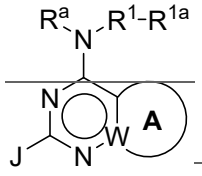
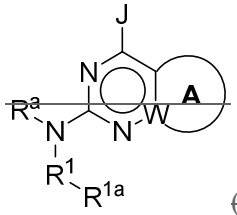
CLAIMS

What is claimed is:

1. A compound represented by formula (I) or formula (II):



(I)



(II);

or a pharmaceutically acceptable salt thereof;

wherein:

A is a fused optionally substituted aromatic ring, heteroaromatic ring, partially unsaturated cycloalkyl ring, or partially unsaturated heterocycloalkyl ring;

W is C or N;

R^a represents H or alkyl;

R^1 represents heteroarylene;

R^{1a} represents H or optionally substituted –C(O)alkyl, –C(O)aryl, –C(O)heteroaryl, –C(O)O(alkyl), –C(O)(heterocyclyl), –C(O)NR^xR^y, alkyl, cycloalkyl, heterocycloalkyl, aryl, or heteroaryl;

J represents H, halo, $–OR^2$, $–NR^2R^3$, $–C(O)NR^2R^3$, –C(O)O(alkyl), –C(O)OH, aryl, or heteroaryl, wherein aryl or heteroaryl is optionally substituted by one or more occurrences of R^{2a};

R^2 represents optionally substituted alkyl, aralkyl, heteroaralkyl, cycloalkyl, heterocycloalkyl, (cycloalkyl)alkyl, (heterocycloalkyl)alkyl, or hydroxyalkyl;

R^3 represents H or alkyl; or

R^2 and R^3, taken together, form a heterocycloalkyl ring, optionally substituted by one or more occurrences of R^{2a};

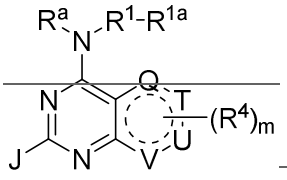
R^{2a}, independently for each occurrence, represents halo, hydroxyl, -C(O)H, oxo, $-NH_2$, $-C(O)NH_2$, -C(O)OH, $-C(O)R^5$, $-C(O)OR^5$, $-C(O)NH(R^5)$, or optionally substituted alkyl, alkoxyl, hydroxyalkyl, heteroaryl, aryl, aryloxy, heteroaryloxy, arylalkyloxy, heteroarylalkyloxy, or $-N(alkyl)_2$;

or any two germinal or vicinal occurrences of R^{2a}, taken together, may form a spiro or fused cycloalkyl ring;

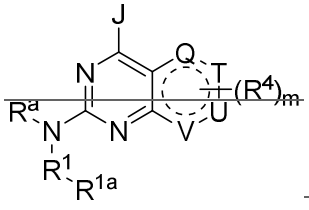
R^5, independently for each occurrence, represents optionally substituted alkyl, aralkyl, aryl, heteroaralkyl, heteroaryl, cycloalkyl, heterocycloalkyl, (cycloalkyl)alkyl, or (heterocycloalkyl)alkyl; and

R^x and R^y each independently represent H, alkyl, aralkyl, heteroaralkyl, aryl, heteroaryl, cycloalkyl, heterocycