially unsaturated monocyclic carbocyclic ring, phenyl, an 8-10 membered bicyclic aromatic carbocyclic ring, a 4-8 membered saturated or partially unsaturated monocyclic heterocyclic ring having 1-2 heteroatoms independently selected from nitrogen, oxygen, or sulfur, a 5-6 membered monocyclic heteroaromatic ring having 1-4 heteroatoms independently selected from nitrogen, oxygen, or sulfur, or an 8-10 membered bicyclic heteroaromatic ring having 1-5 heteroatoms independently selected from nitrogen, oxygen, or sulfur.

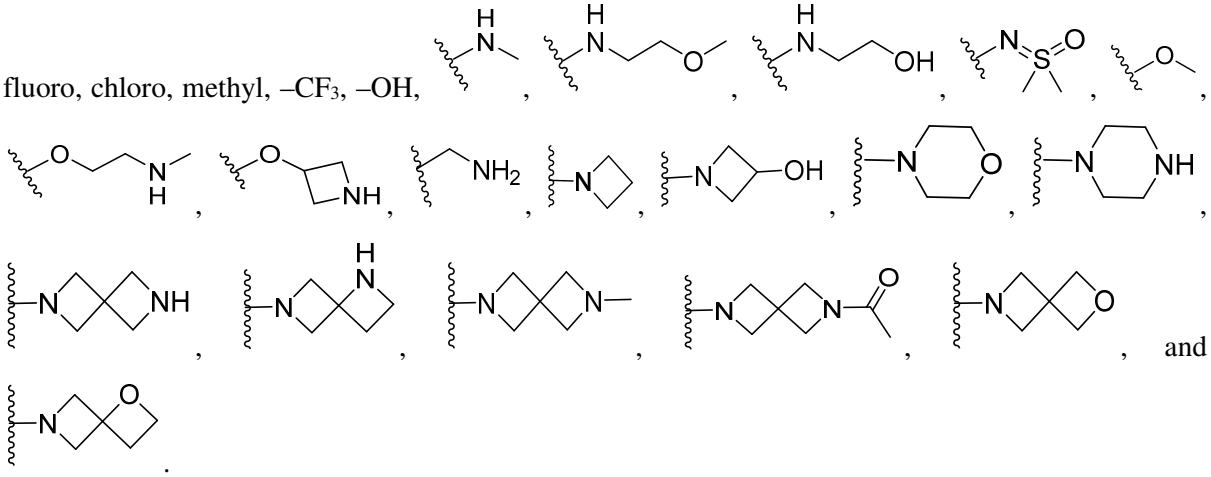
14. The compound of any one of claims 1-12, wherein two R groups are taken together to form a bivalent C_{2-4} alkylene chain.

15. The compound of any one of claims 1-12, wherein two R groups are taken together with their intervening atoms to form an optionally substituted 3-7 membered saturated or partially unsaturated monocyclic ring having 0-4 heteroatoms independently selected from nitrogen, oxygen or sulfur.

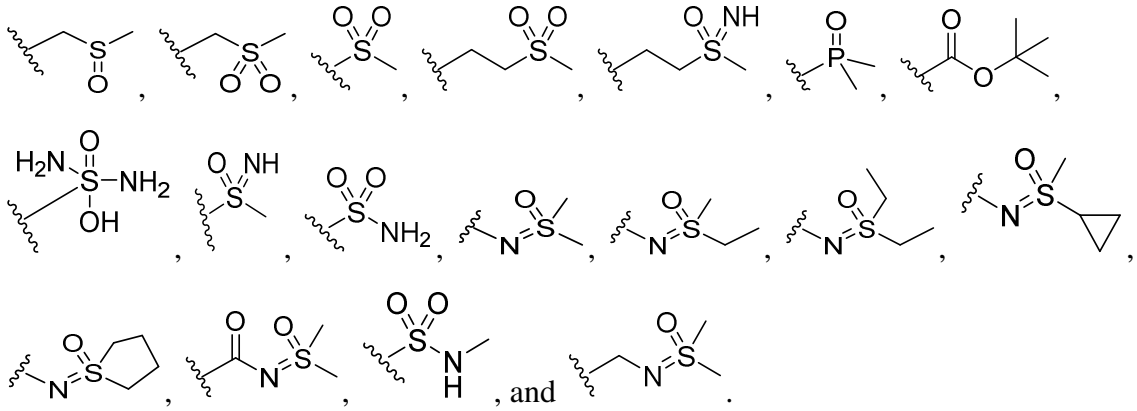
16. The compound of any one of claims 1-15, wherein each R^2 is independently selected from fluoro, chloro, bromo, methyl, ethyl, $–CF_3$, 



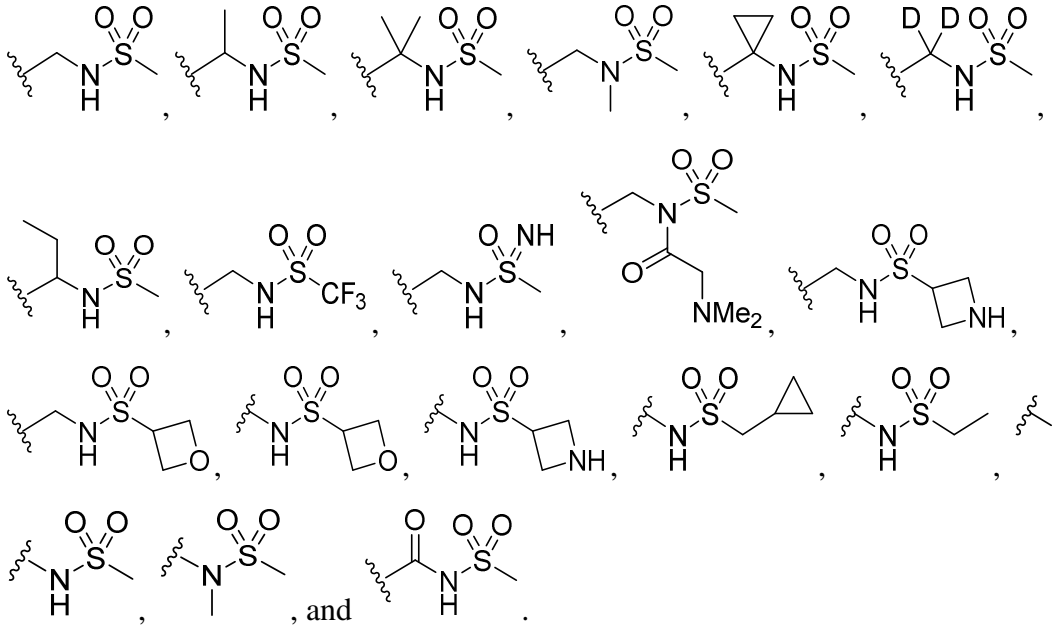
17. The compound of any one of claims 1-16, wherein each R^4 is independently selected from fluoro, chloro, methyl, $–CF_3$, –OH,



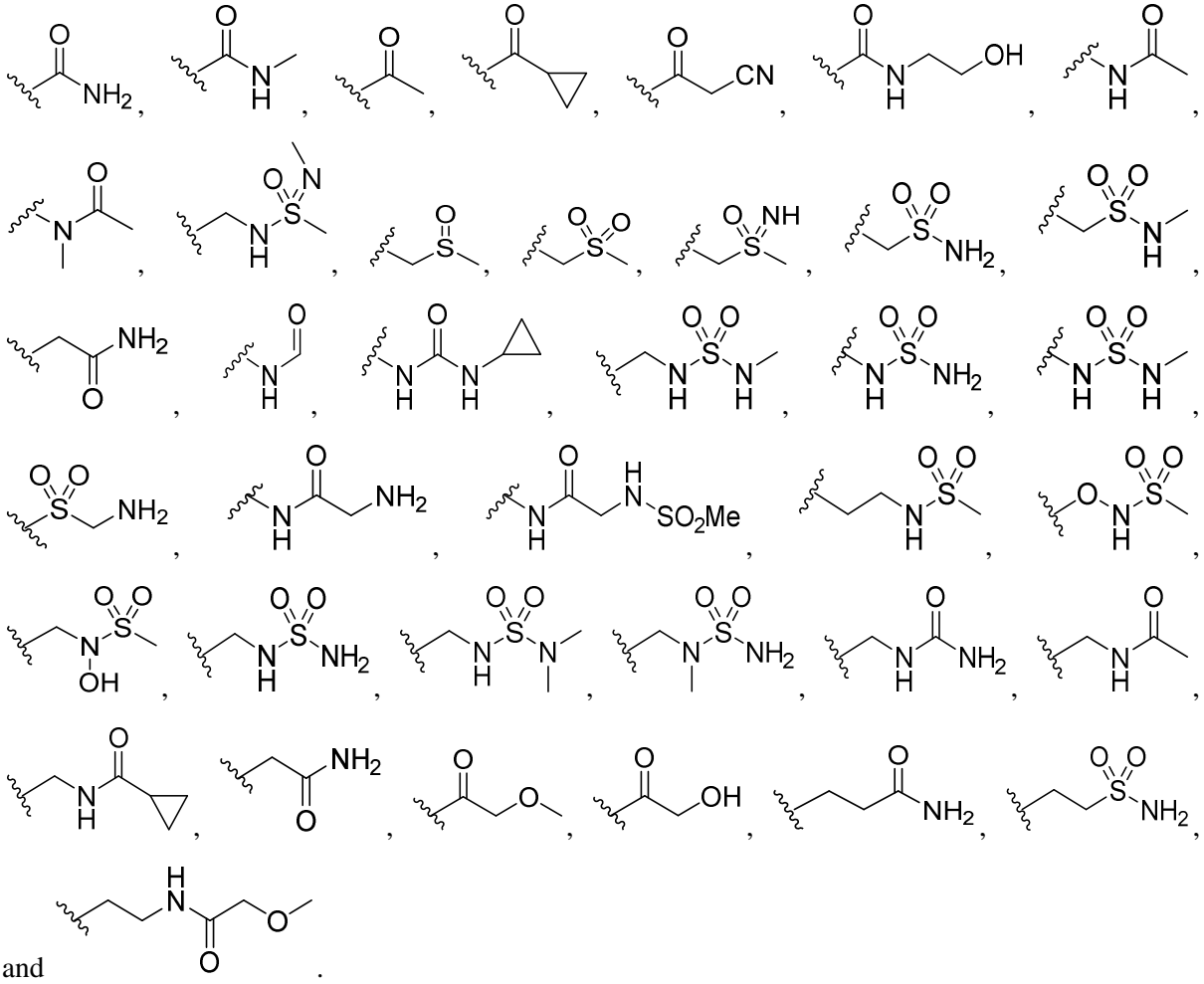
18. The compound of claim 1, wherein each R^1 group is independently selected from the group consisting of:



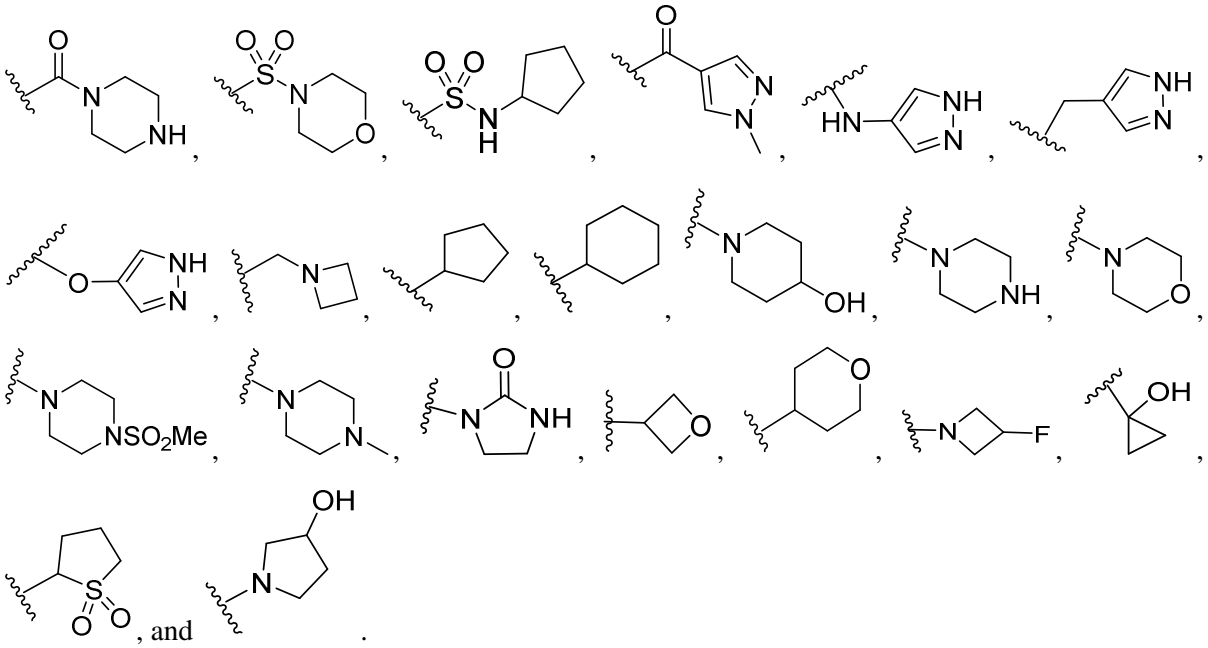
19. The compound of claim 1, wherein each R^1 group is independently selected from the group consisting of:


, and .

20. The compound of claim 1, wherein each R^1 group is independently selected from the group consisting of:

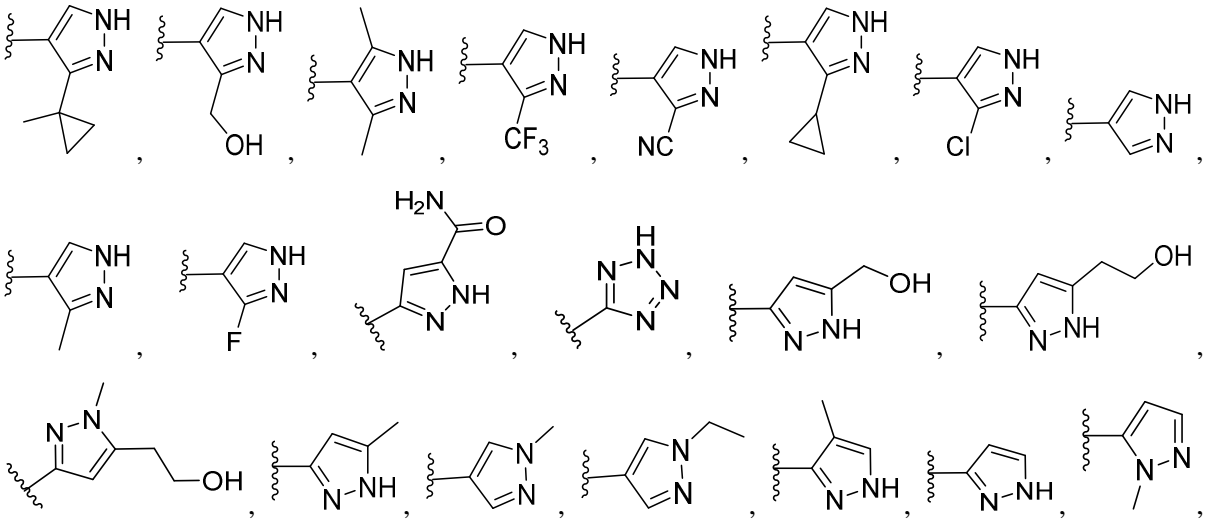

and .

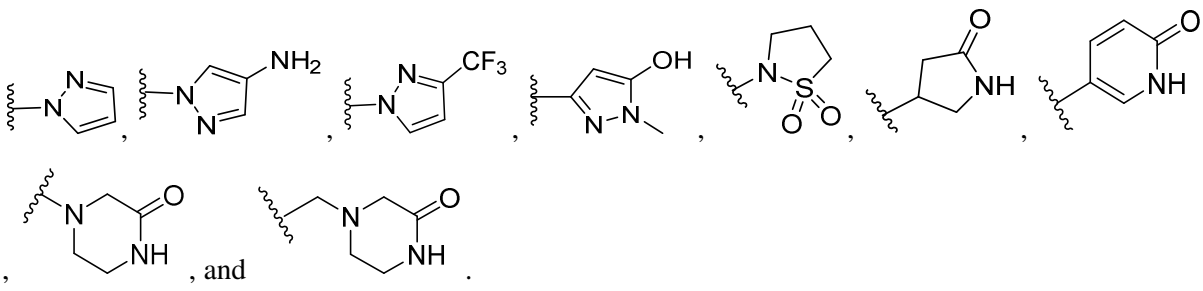
21. The compound of claim 1, wherein each R^1 group is independently selected from the group consisting of:



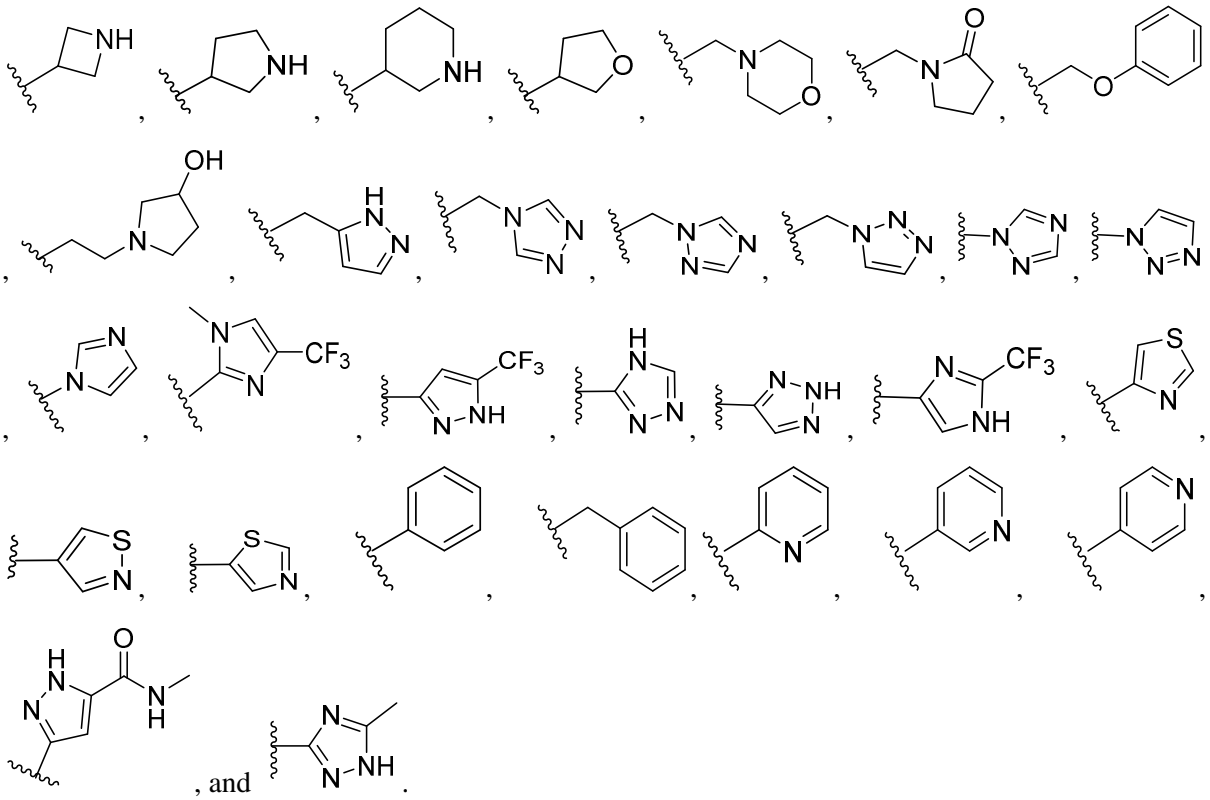
, and .

22. The compound of claim 1, wherein each R^1 group is independently selected from the group consisting of:

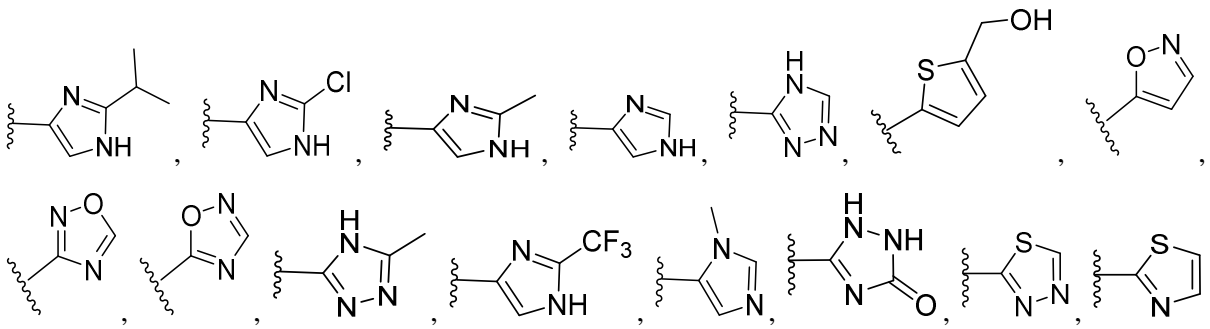


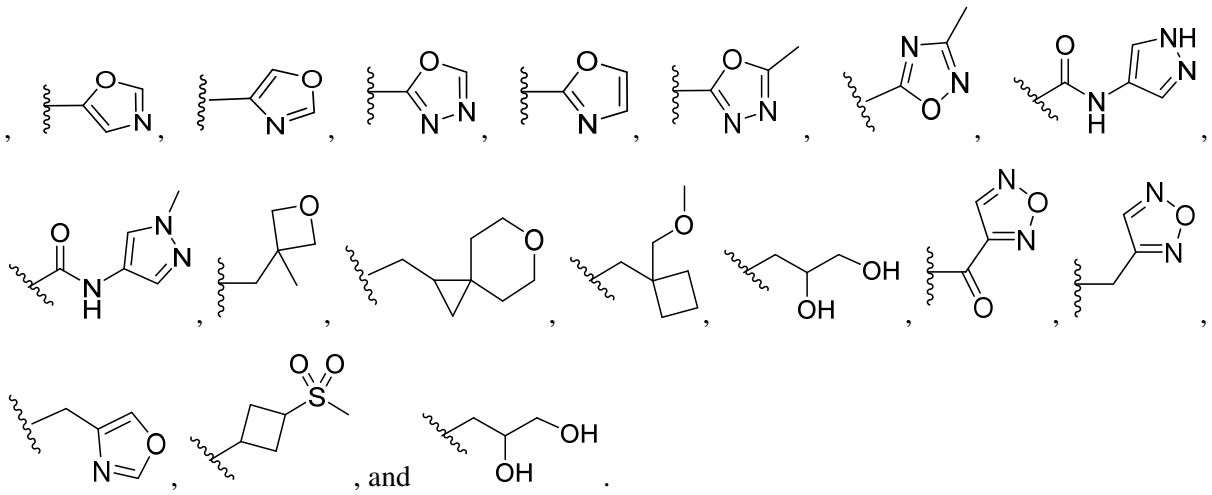


23. The compound of claim 1, wherein each R^1 group is independently selected from the group consisting of:



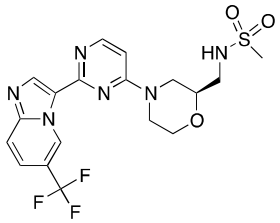
24. The compound of claim 1, wherein each R^1 group is independently selected from the group consisting of:



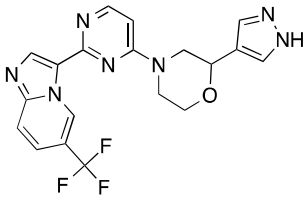


25. The compound of any one of claims 1 to 24, wherein m is 1, 2, 3, 4 or 5, in particular 1, 2 or 3.

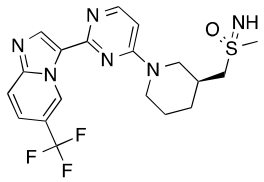
26. A compound selected from



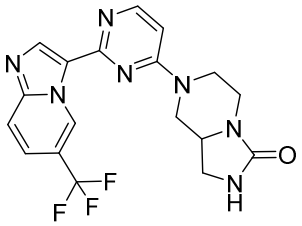
I-1



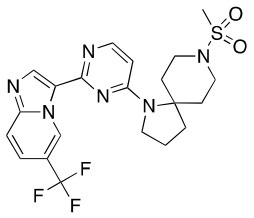
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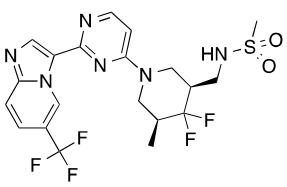
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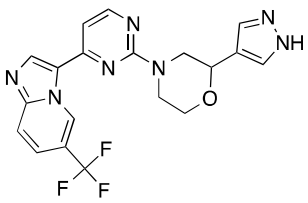
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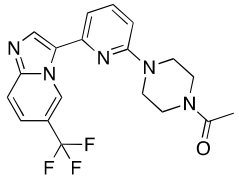
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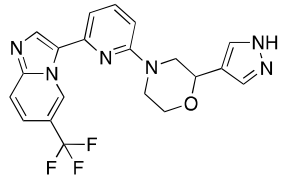
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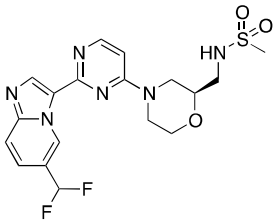
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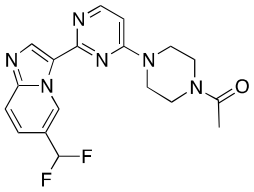
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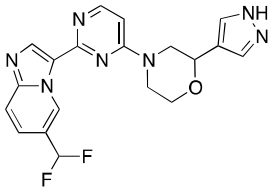
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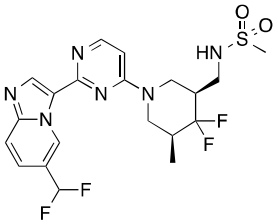
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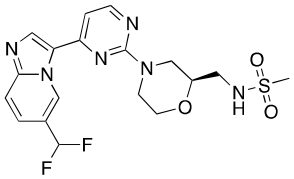
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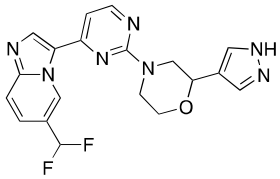
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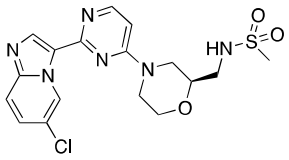
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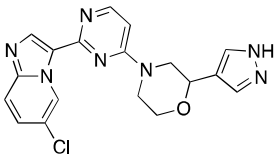
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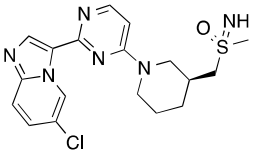
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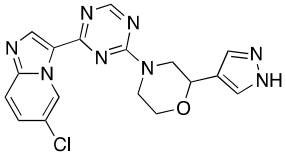
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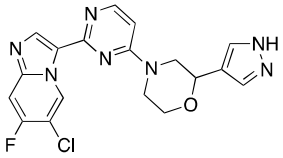
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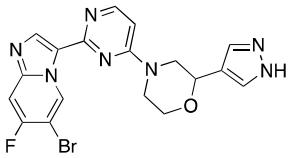
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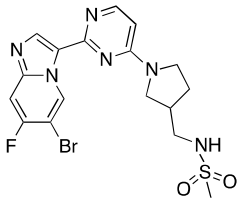
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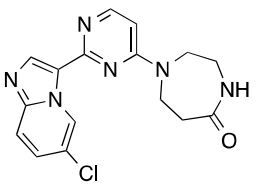
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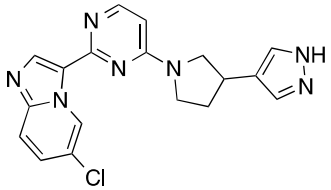
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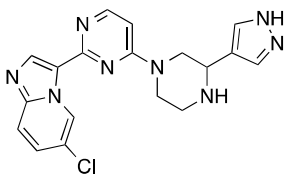
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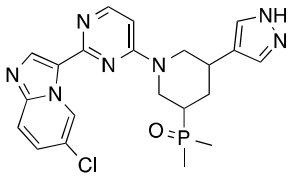
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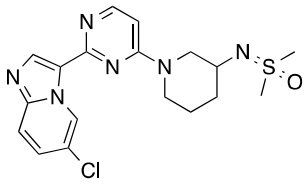
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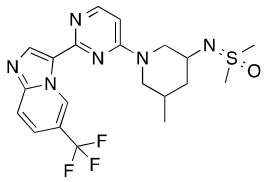
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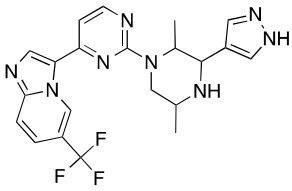
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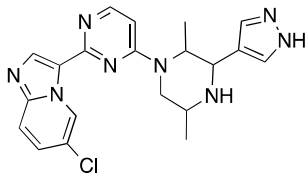
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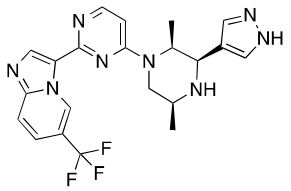
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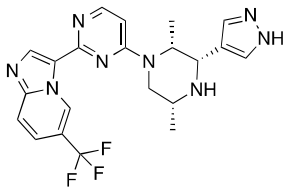
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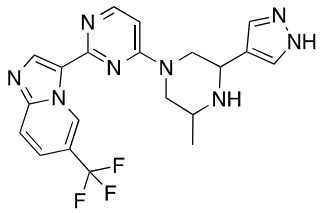
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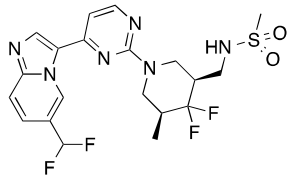
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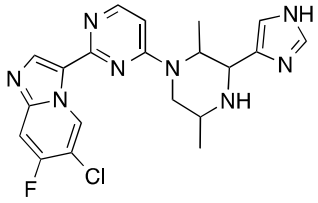
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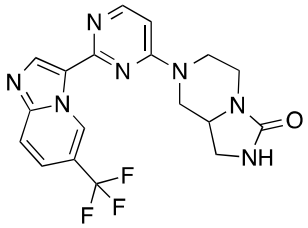
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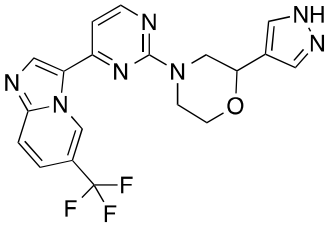
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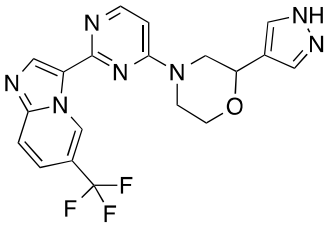
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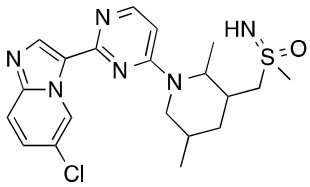
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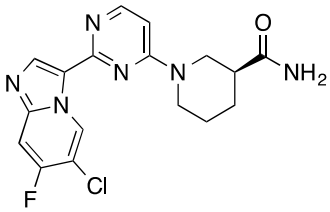
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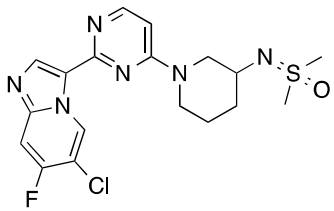
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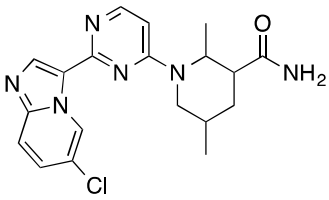
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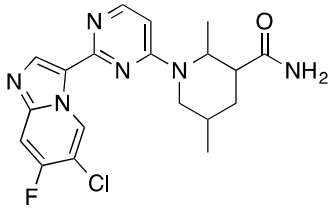
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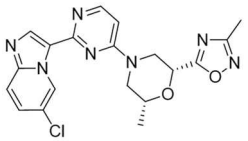
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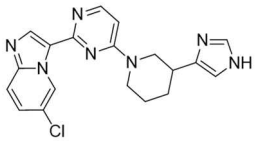
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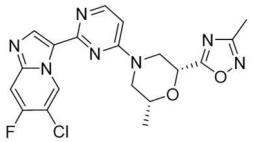
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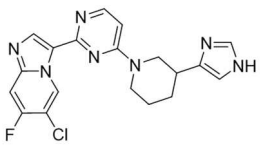
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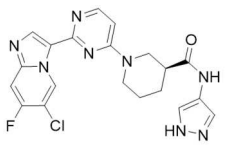
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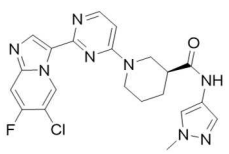
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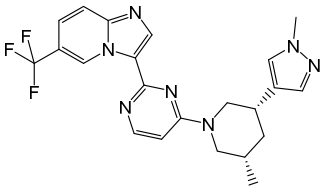
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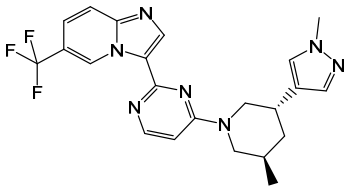
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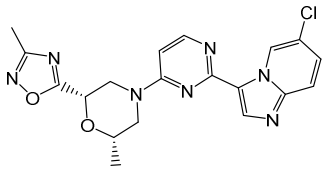
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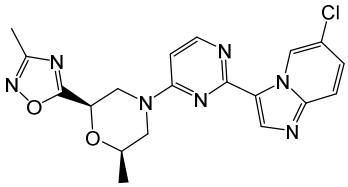
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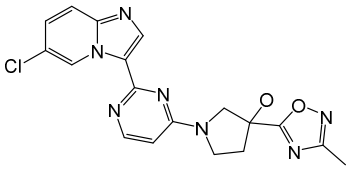
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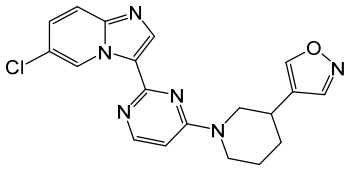
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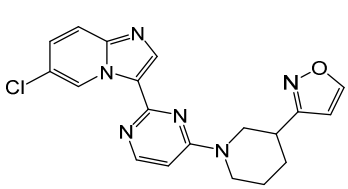
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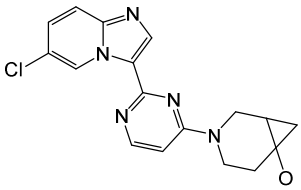
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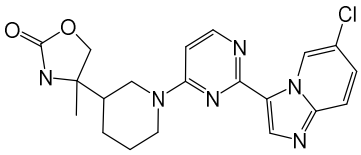
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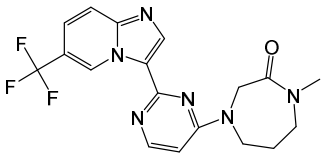
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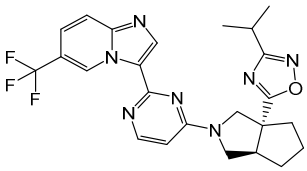
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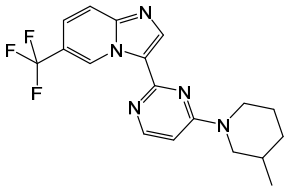
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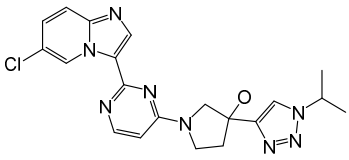
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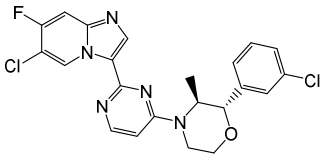
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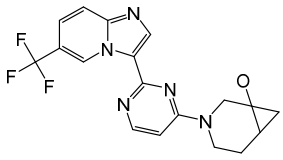
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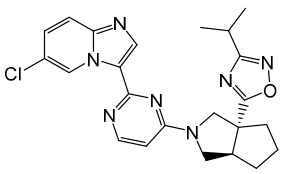
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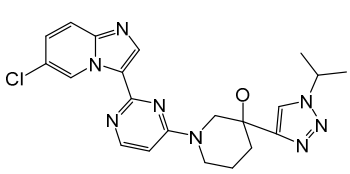
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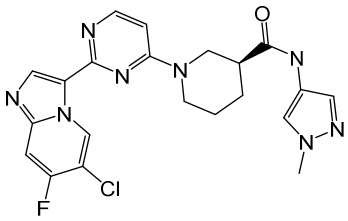
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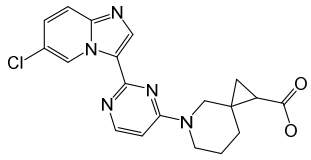
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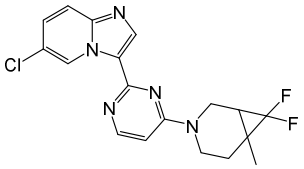
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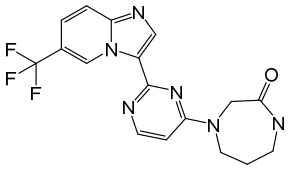
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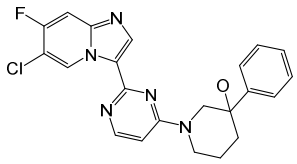
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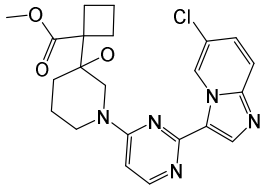
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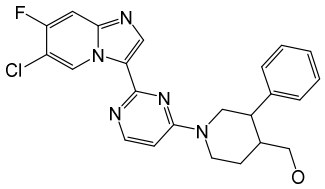
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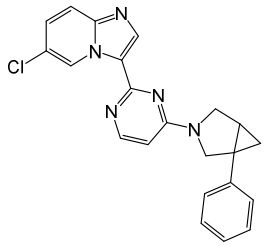
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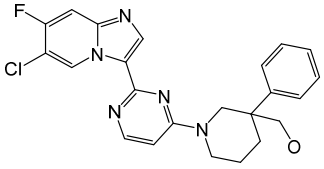
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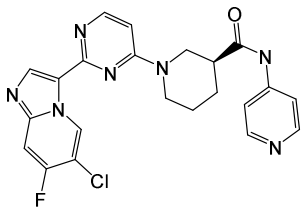
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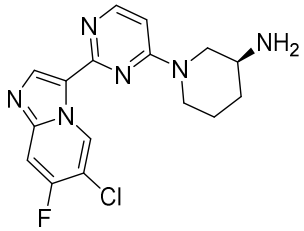
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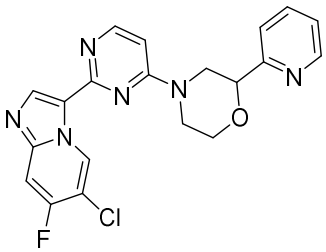
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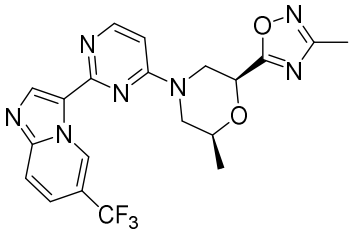
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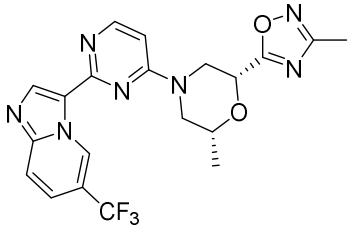
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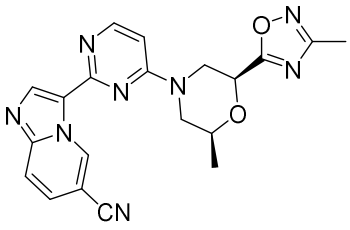
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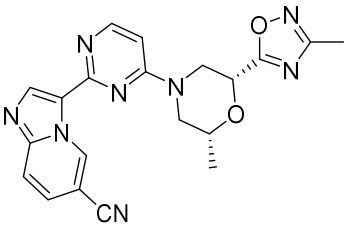
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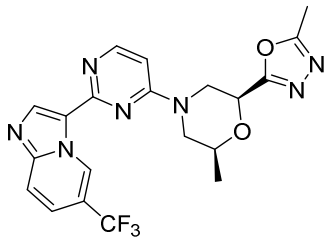
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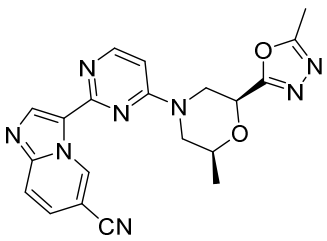
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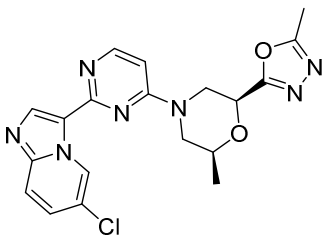
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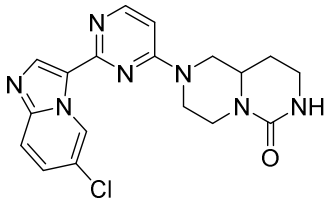
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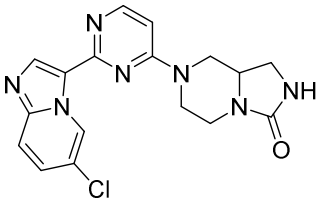
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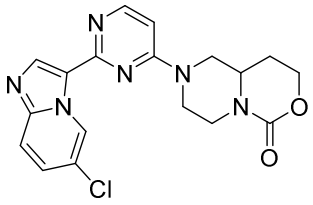
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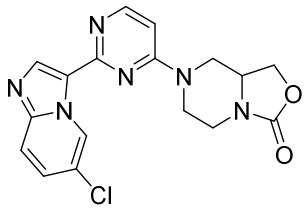
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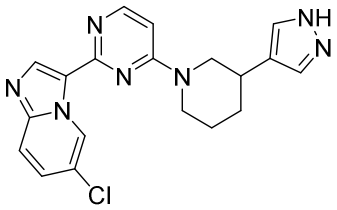
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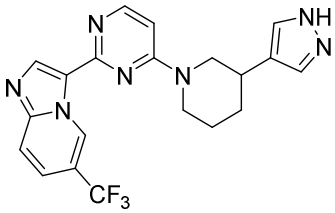
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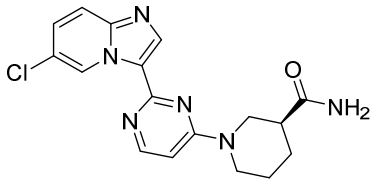
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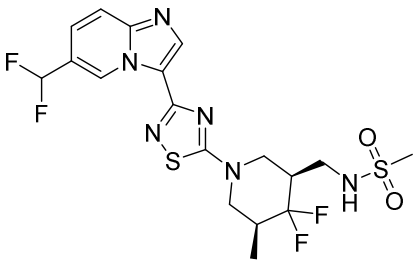
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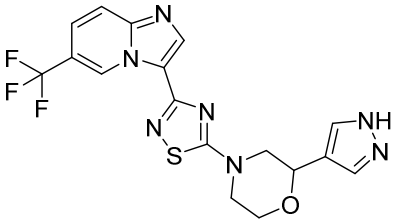
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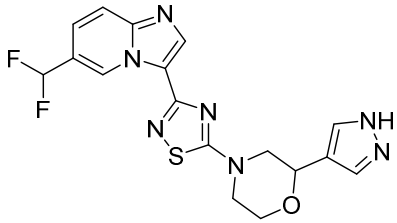
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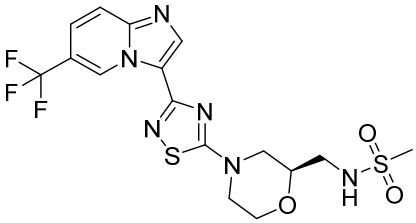
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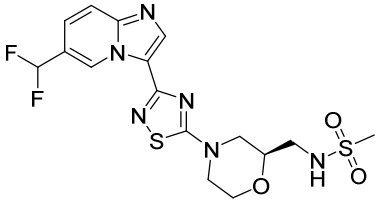
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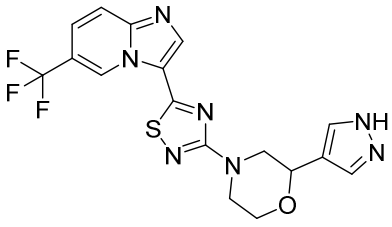
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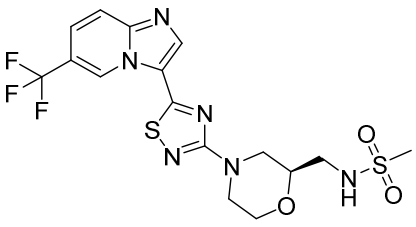
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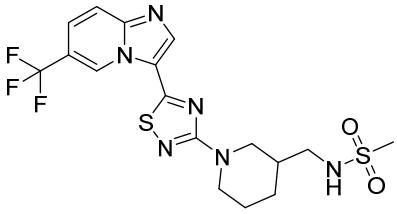
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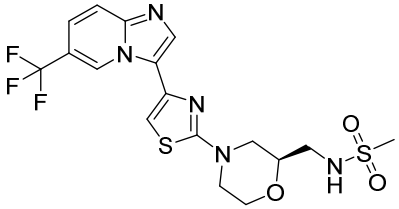
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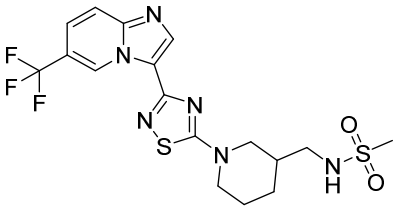
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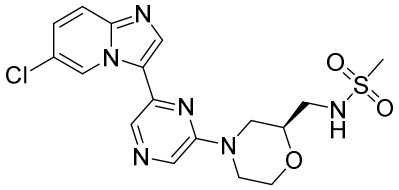
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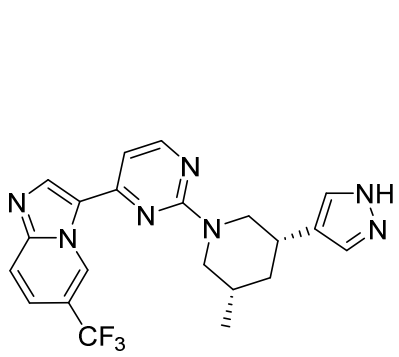
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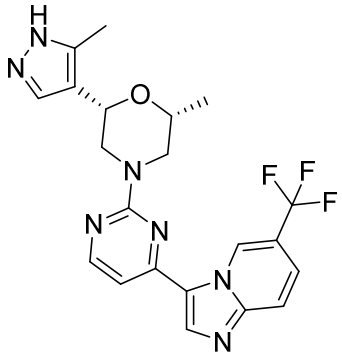
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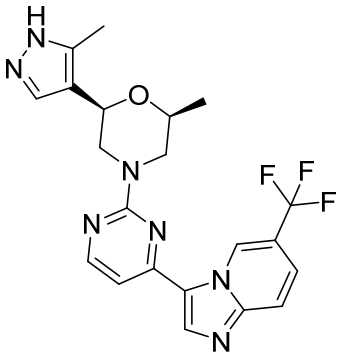
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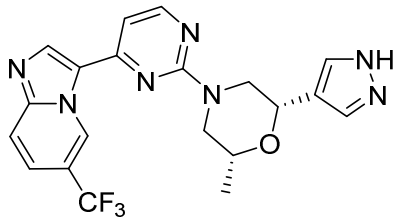
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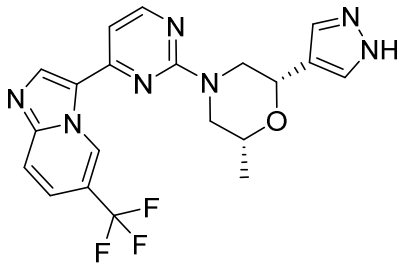
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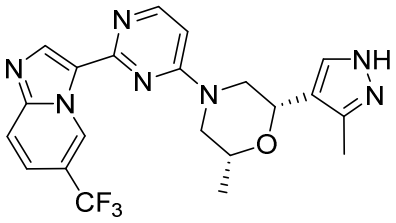
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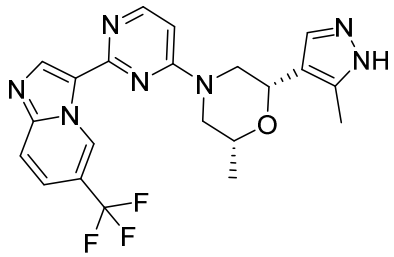
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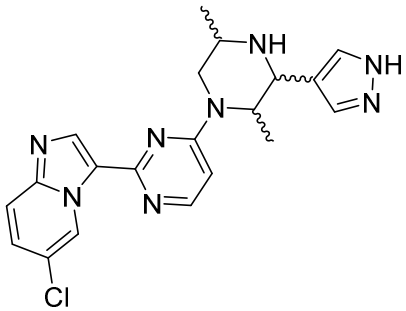
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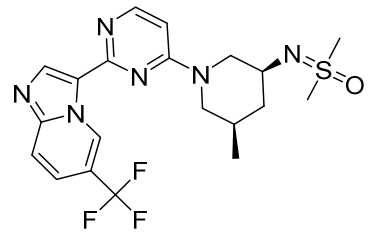
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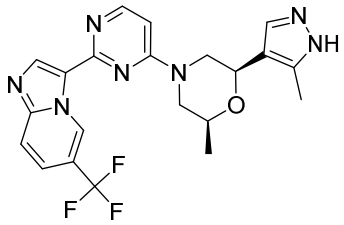
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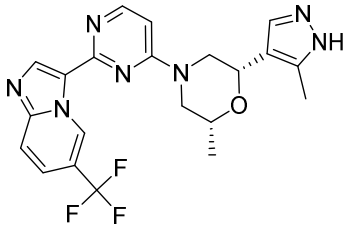
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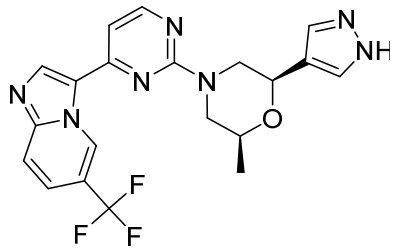
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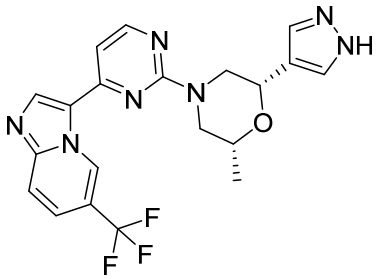
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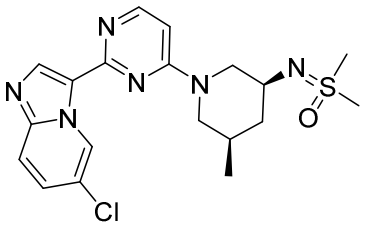
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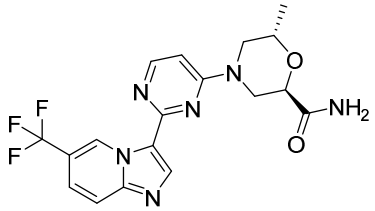
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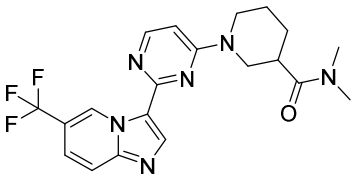
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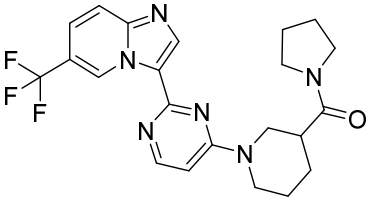
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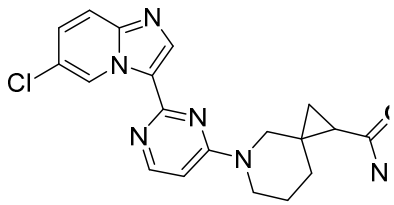
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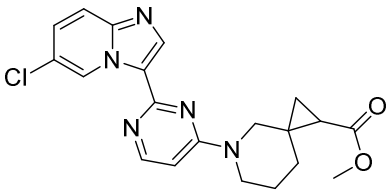
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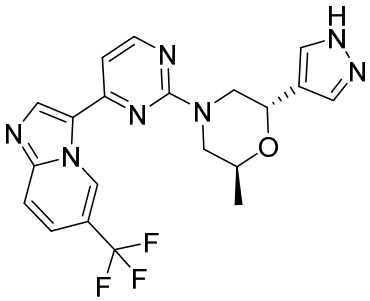
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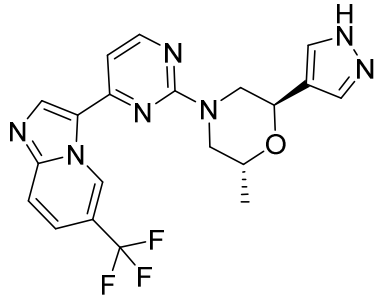
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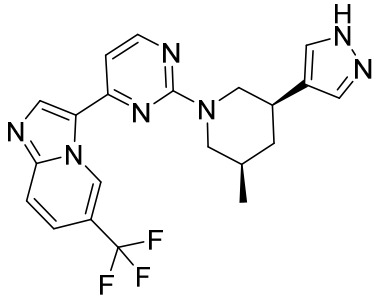
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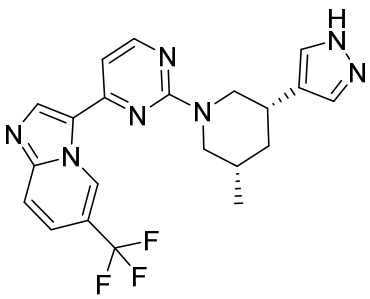
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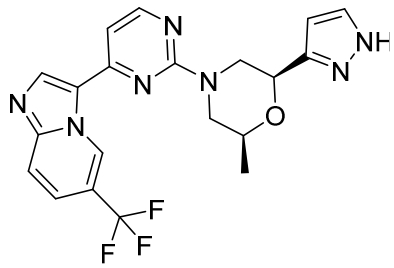
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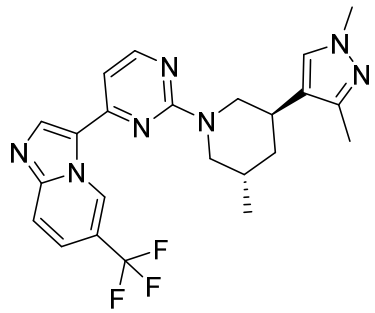
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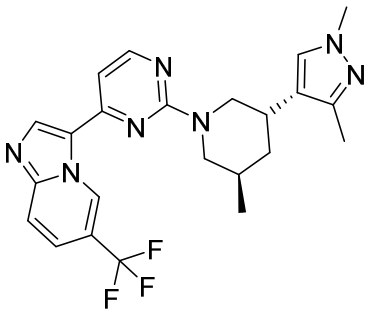
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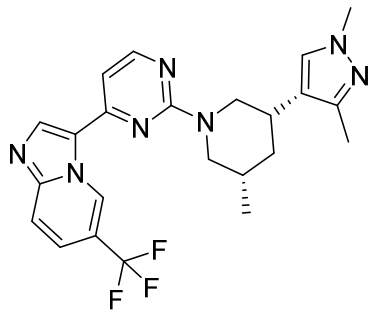
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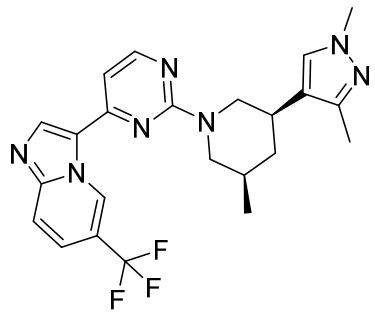
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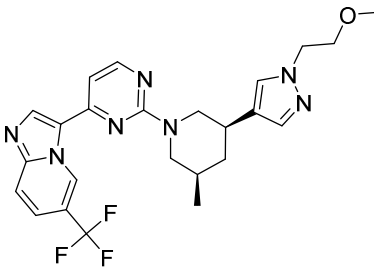
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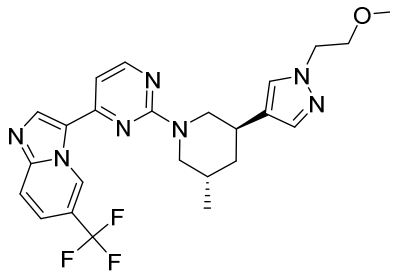
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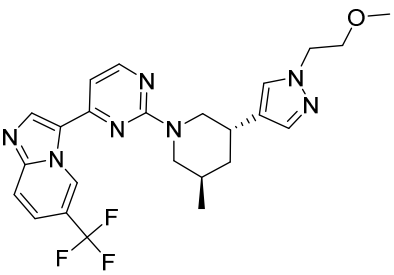
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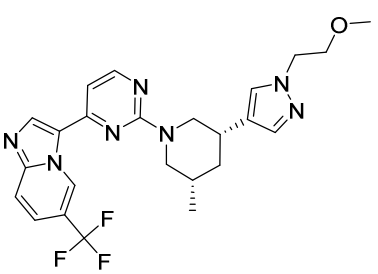
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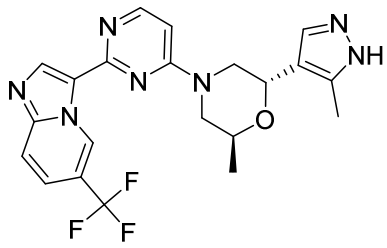
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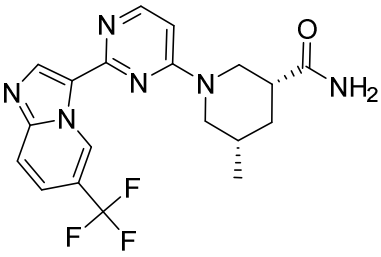
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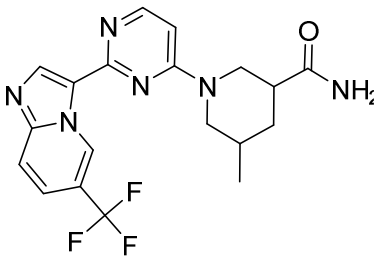
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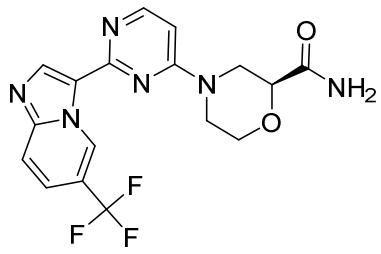
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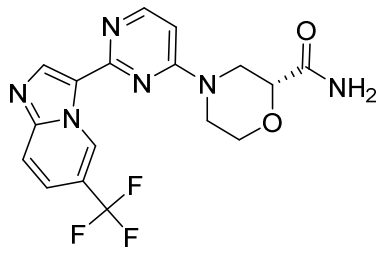
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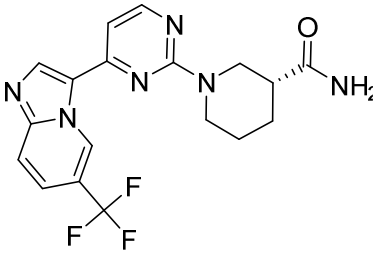
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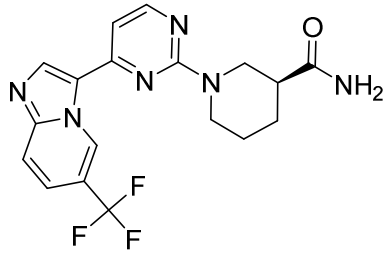
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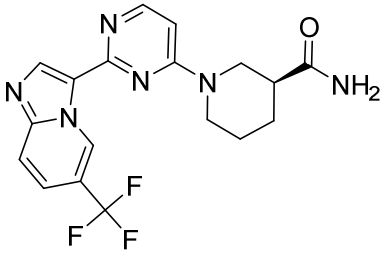
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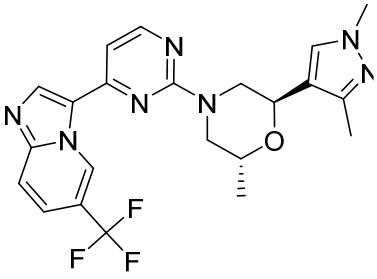
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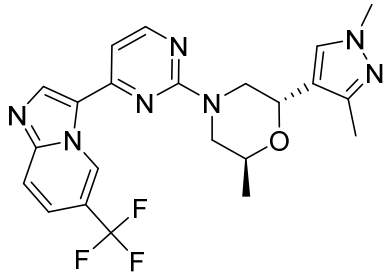
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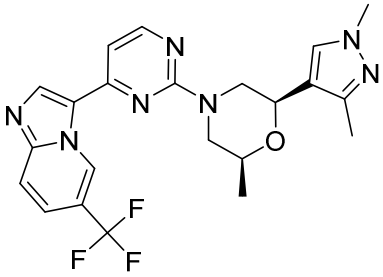
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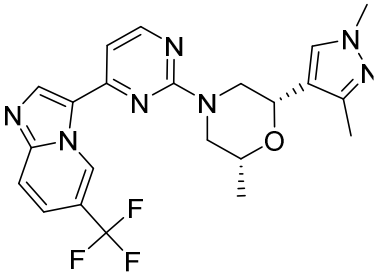
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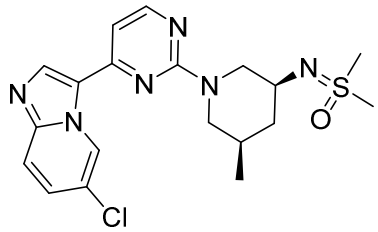
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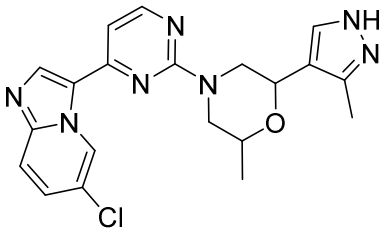
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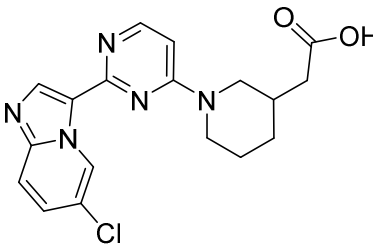
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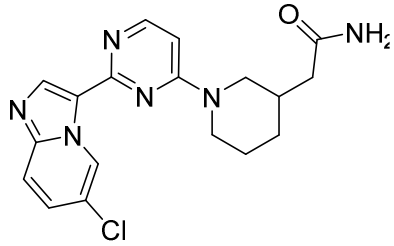
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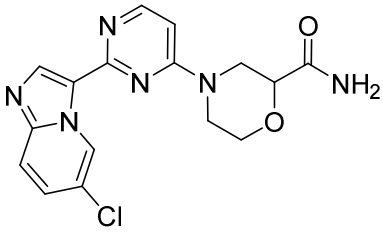
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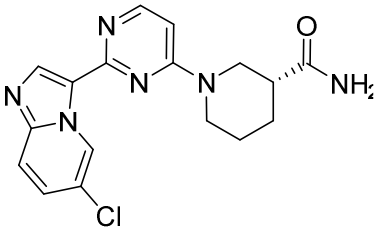
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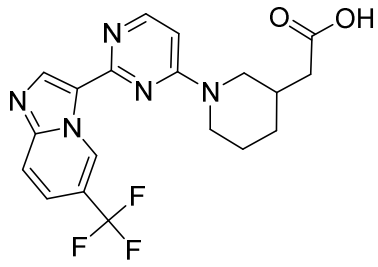
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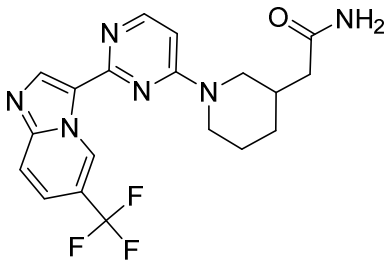
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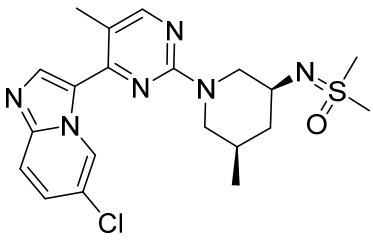
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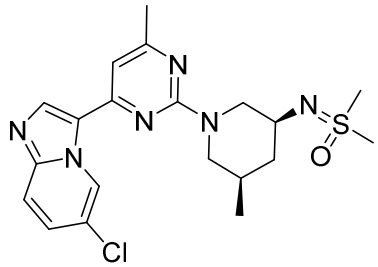
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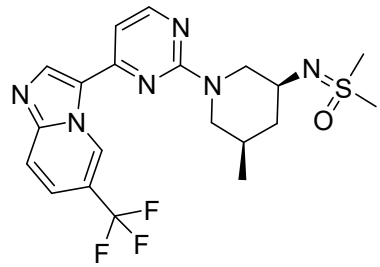
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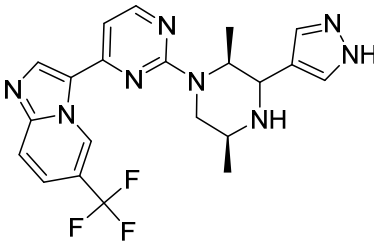
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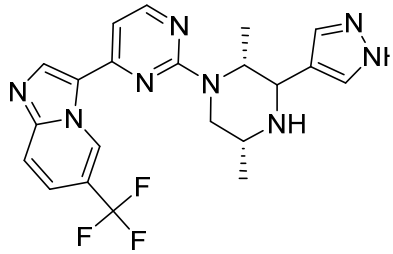
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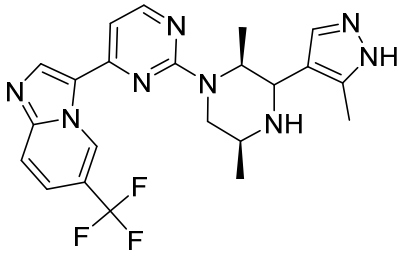
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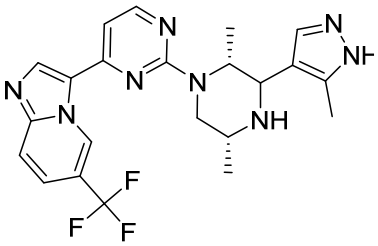
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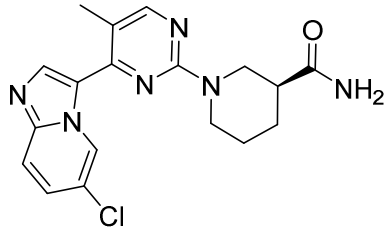
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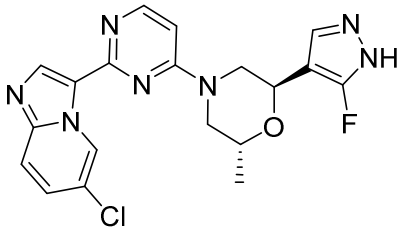
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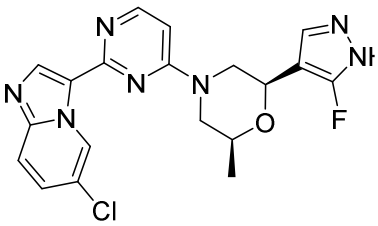
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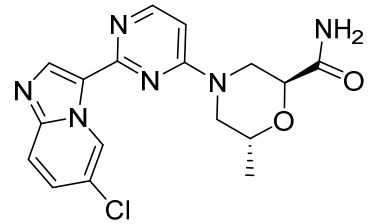
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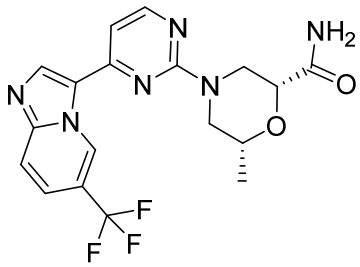
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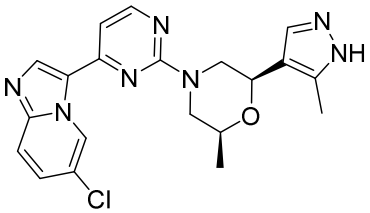
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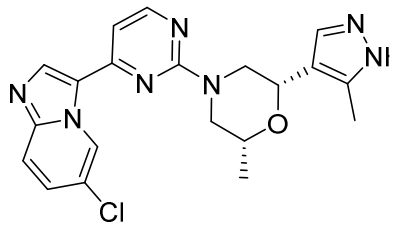
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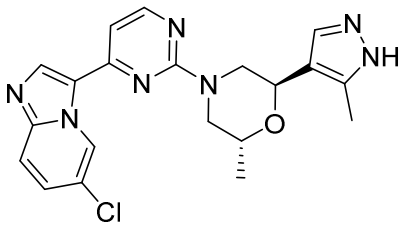
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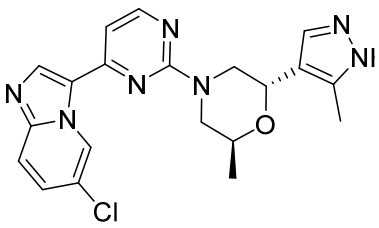
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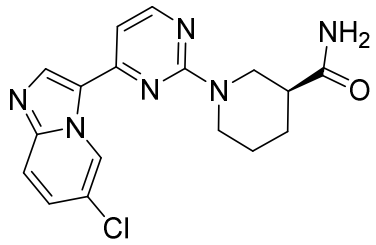
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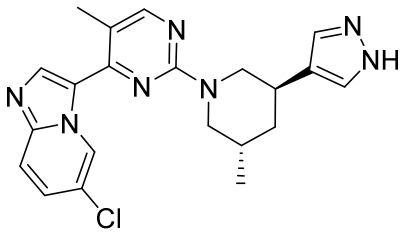
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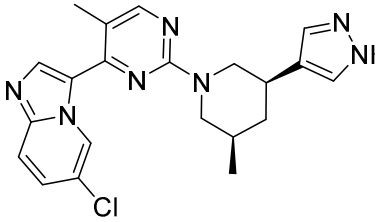
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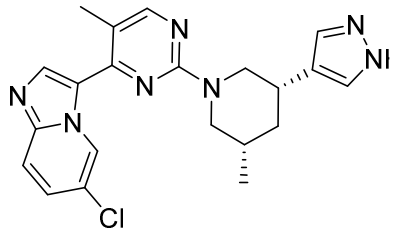
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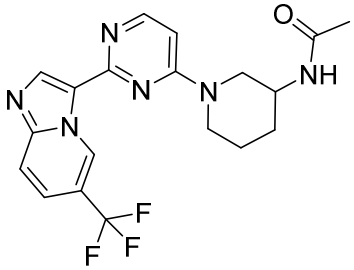
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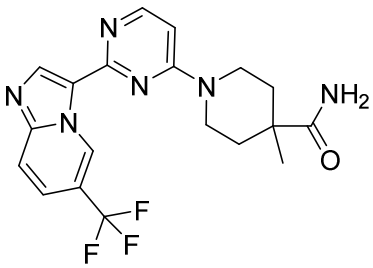
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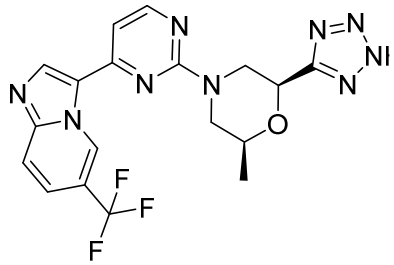
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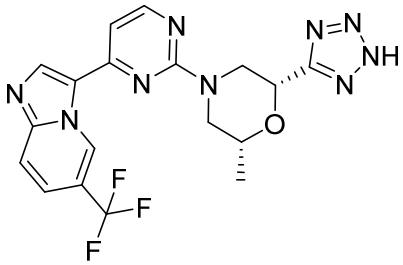
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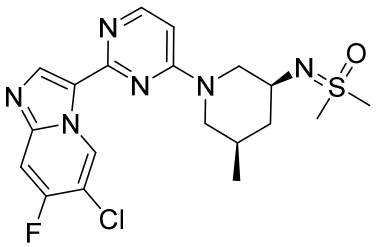
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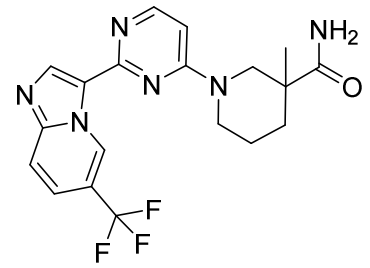
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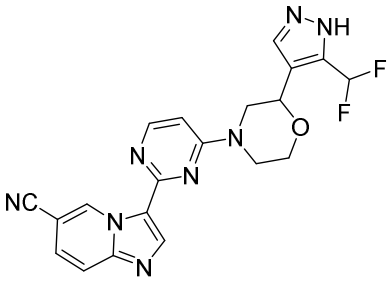
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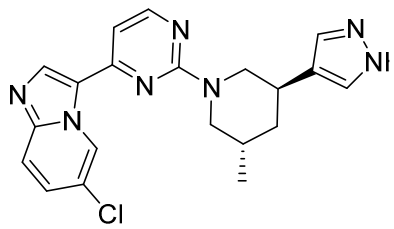
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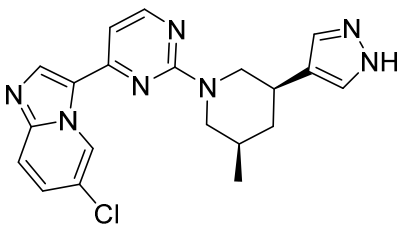
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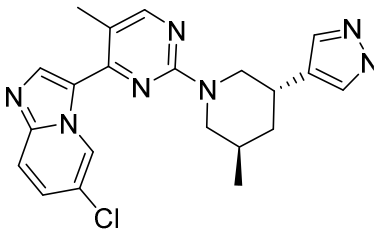
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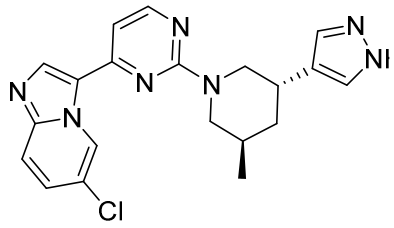
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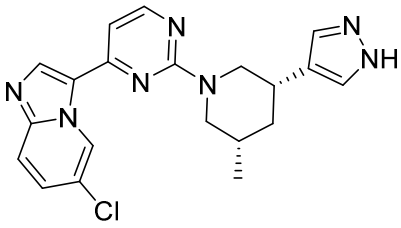
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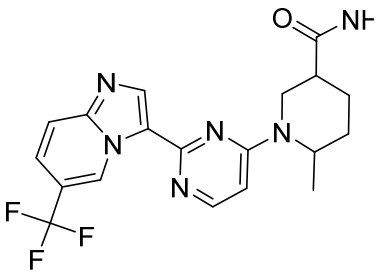
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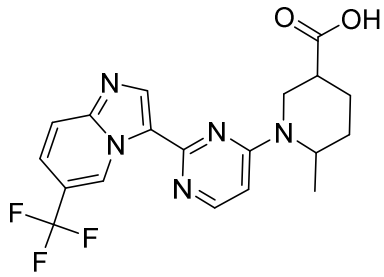
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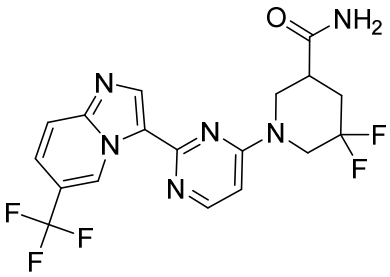
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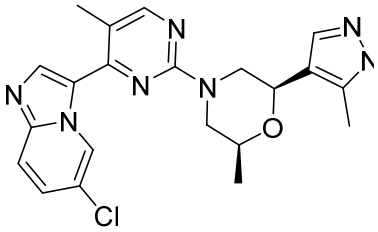
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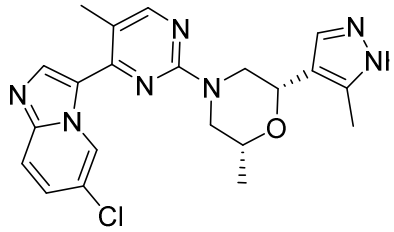
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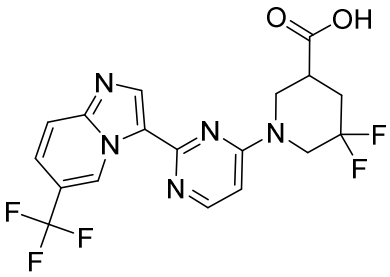
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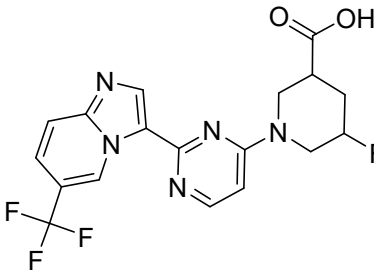
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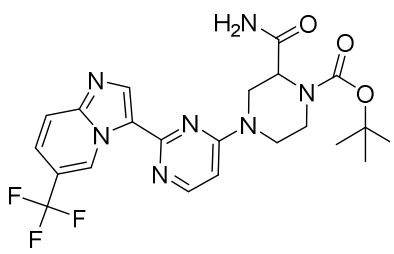
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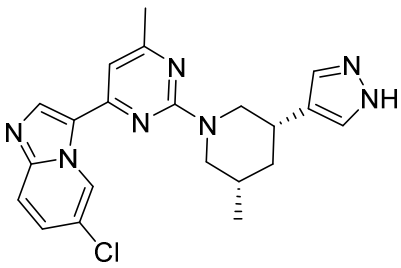
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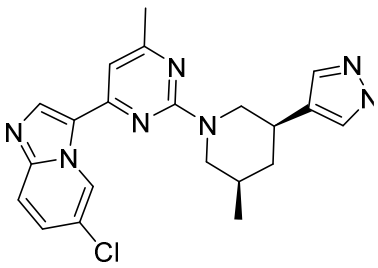
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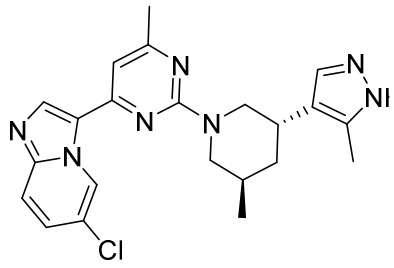
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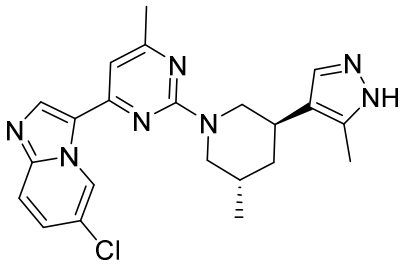
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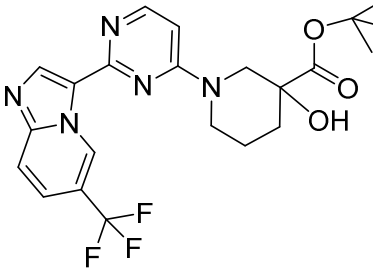
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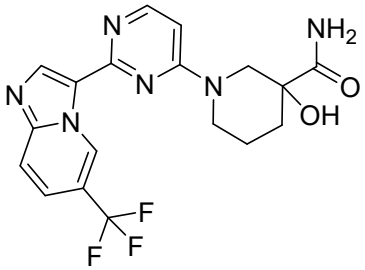
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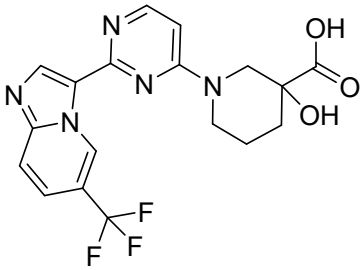
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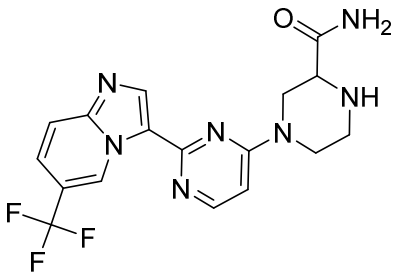
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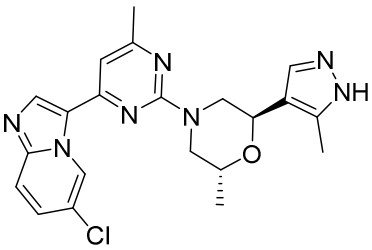
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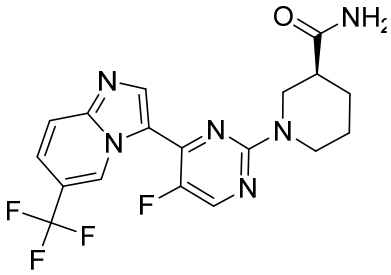
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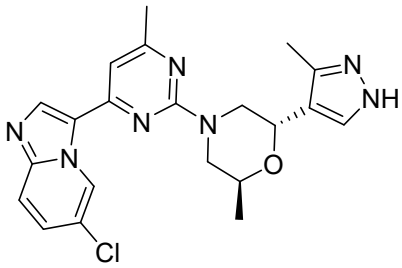
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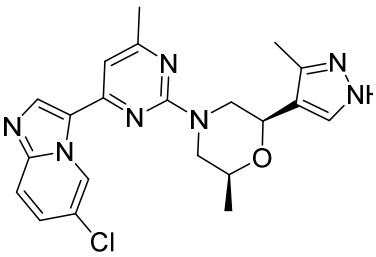
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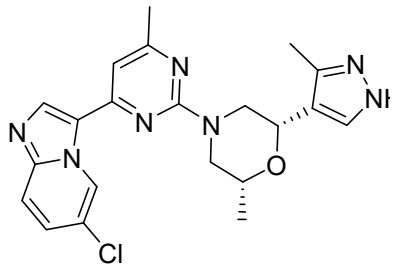
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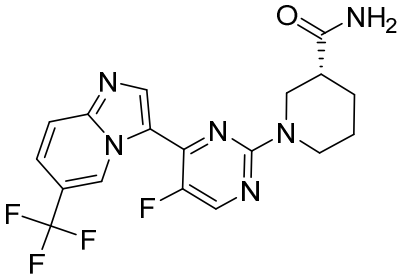
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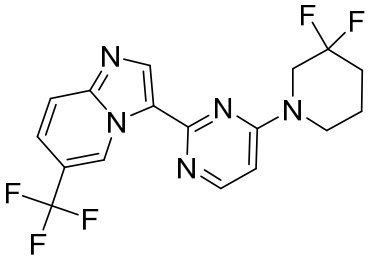
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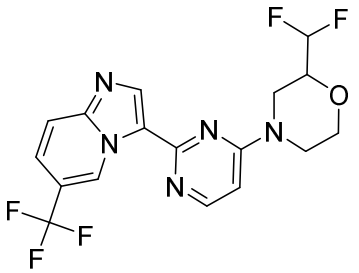
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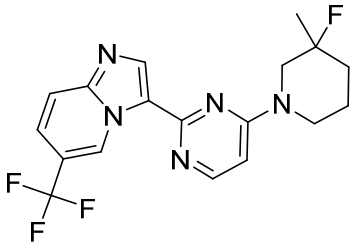
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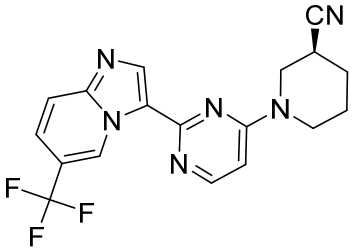
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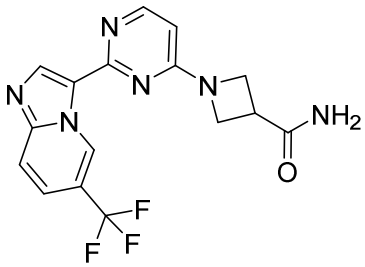
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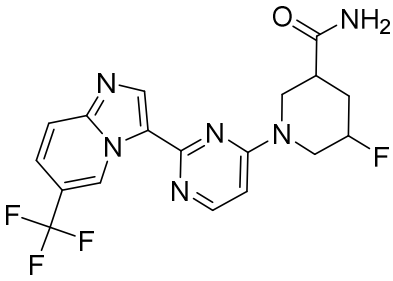
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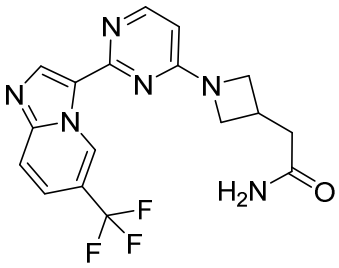
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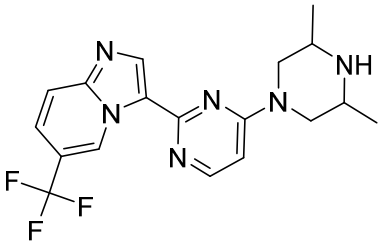
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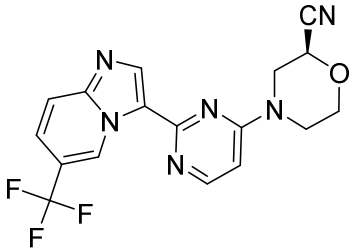
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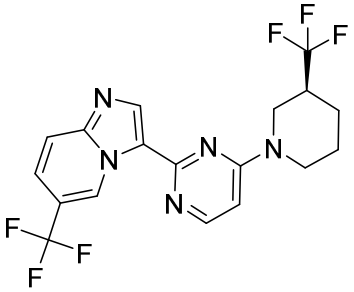
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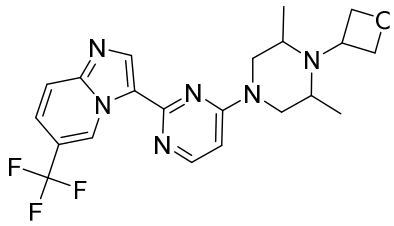
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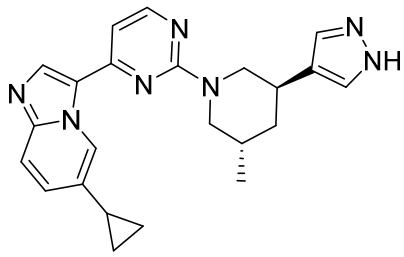
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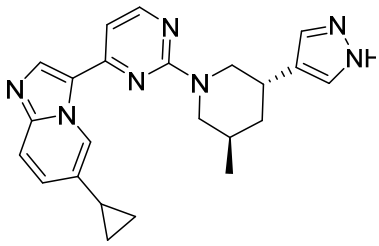
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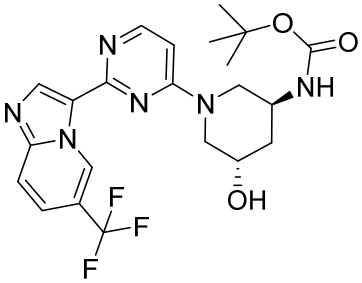
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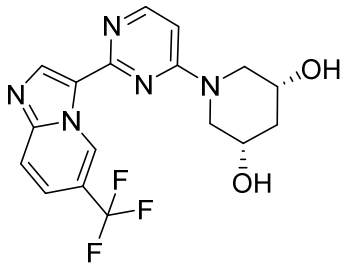
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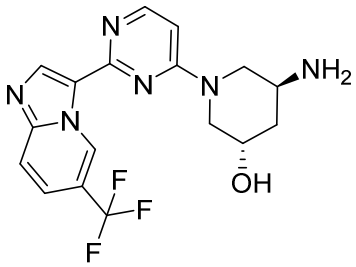
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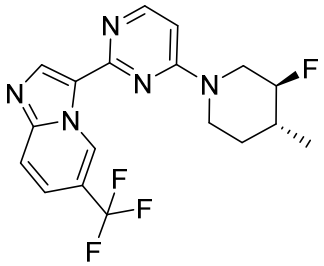
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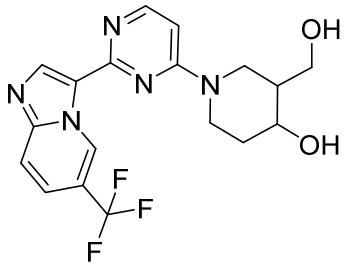
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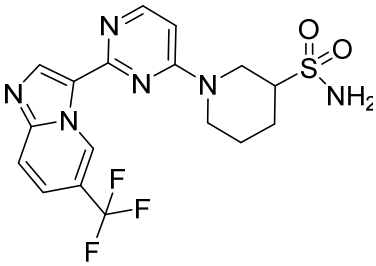
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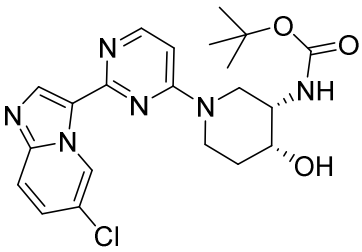
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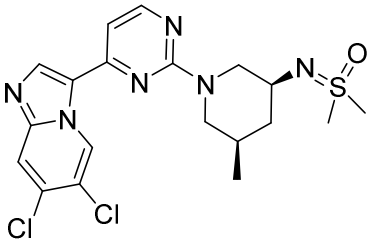
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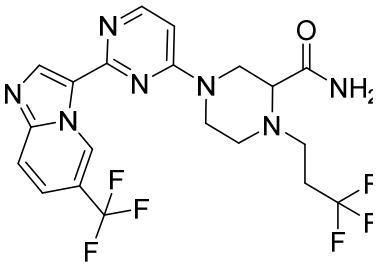
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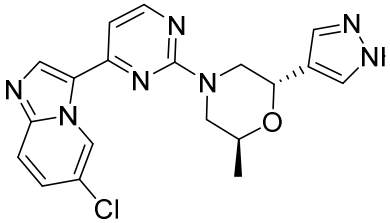
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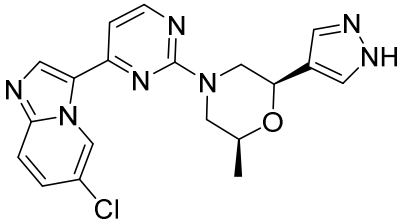
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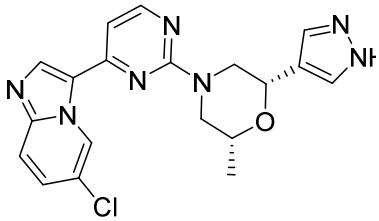
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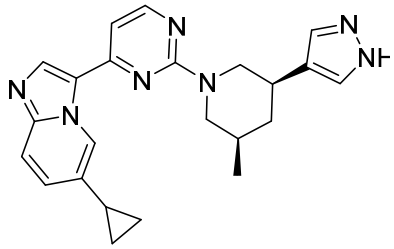
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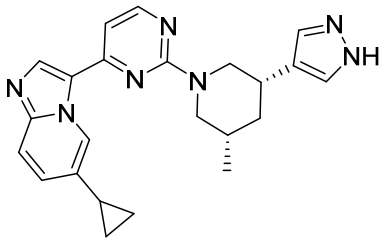
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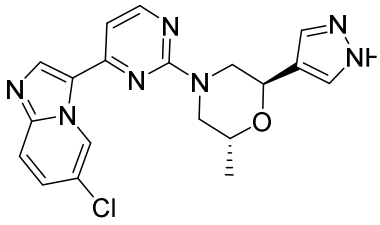
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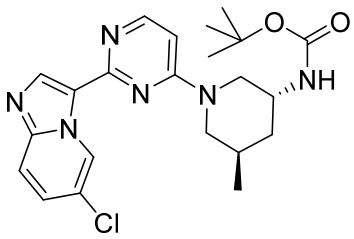
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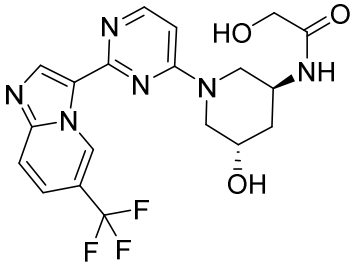
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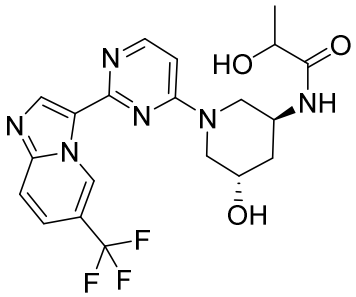
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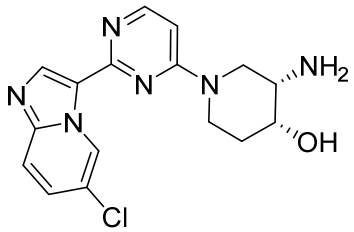
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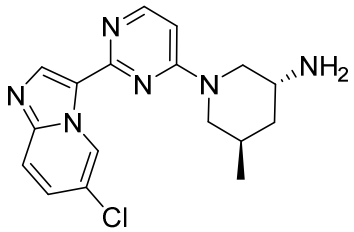
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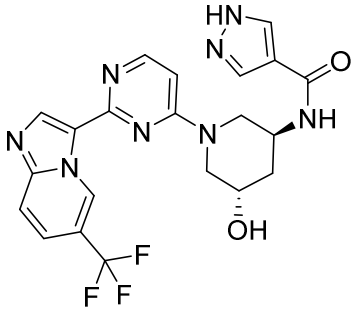
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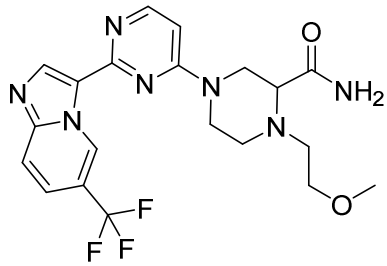
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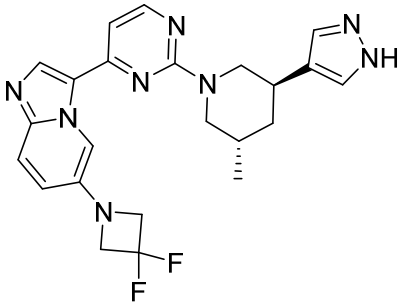
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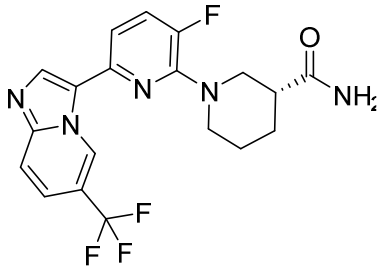
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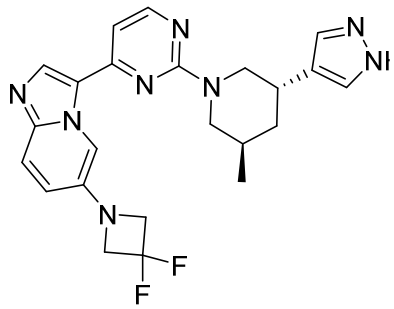
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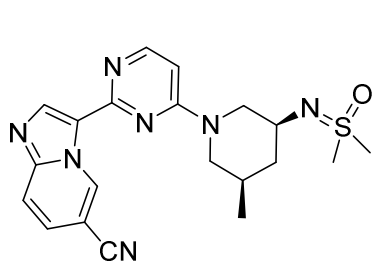
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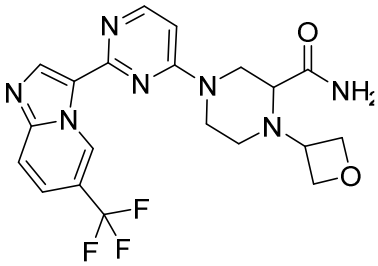
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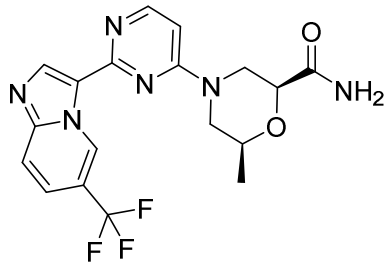
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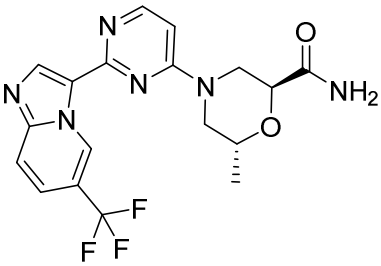
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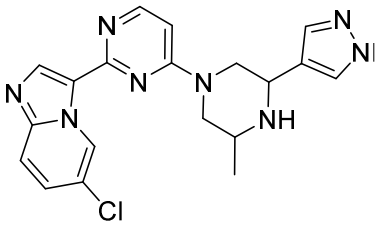
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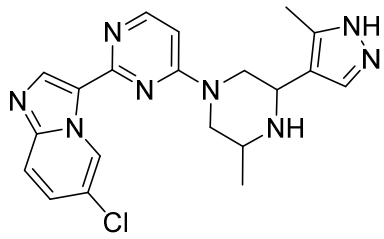
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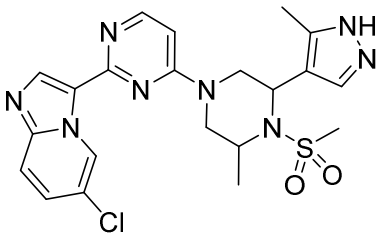
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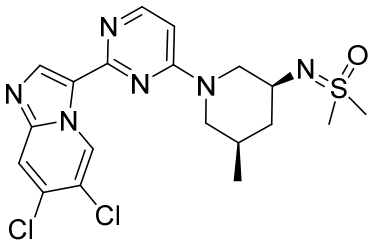
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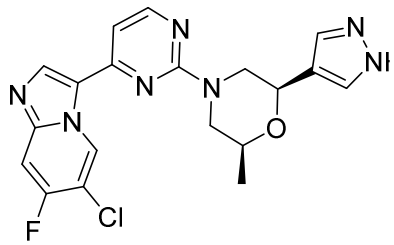
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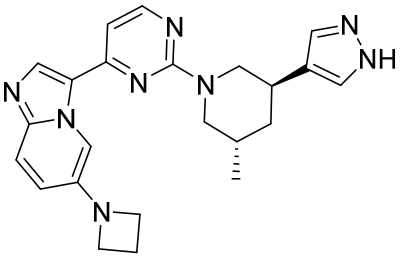
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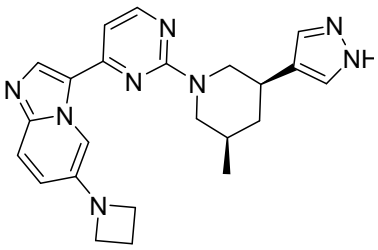
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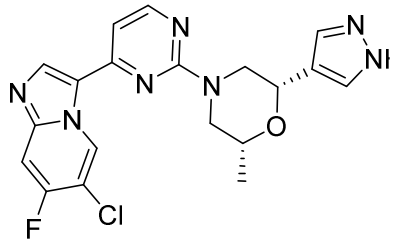
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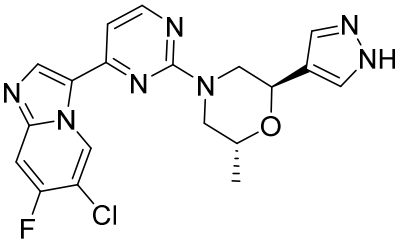
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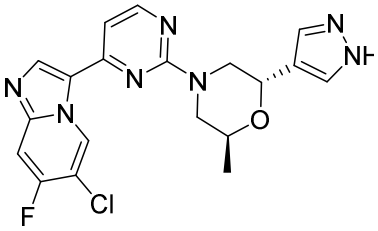
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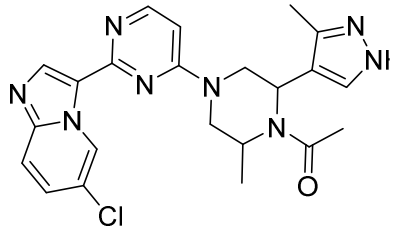
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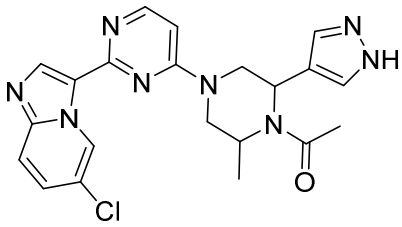
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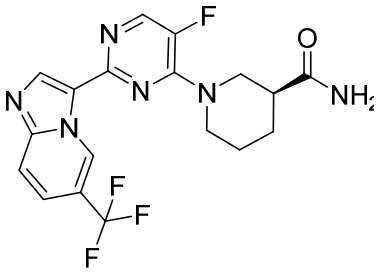
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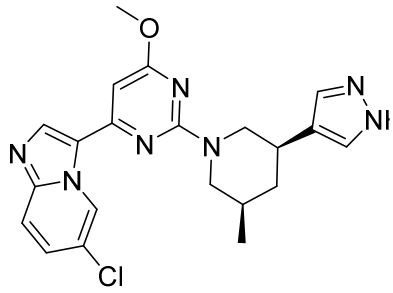
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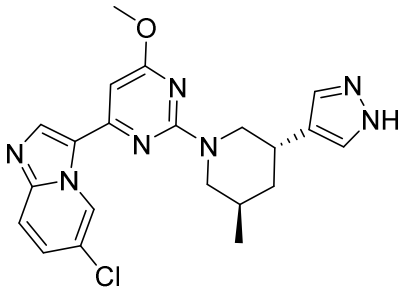
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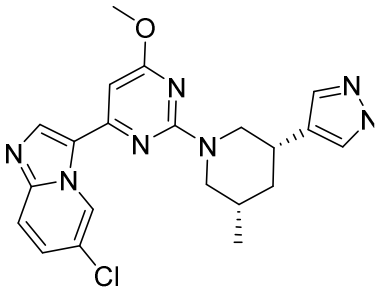
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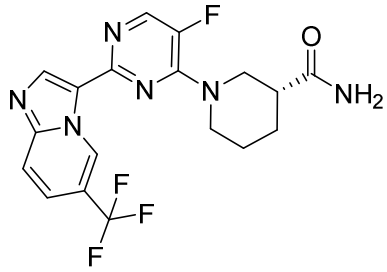
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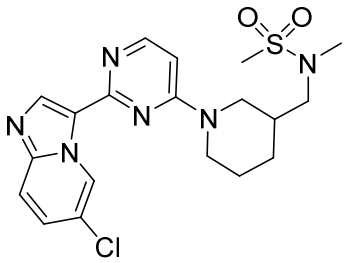
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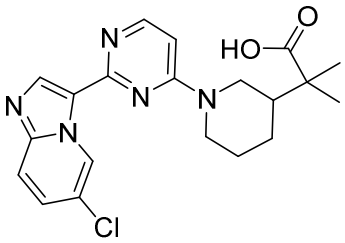
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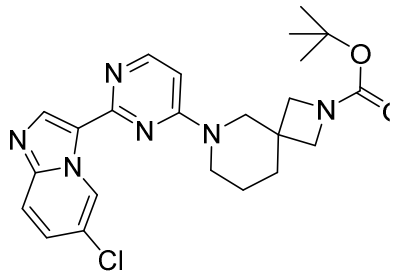
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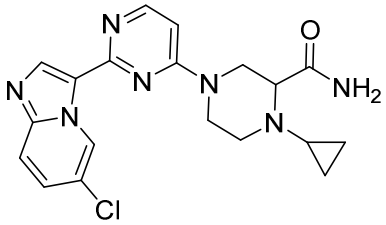
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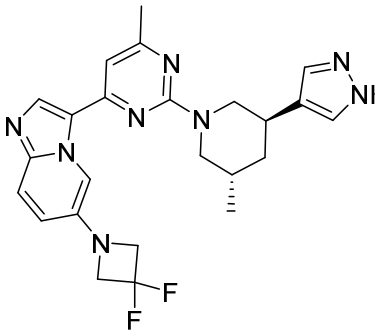
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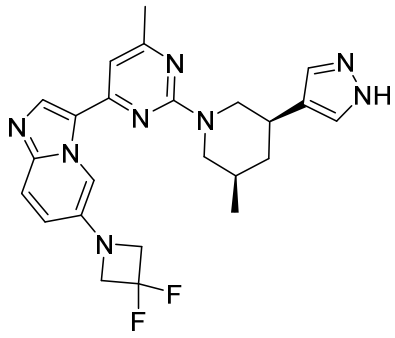
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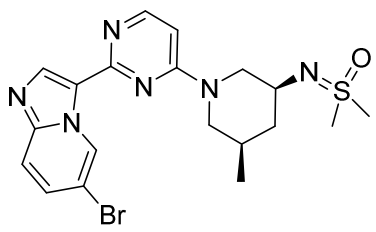
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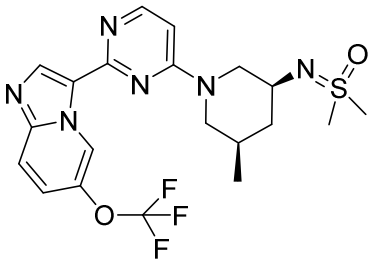
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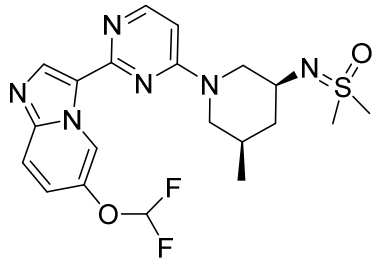
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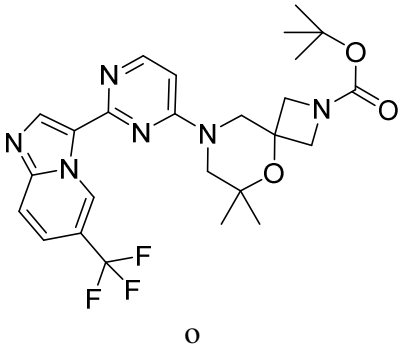
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I-290

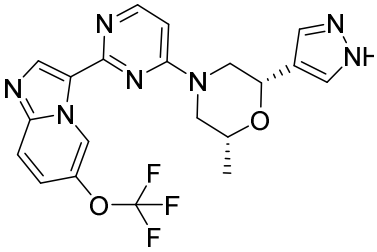


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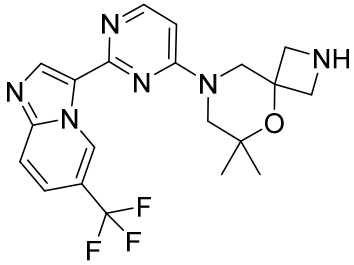


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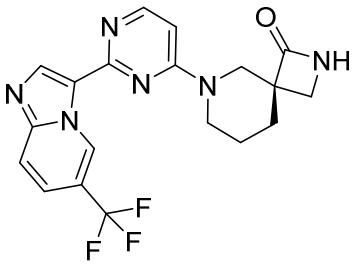
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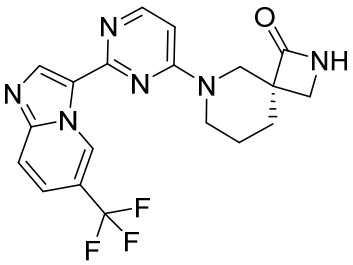
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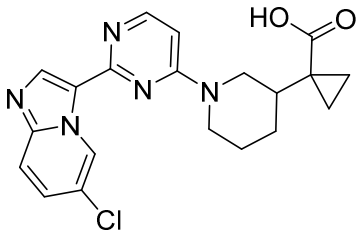
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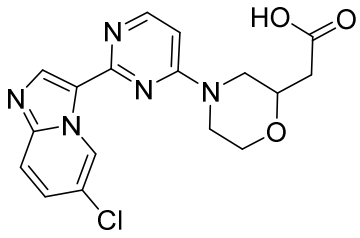
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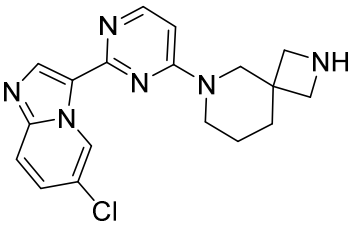
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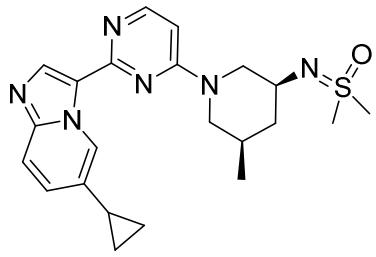
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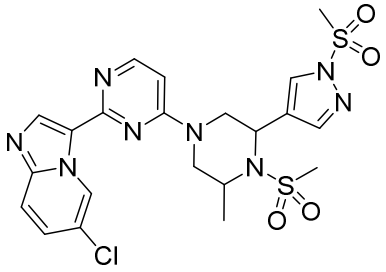
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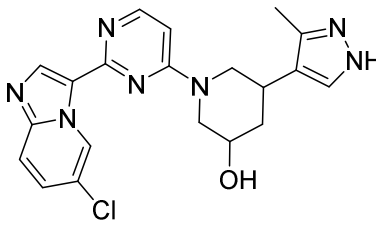
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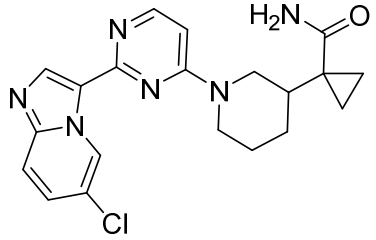
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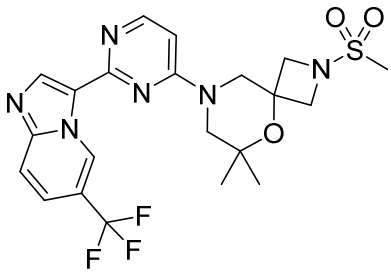
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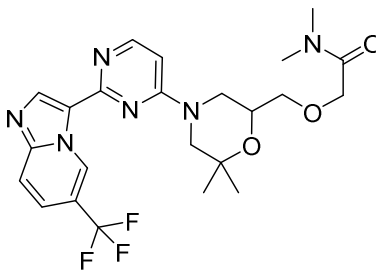
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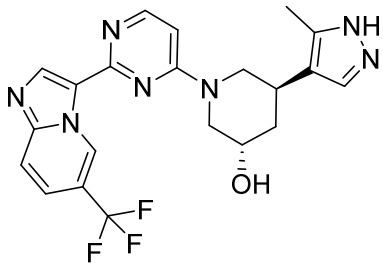
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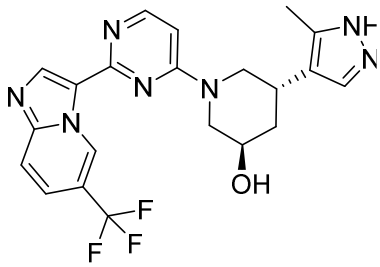
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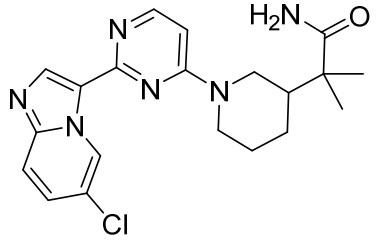
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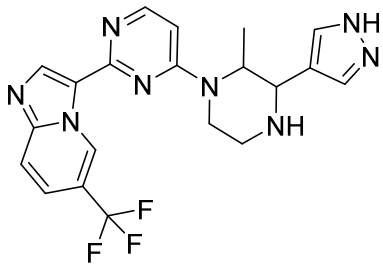
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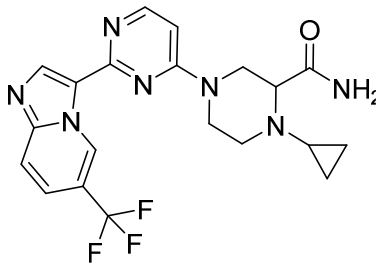
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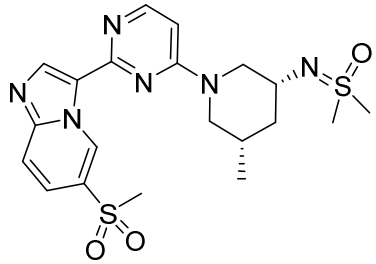
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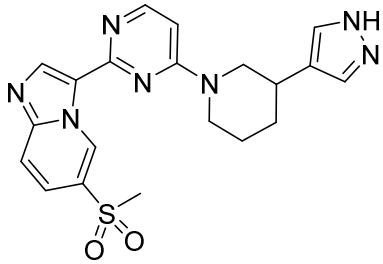
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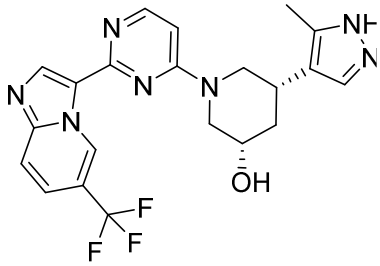
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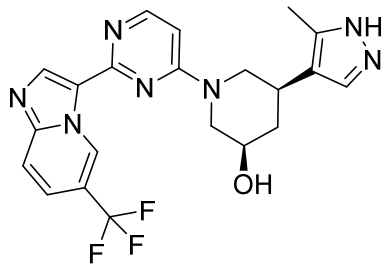
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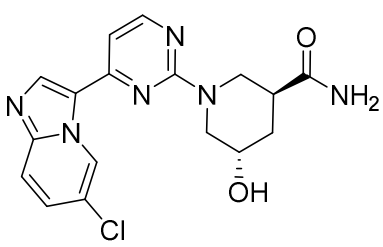
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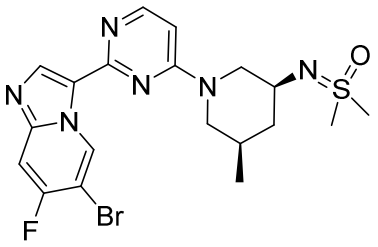
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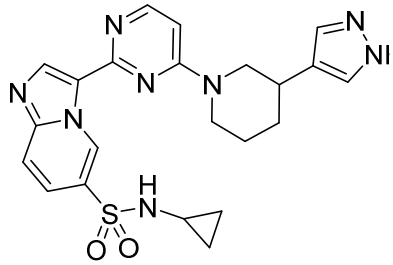
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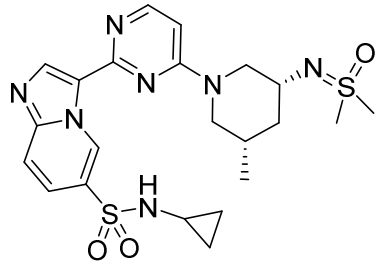
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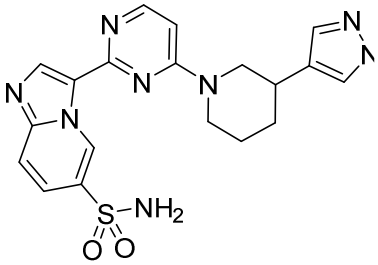
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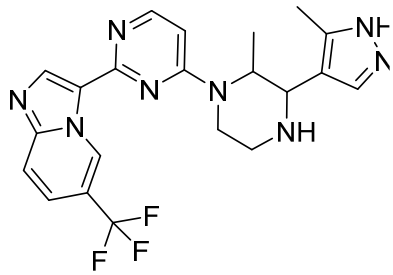
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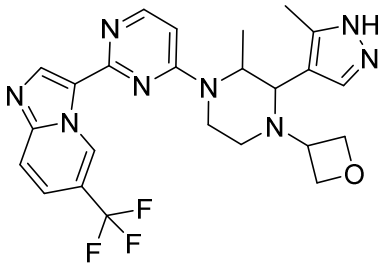
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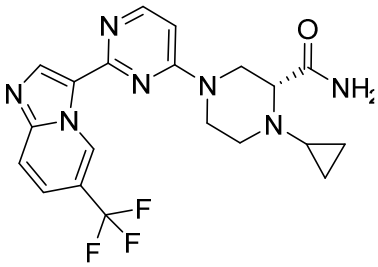
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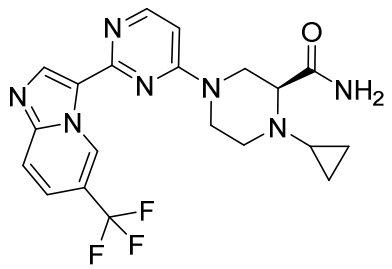
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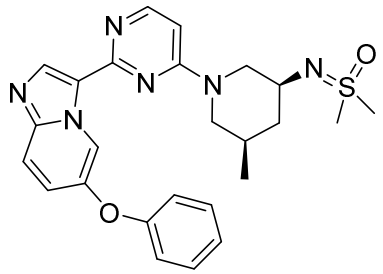
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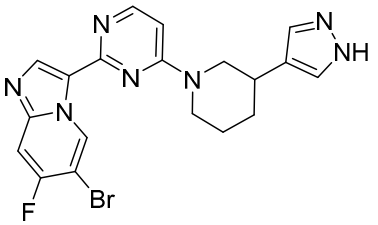
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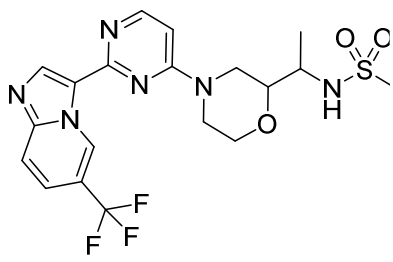
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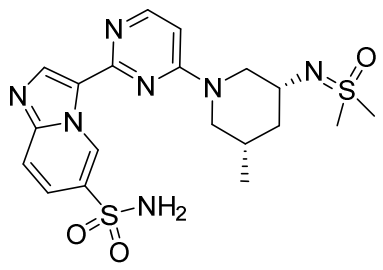
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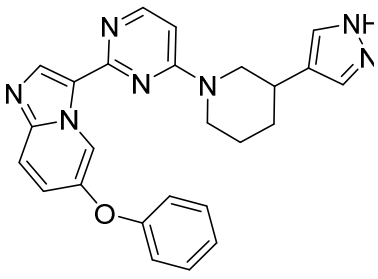
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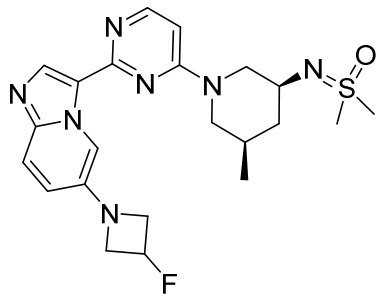
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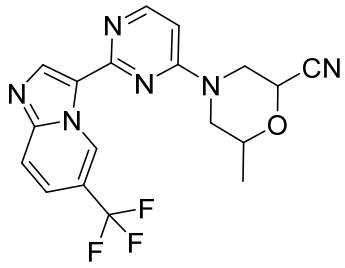
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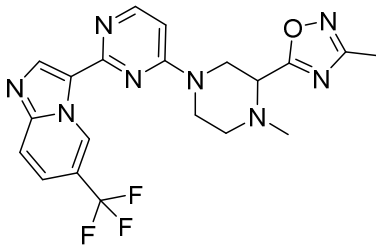
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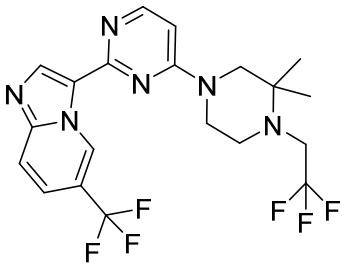
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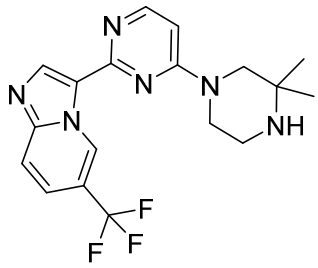
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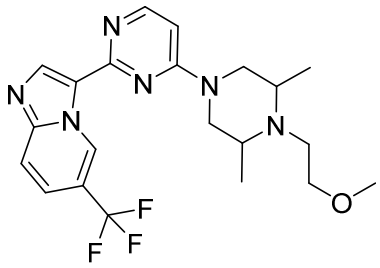
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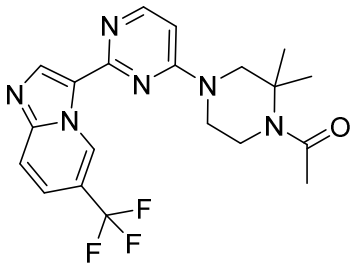
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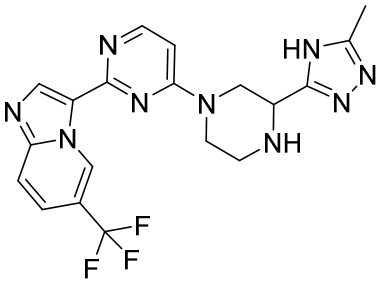
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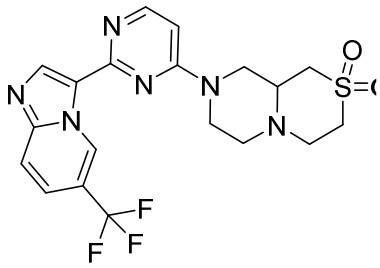
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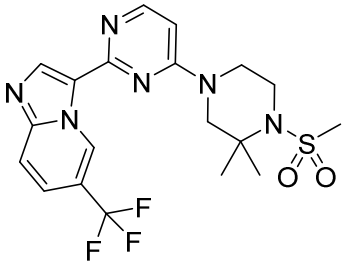
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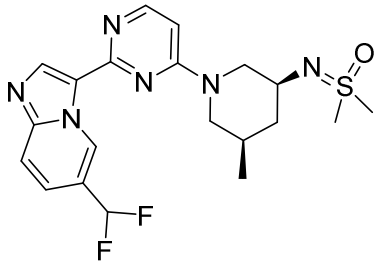
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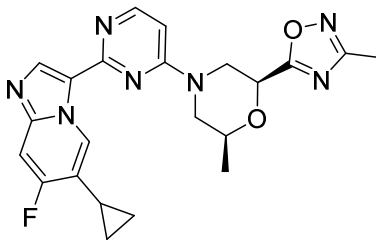
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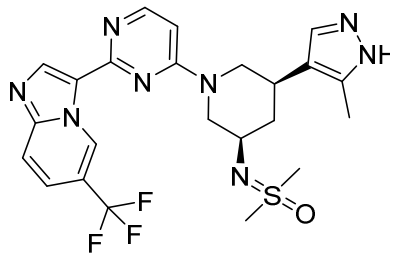
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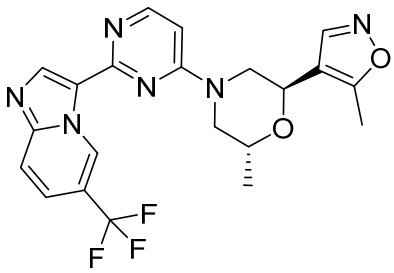
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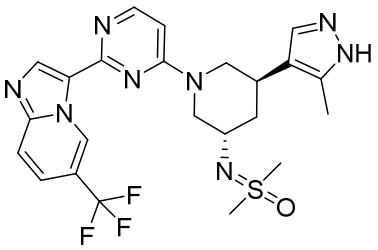
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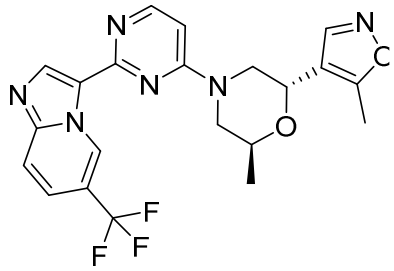
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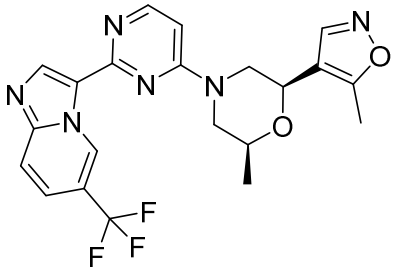
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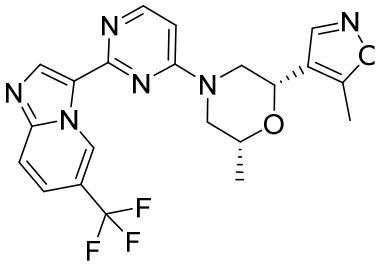
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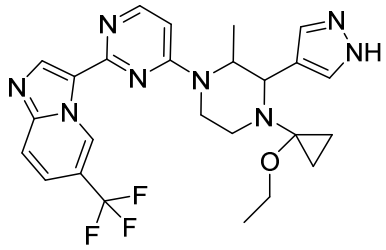
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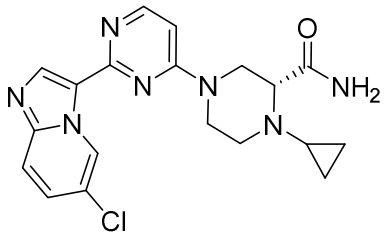
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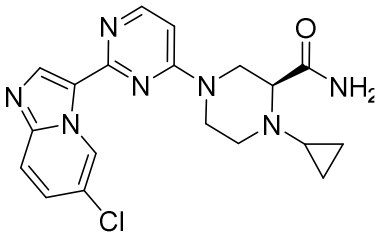
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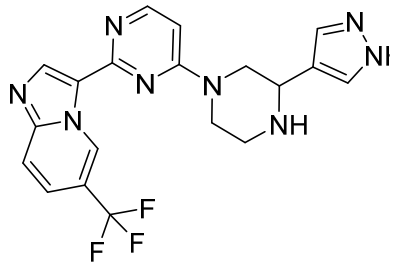
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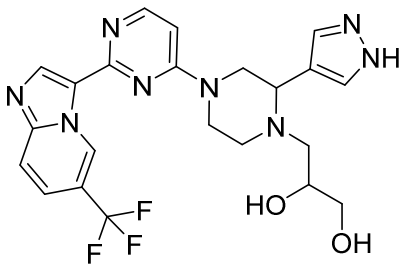
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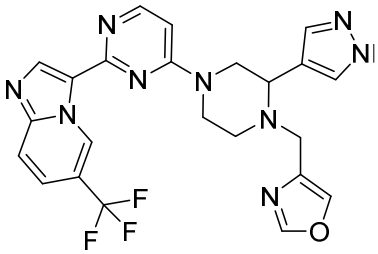
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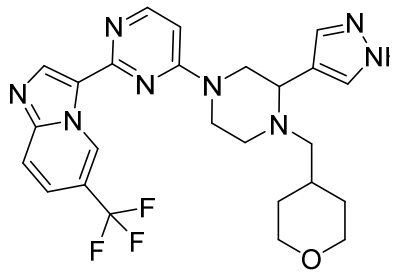
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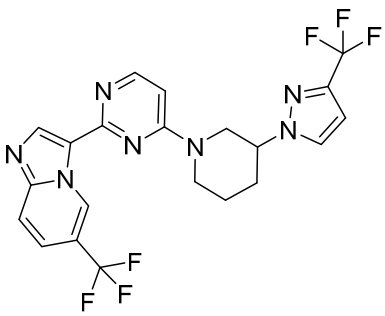
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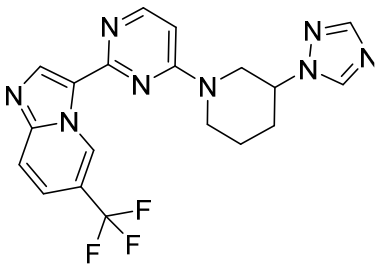
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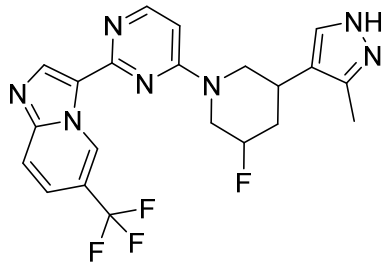
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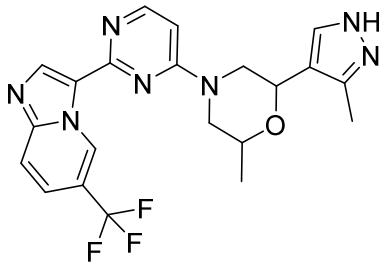
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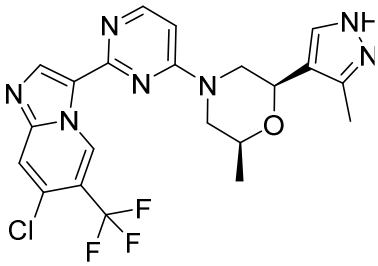
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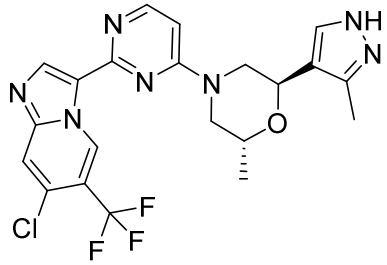
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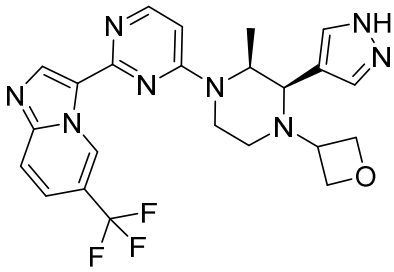
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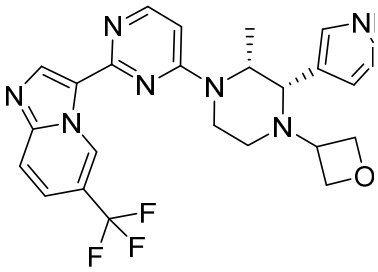
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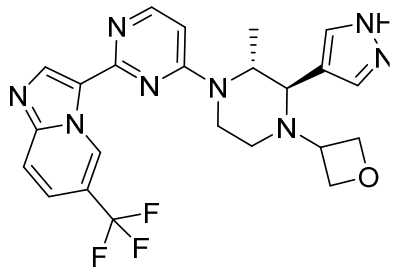
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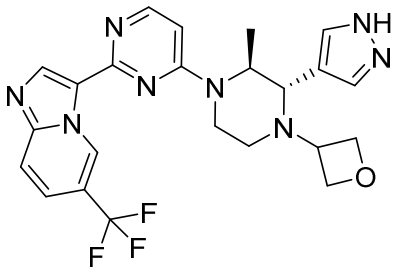
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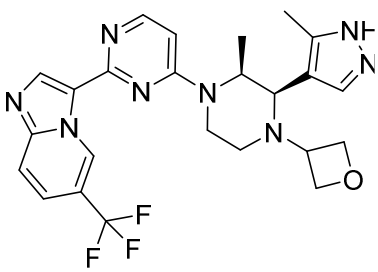
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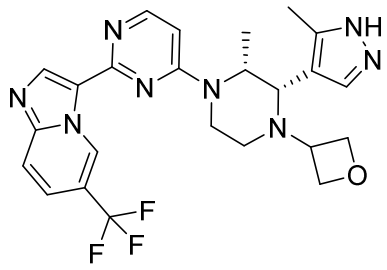
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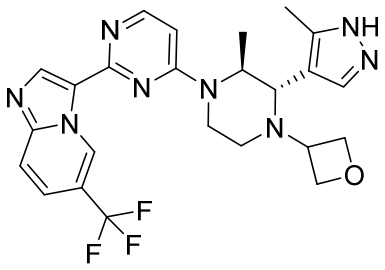
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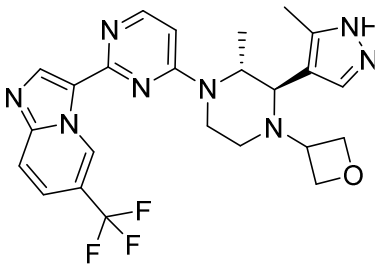
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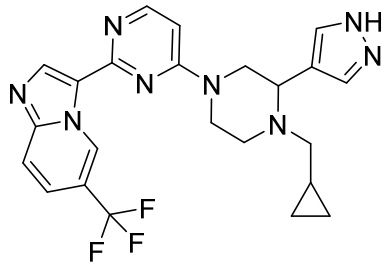
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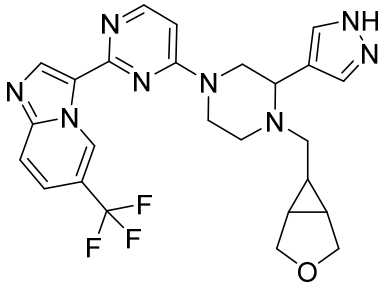
I-367



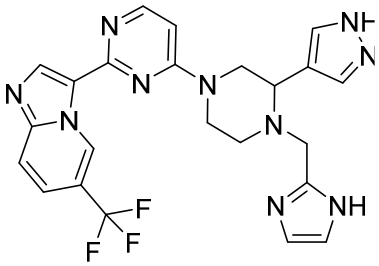
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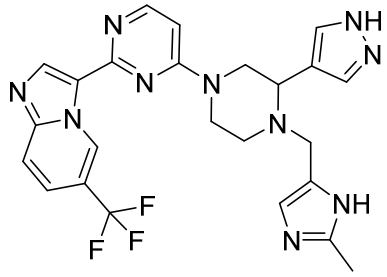
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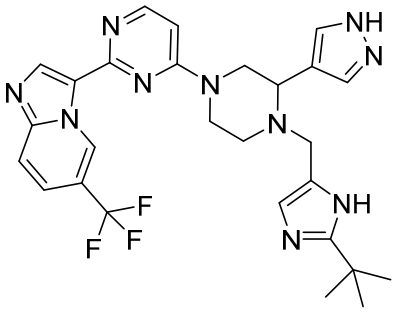
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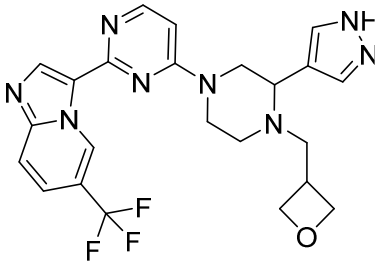
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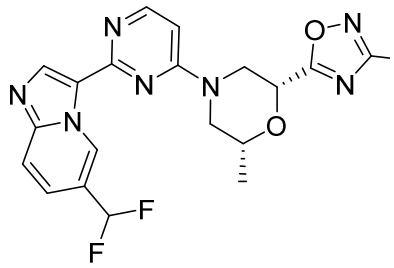
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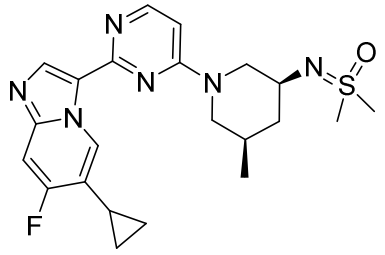
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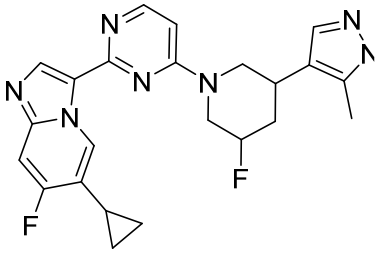
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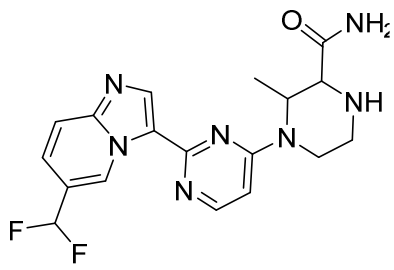
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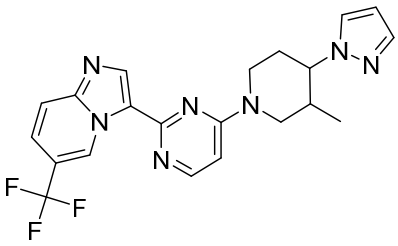
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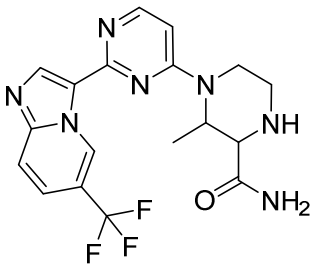
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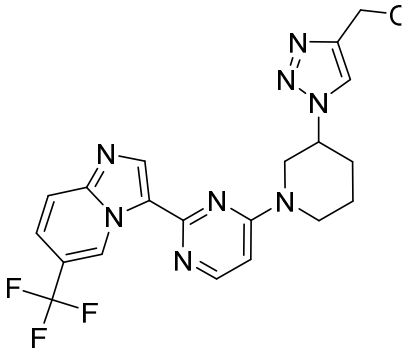
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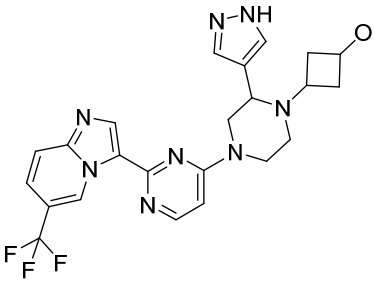
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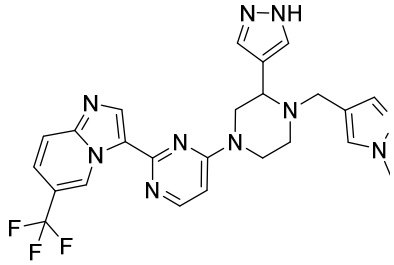
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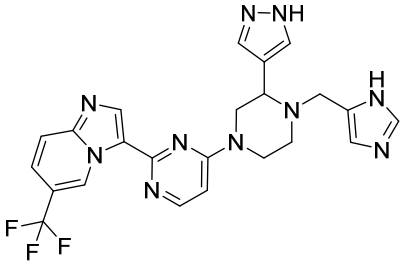
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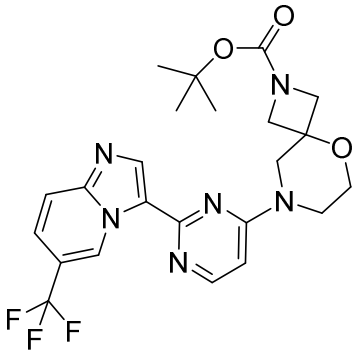
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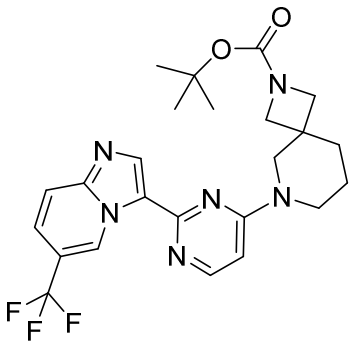
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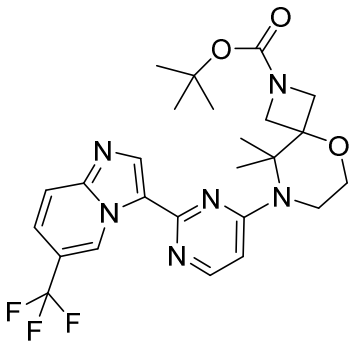
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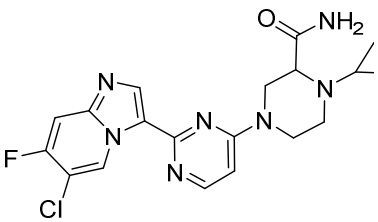
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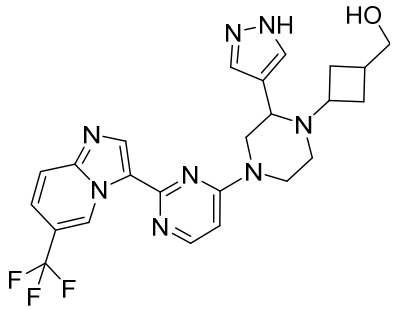
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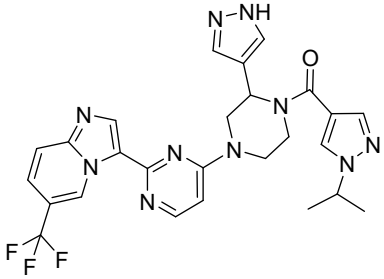
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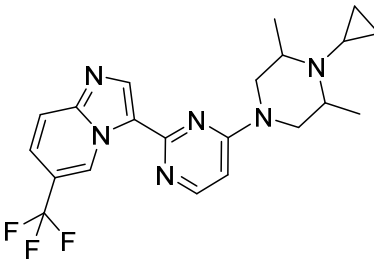
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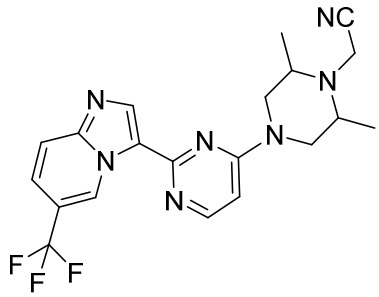
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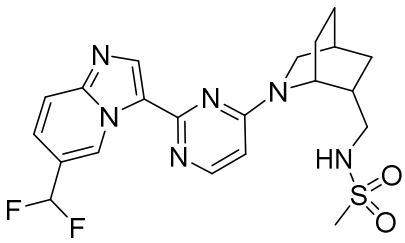
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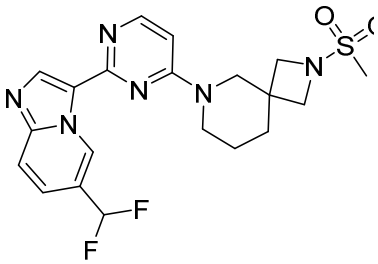
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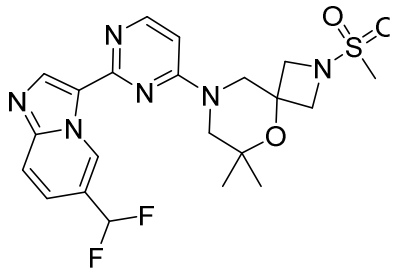
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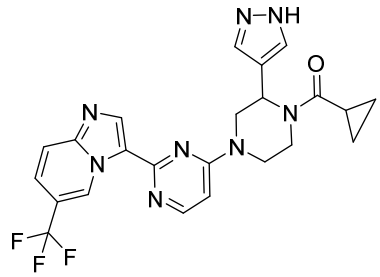
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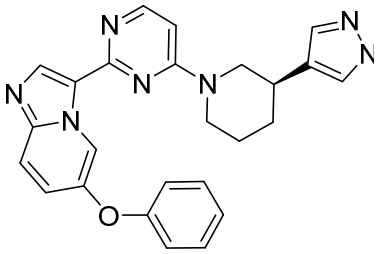
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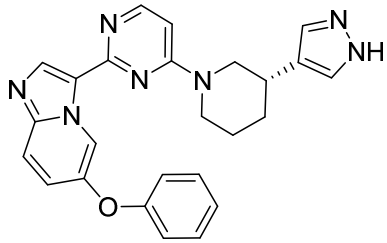
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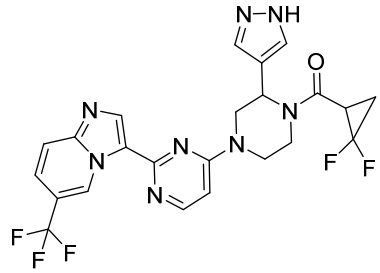
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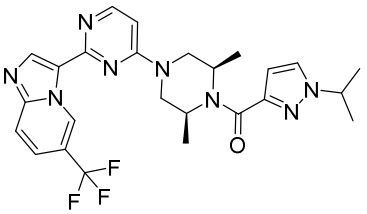
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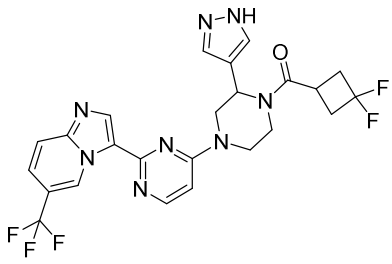
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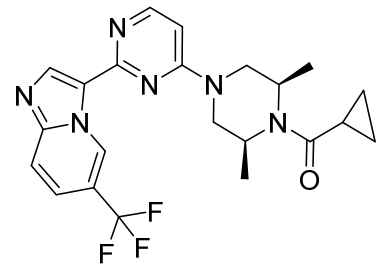
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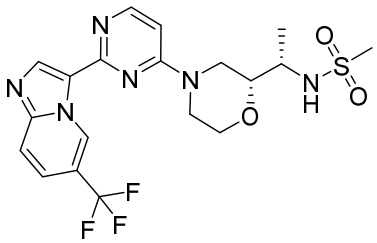
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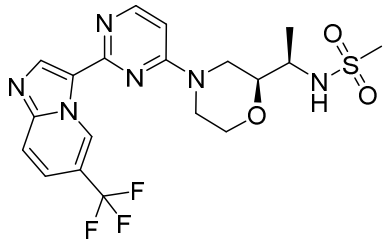
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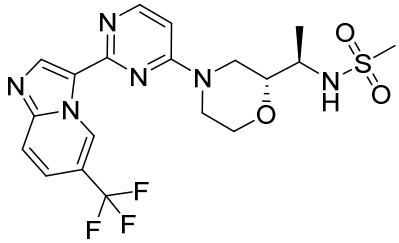
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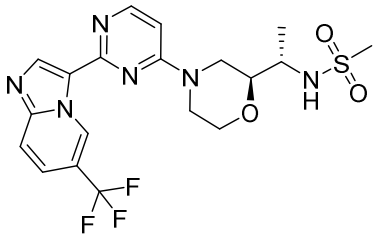
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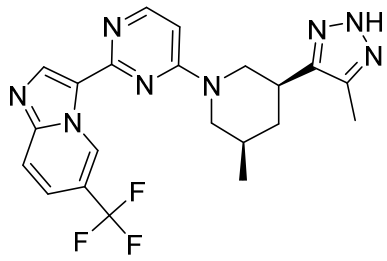
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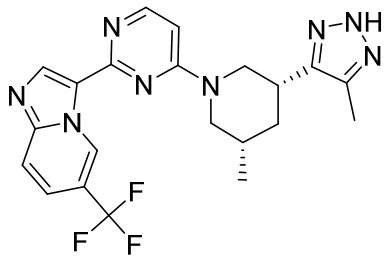
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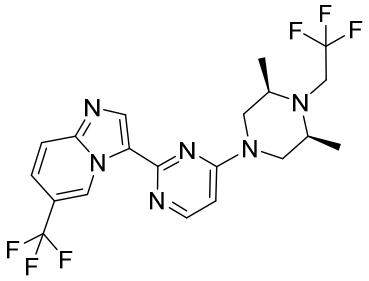
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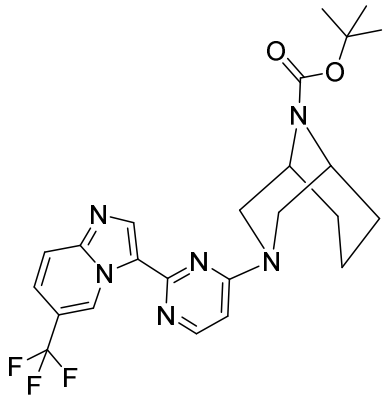
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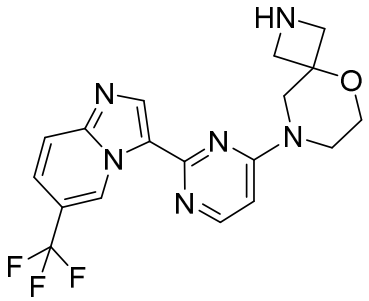
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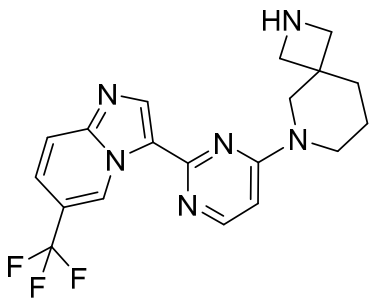
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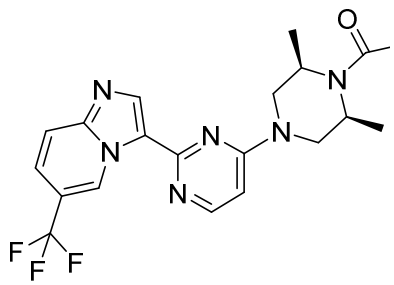
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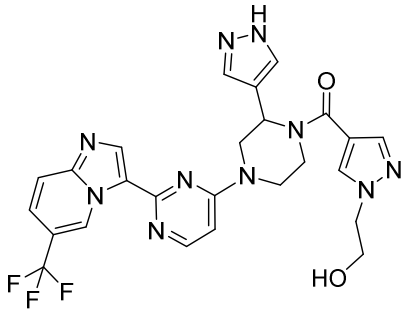
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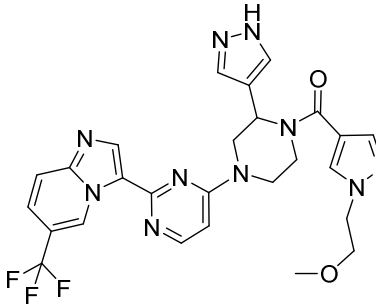
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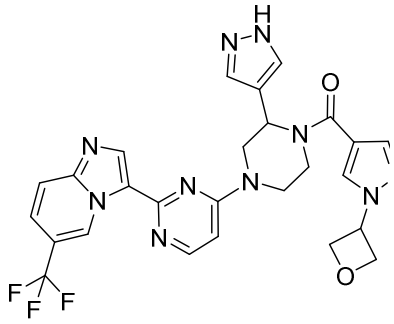
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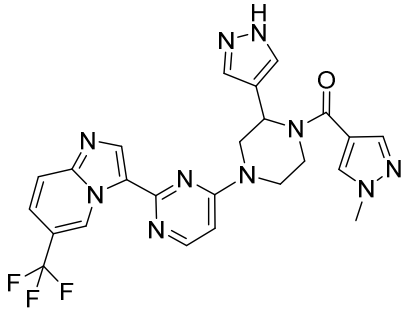
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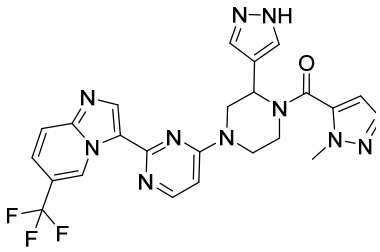
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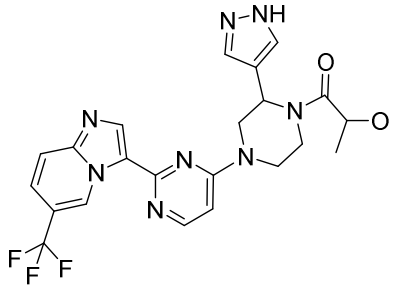
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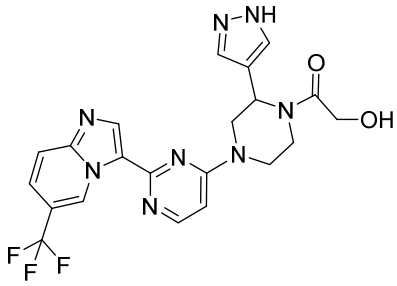
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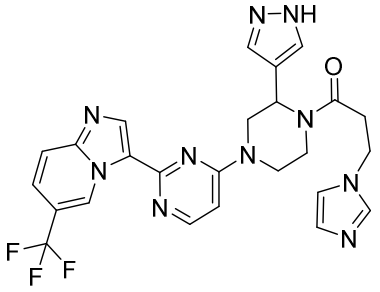
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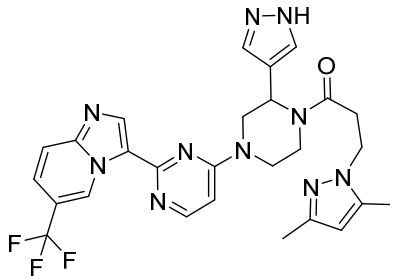
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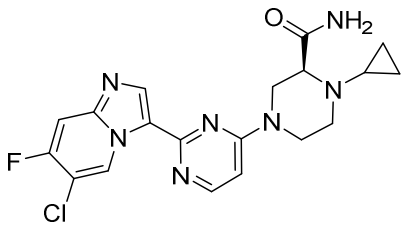
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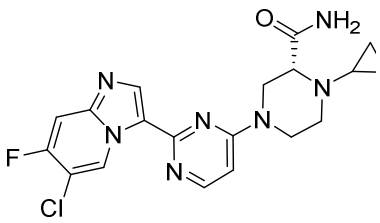
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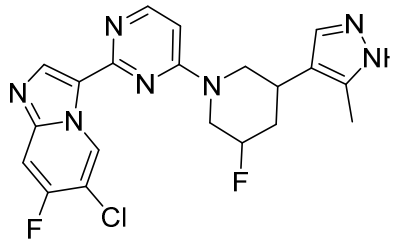
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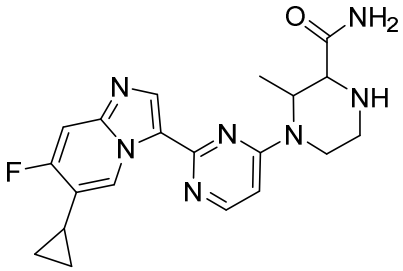
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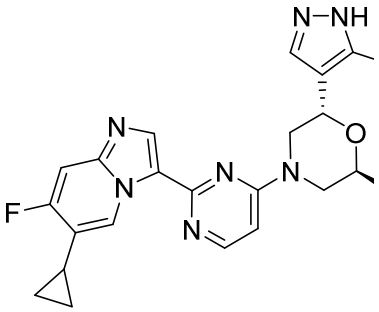
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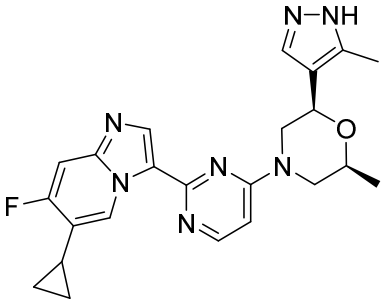
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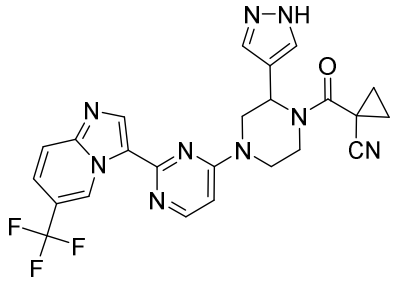
I-427



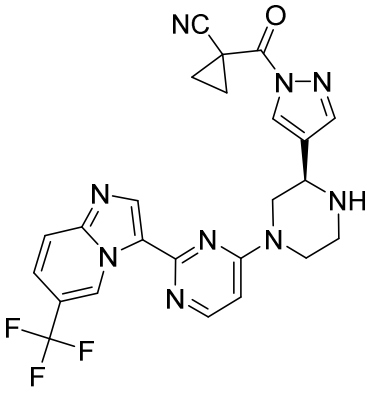
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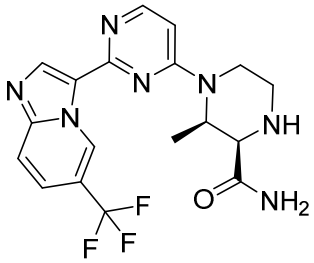
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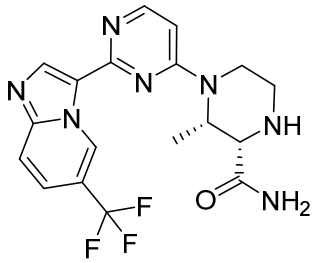
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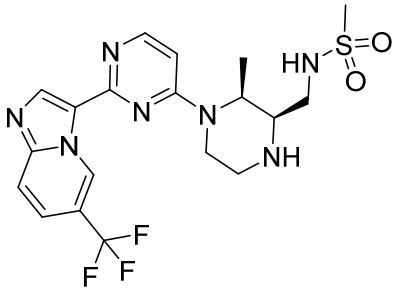
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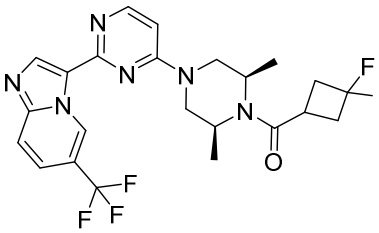
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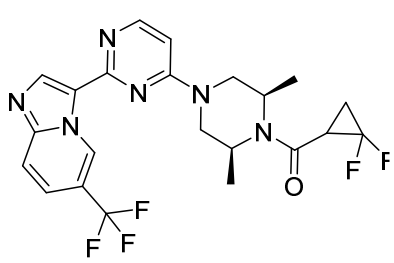
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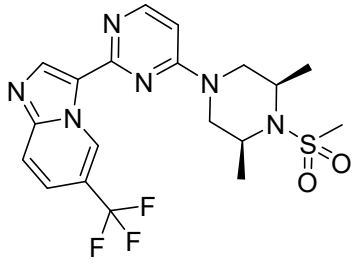
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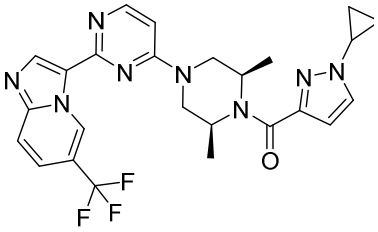
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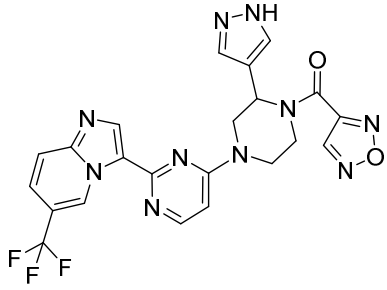
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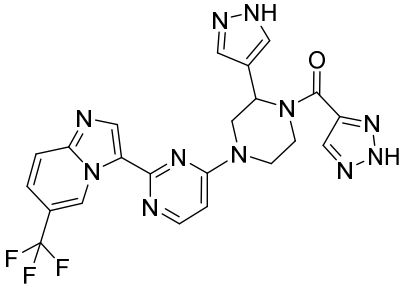
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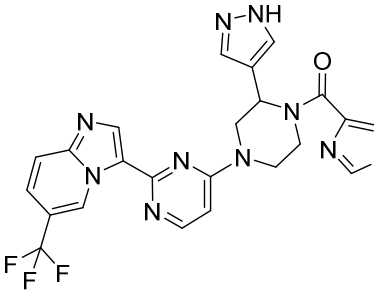
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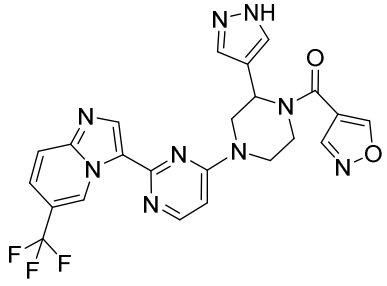
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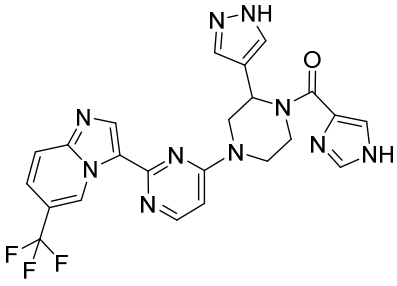
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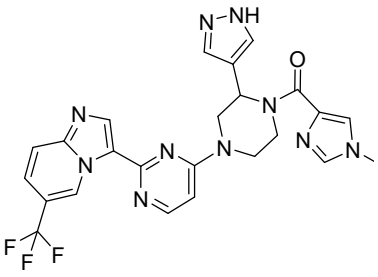
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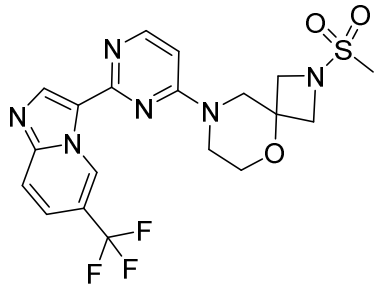
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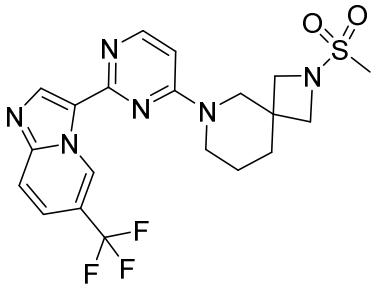
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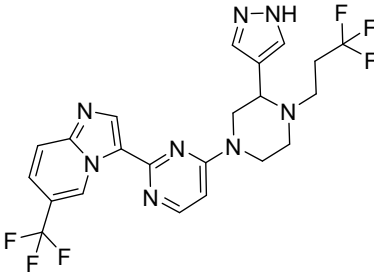
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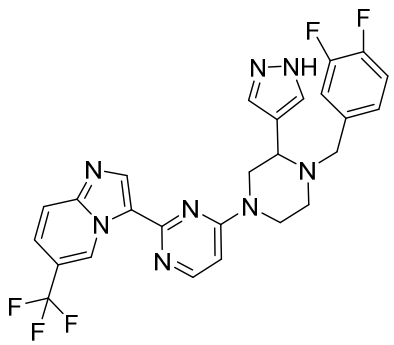
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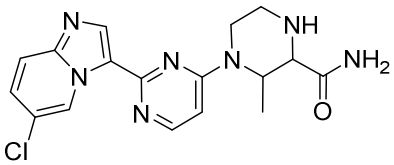
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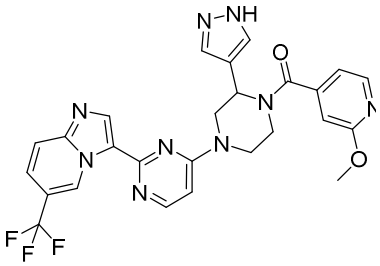
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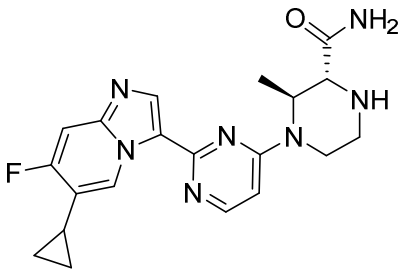
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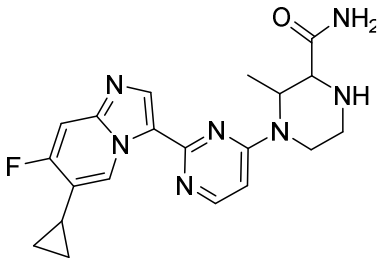
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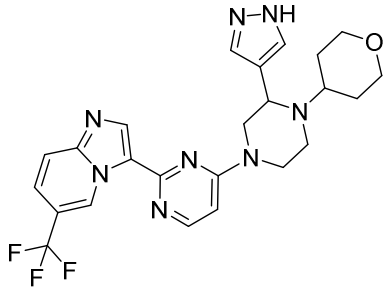
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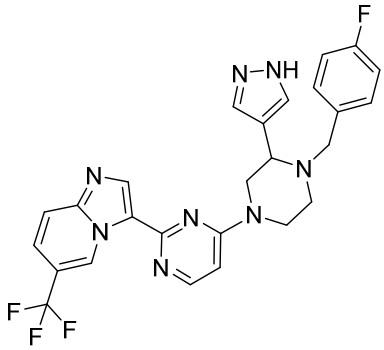
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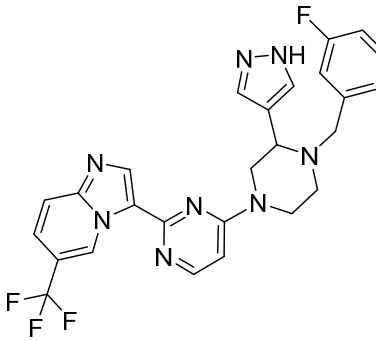
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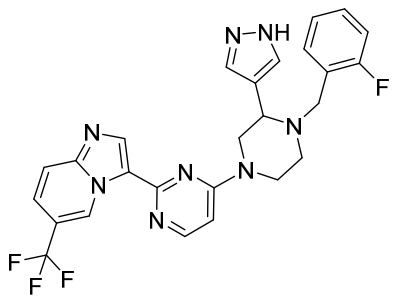
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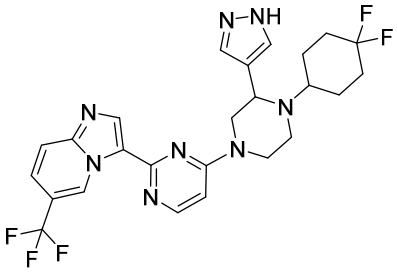
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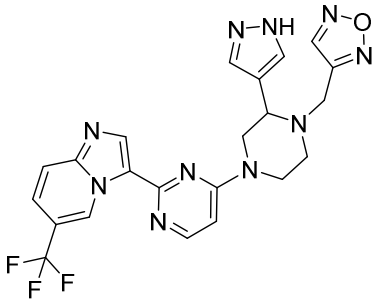
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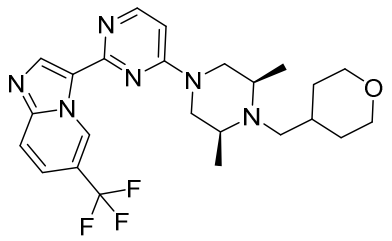
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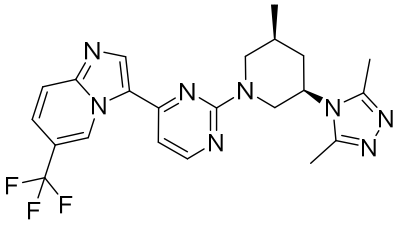
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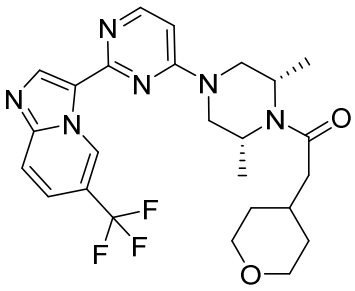
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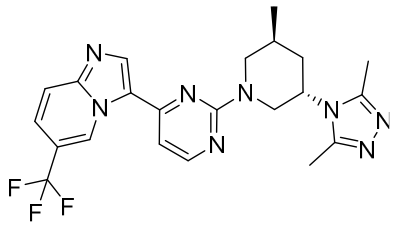
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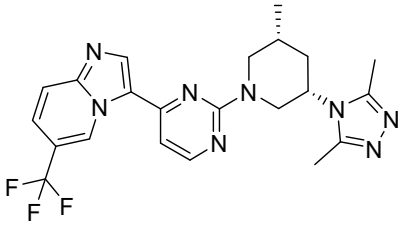
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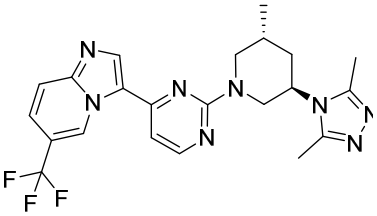
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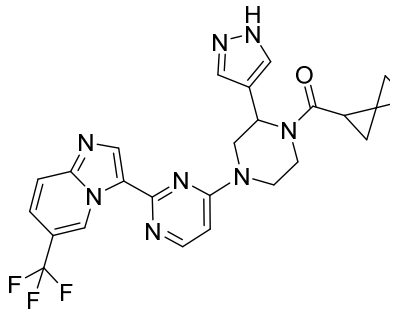
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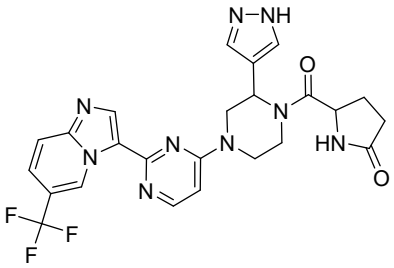
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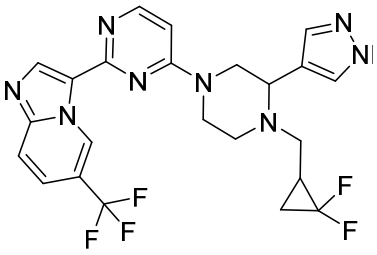
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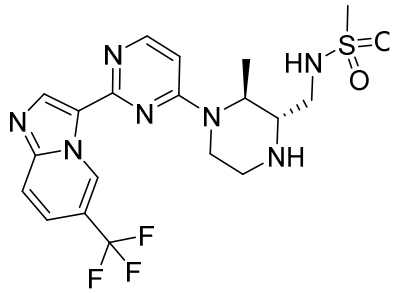
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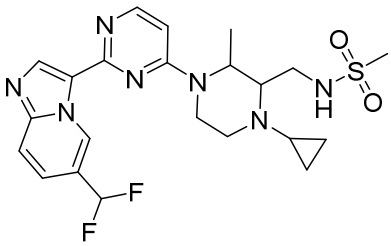
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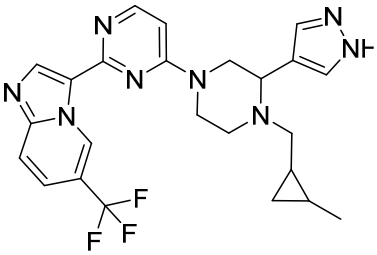
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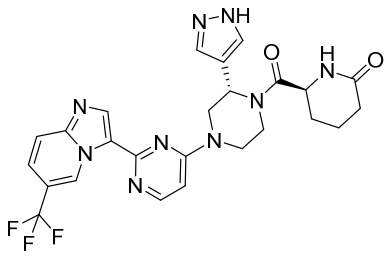
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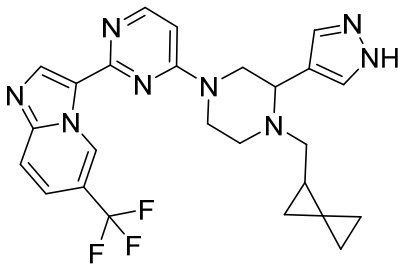
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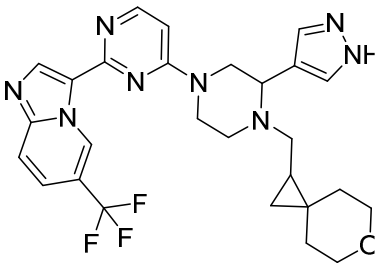
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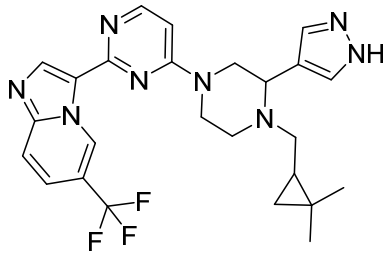
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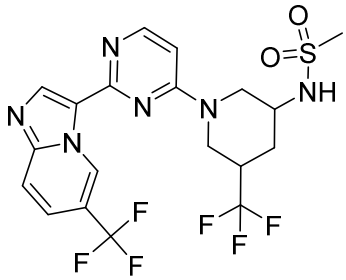
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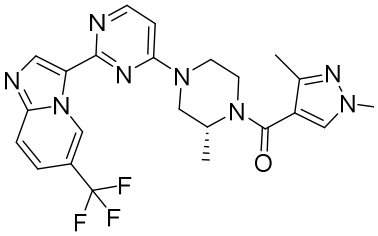
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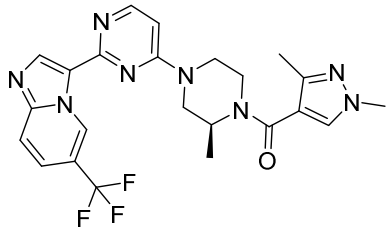
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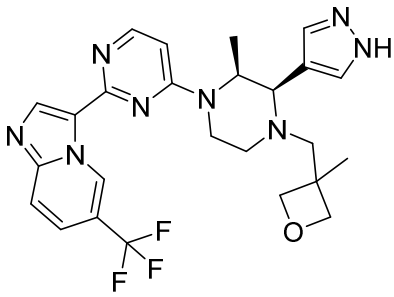
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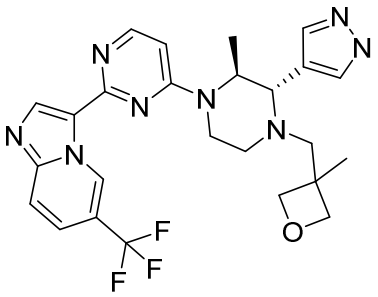
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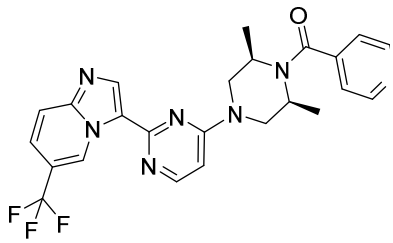
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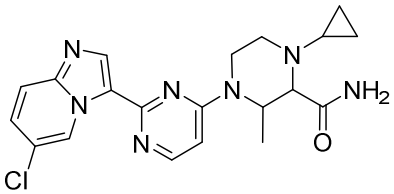
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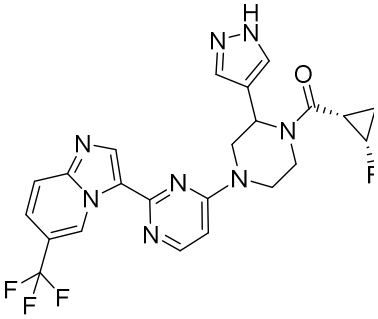
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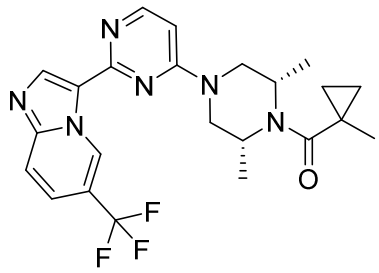
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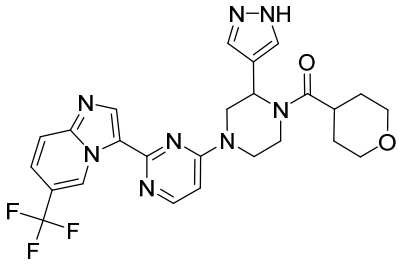
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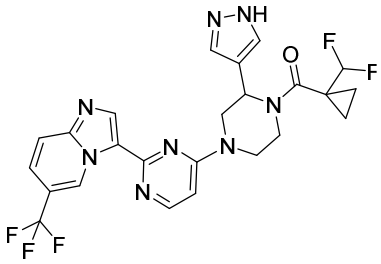
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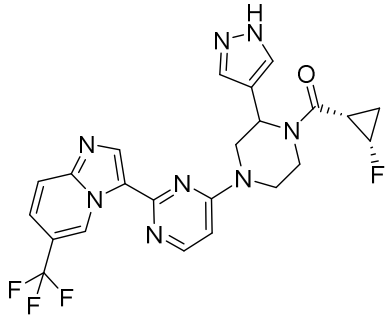
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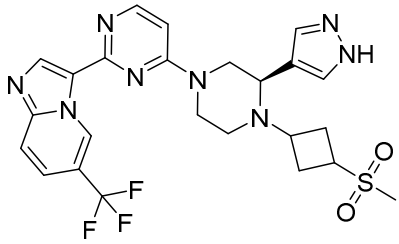
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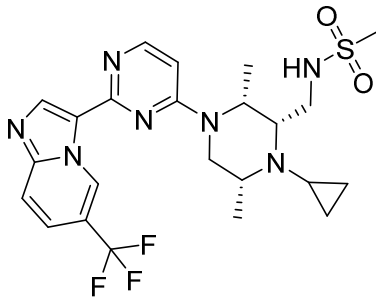
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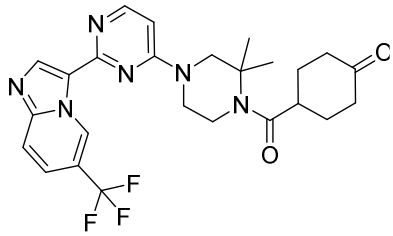
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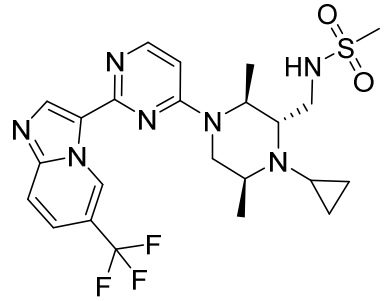
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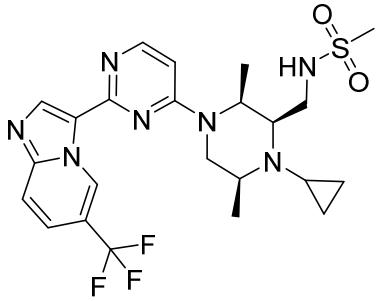
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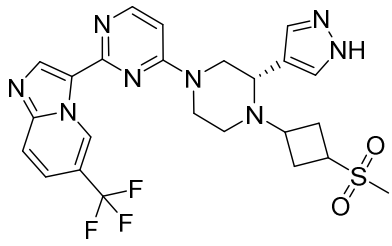
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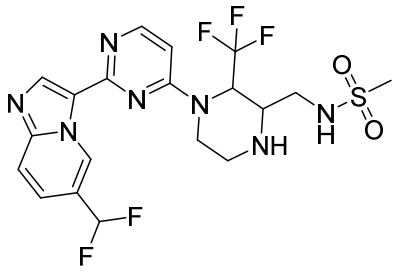
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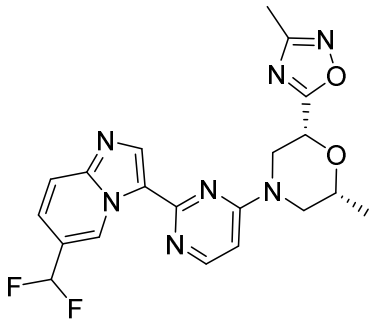
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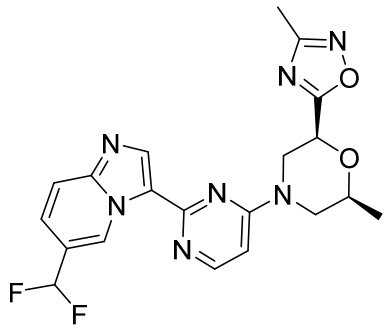
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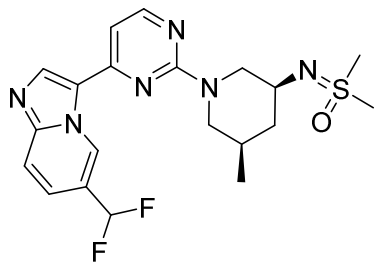
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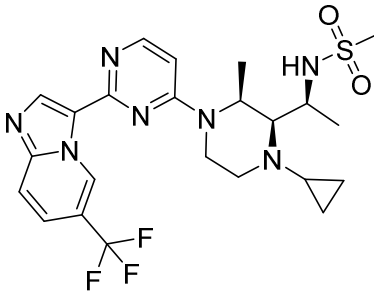
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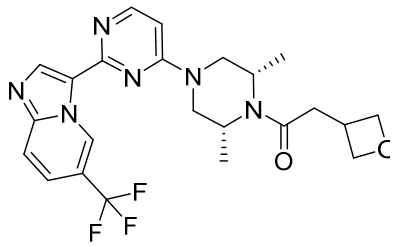
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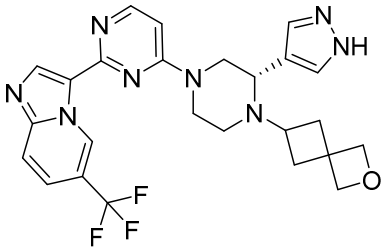
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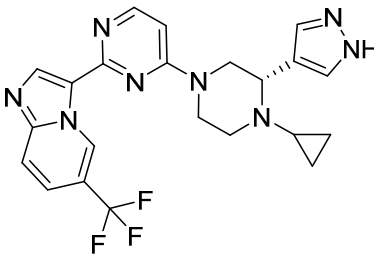
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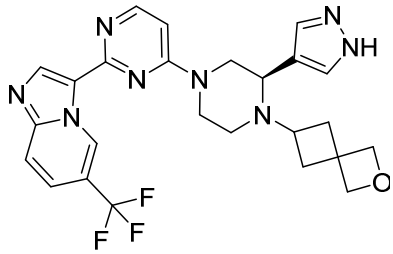
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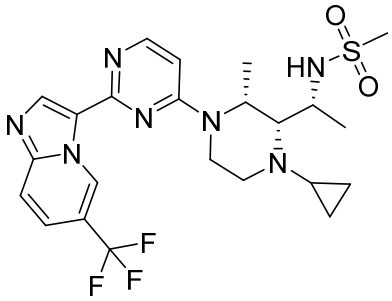
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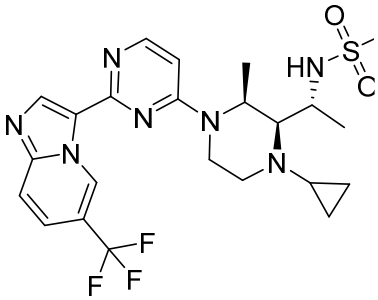
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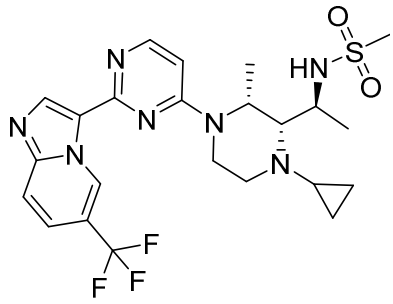
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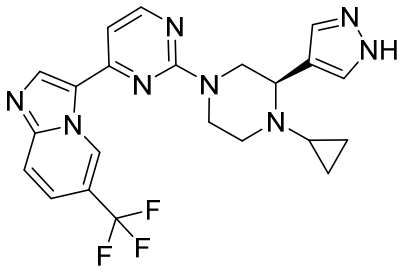
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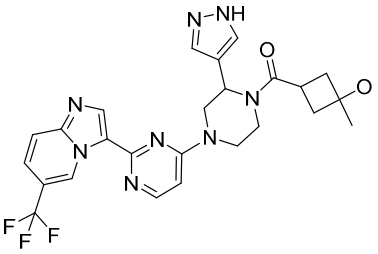
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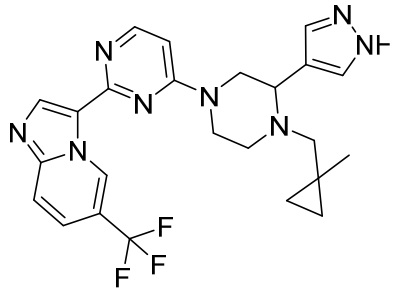
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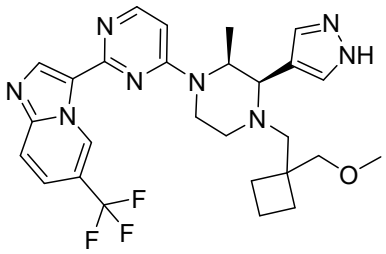
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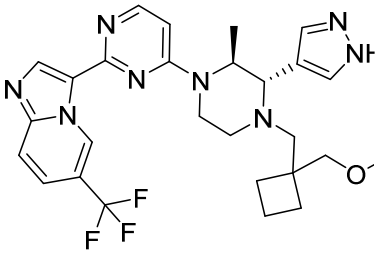
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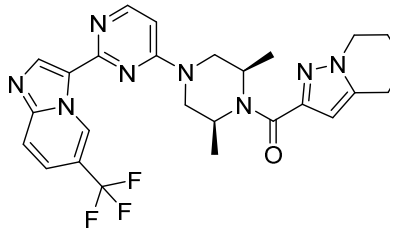
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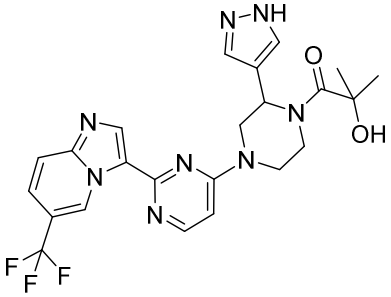
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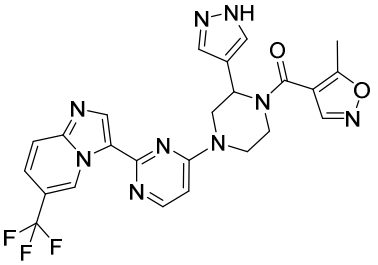
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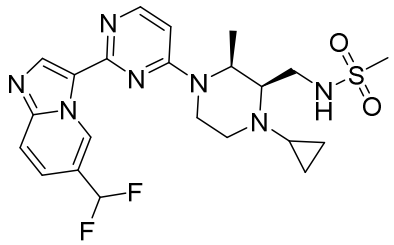
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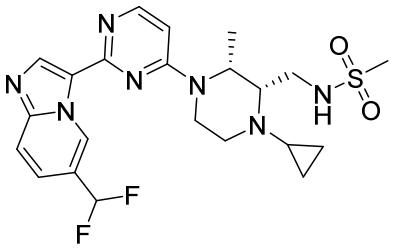
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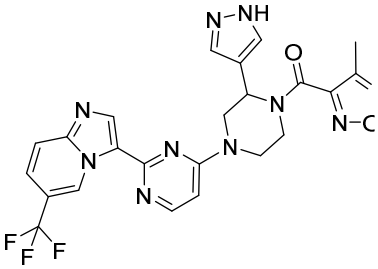
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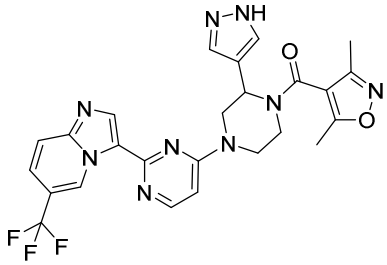
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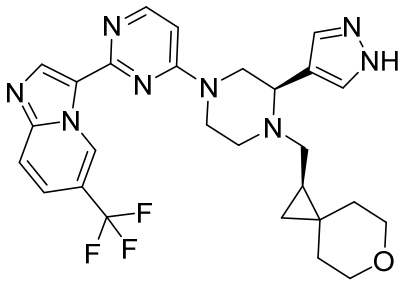
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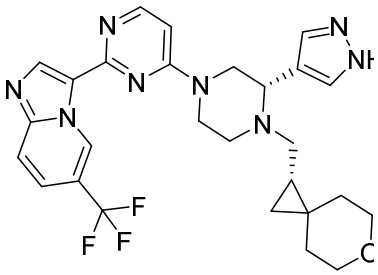
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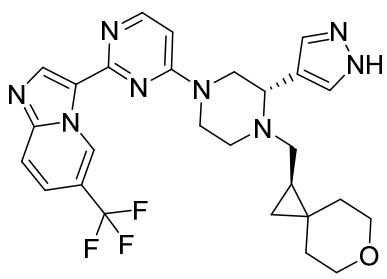
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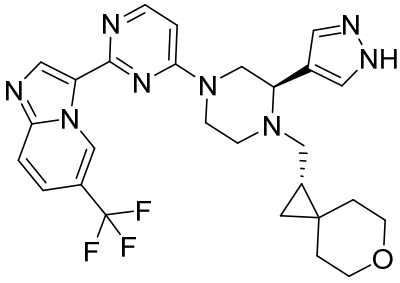
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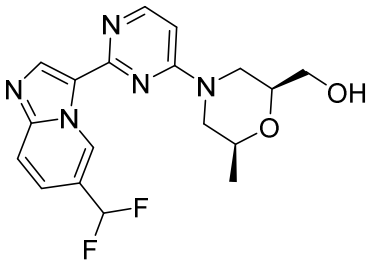
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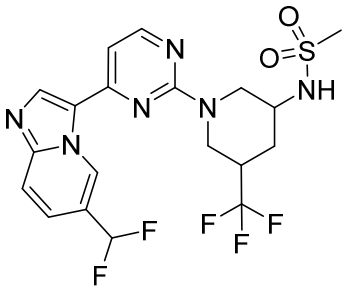
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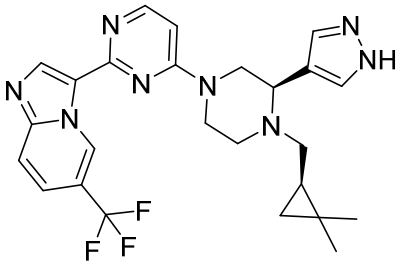
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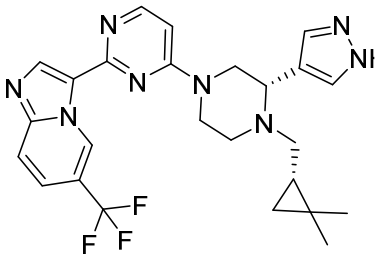
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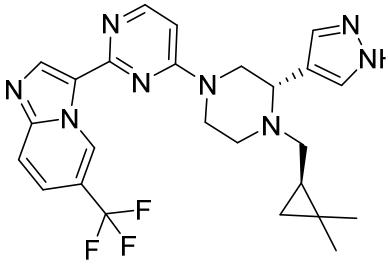
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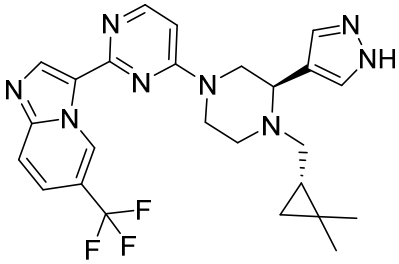
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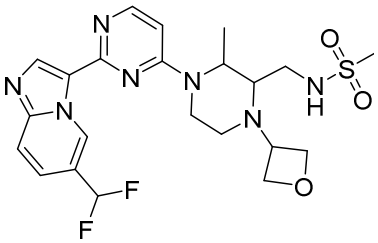
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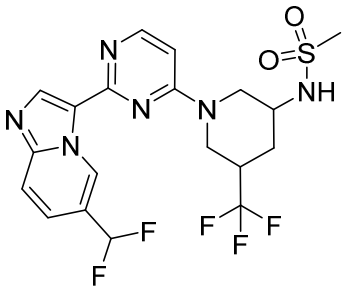
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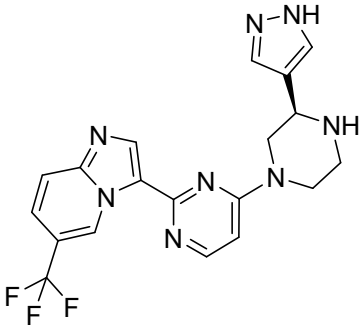
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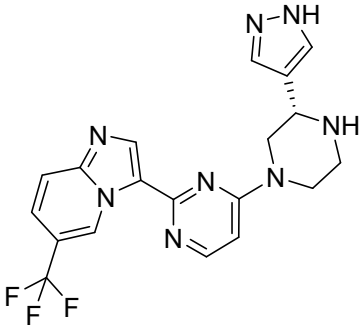
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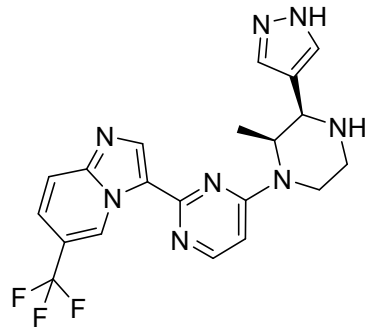
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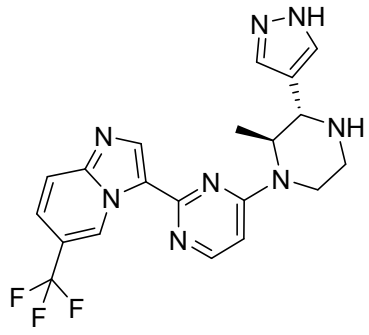
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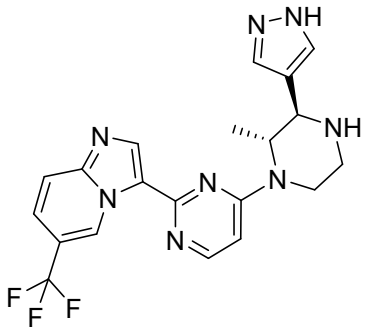
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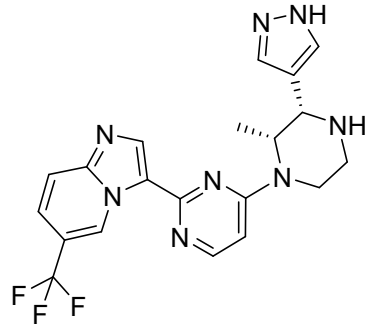
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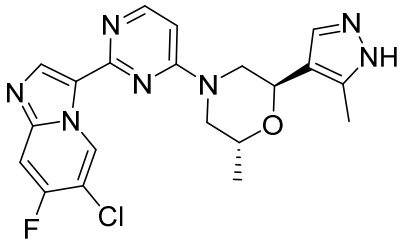
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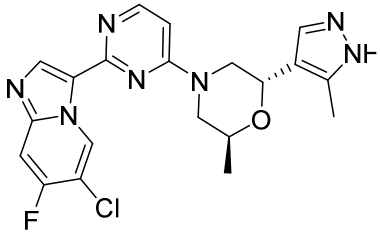
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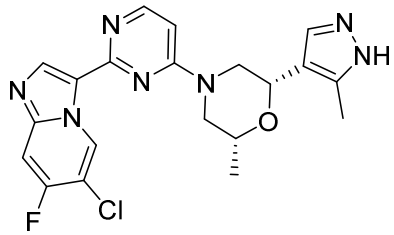
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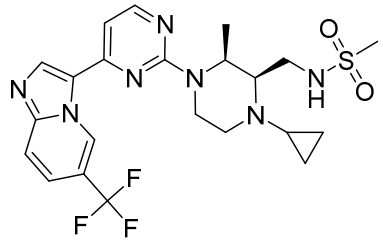
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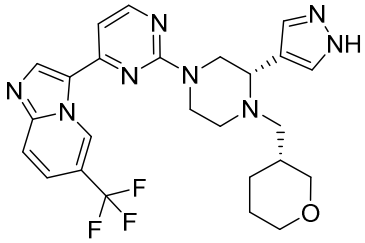
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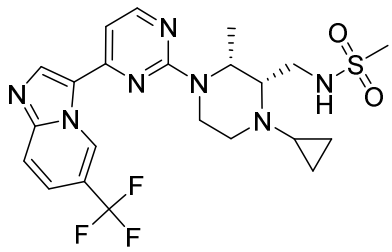
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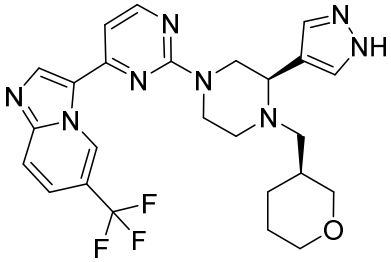
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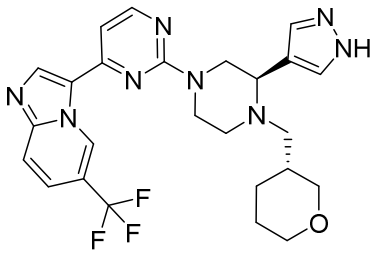
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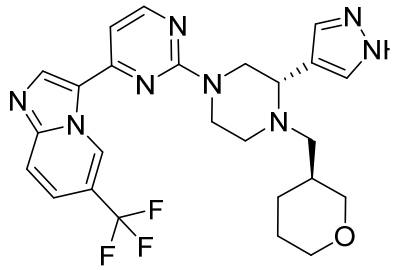
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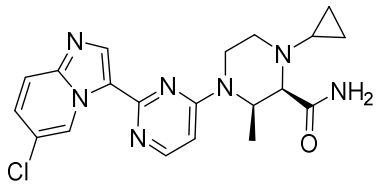
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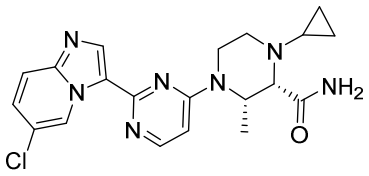
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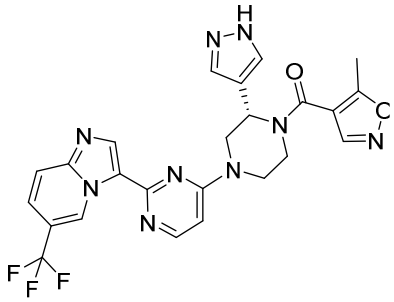
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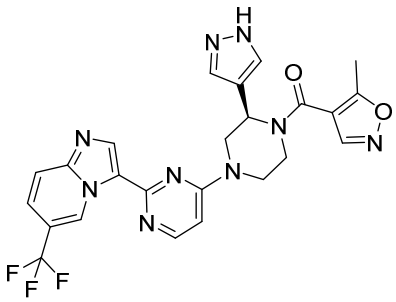
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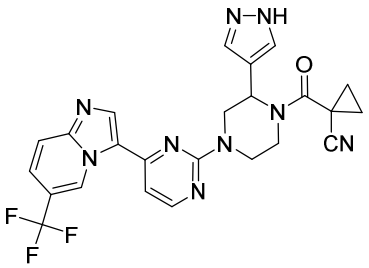
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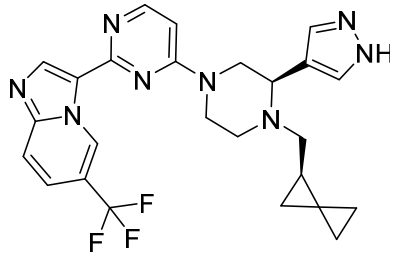
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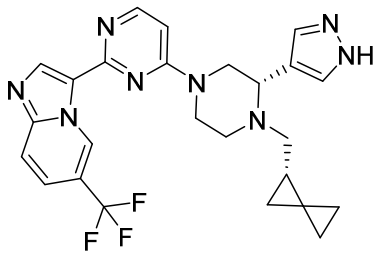
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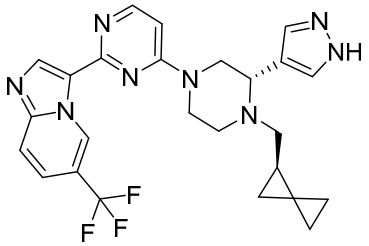
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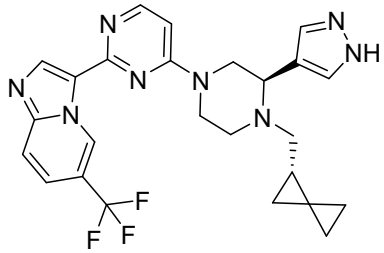
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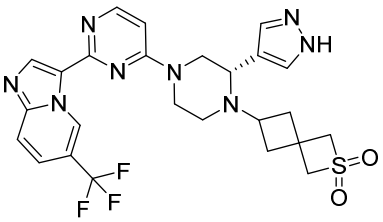
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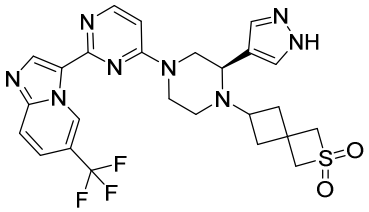
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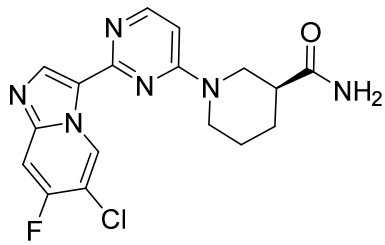
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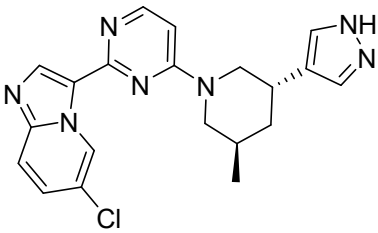
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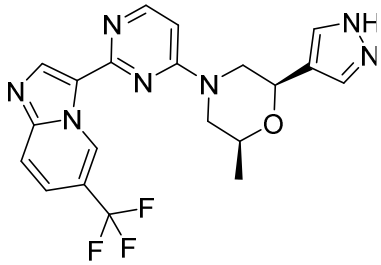
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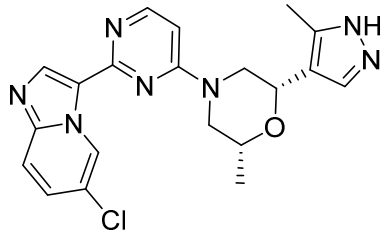
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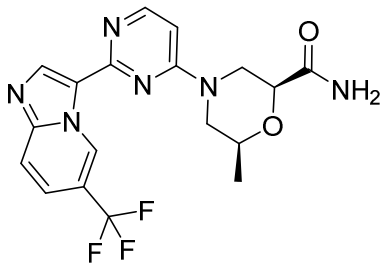
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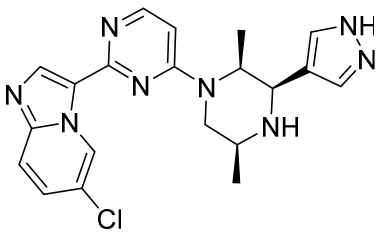
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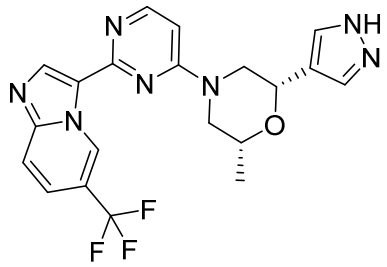
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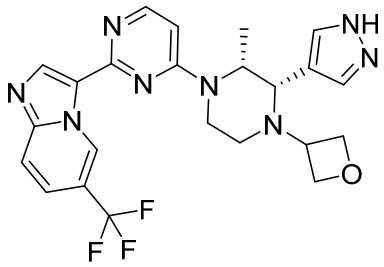
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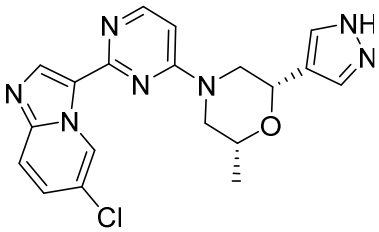
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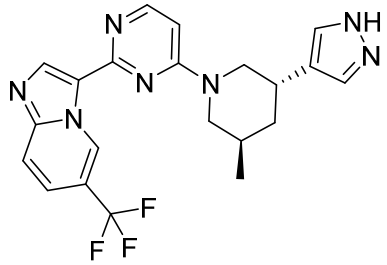
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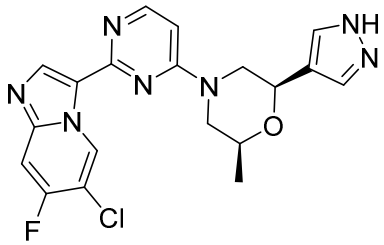
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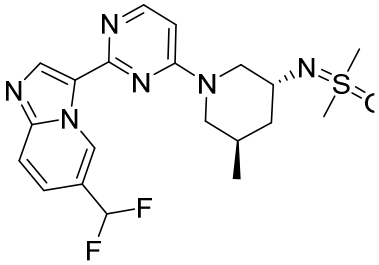
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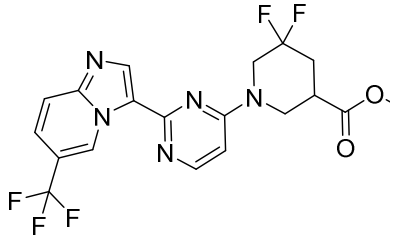
I-567



I-568



I-569



I-570

or a pharmaceutically acceptable salt thereof.

27. A pharmaceutical composition comprising a compound according to any one of claims 1 to 26, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier, adjuvant, or vehicle.

28. A method of inhibiting GCN2 in a biological sample comprising contacting said biological sample with a compound according to any one of claims 1 to 26, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition thereof.

29. A compound according to any one of claims 1 to 26, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition thereof, for use in the treatment of a disorder, disease, or condition in a patient selected from the group consisting of inflammatory conditions, immunological conditions, autoimmune conditions, allergic conditions, rheumatic conditions, thrombotic conditions, cancer, infections, neurodegenerative diseases, degenerative diseases, neuroinflammatory diseases, cardiovascular diseases, and metabolic conditions.

30. Use of the compound according to any one of claims 1 to 26, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition thereof, in the manufacture of a medicament for the treatment of a disorder, disease, or condition selected from the group consisting of inflammatory conditions, immunological conditions, autoimmune conditions, allergic conditions, rheumatic conditions, thrombotic conditions, cancer, infections, neurodegenerative diseases, degenerative diseases, neuroinflammatory diseases, cardiovascular diseases, and metabolic conditions.

31. The use of claim 30, wherein the cancer is selected the group consisting of a solid tumor, wherein the solid tumor originates from the group of tumors of the epithelium, the bladder, the stomach, the kidneys, of head and neck, the esophagus, the cervix, the thyroid, the intestine, the liver, the brain, the prostate, the uro-genital tract, the lymphatic system, the stomach, the larynx, the bones, including chondrosarcoma and Ewing sarcoma, germ cells, including embryonal tissue tumors, and/or the lung, from the group of monocytic leukemia, lung adenocarcinoma, small-cell lung carcinomas, pancreatic cancer, glioblastomas, neurofibroma, angiosarcoma, breast carcinoma and /or maligna melanoma, and a tumor of the blood and immune system.

32. The use of claim 30, wherein the autoimmune condition is rheumatoid arthritis, systemic lupus, multiple sclerosis, psoriasis, Sjögrens syndrome or transplant organ rejection.

33. The use of claim 30, wherein the metabolic condition is diabetes.

34. The use of claim 30, wherein the degenerative disease is osteoarthritis.

35. The use of claim 30, wherein the inflammatory condition is asthma, inflammatory bowel disease, or giant cell arteritis.

36. The use of claim 30, wherein the cardiovascular disease is an ischemic injury.

37. The use of claim 30, wherein the neurodegenerative disease is Alzheimer's disease, Down's syndrome, hereditary cerebral hemorrhage with amyloidosis-Dutch Type, cerebral amyloid angiopathy, Creutzfeldt-Jakob disease, frontotemporal dementias, Huntington's disease, or Parkinson's disease.

38. The use of claim 30, wherein the infection is caused by leishmania, mycobacteria, including M. leprae, M. tuberculosis and/or M. avium, plasmodium, human immunodeficiency virus, Epstein Barr virus, Herpes simplex virus, or hepatitis C virus.

39. The use of claim 30, wherein the disorder, disease, or condition is a cancer and wherein the compound is to be administered in conjunction with a second agent.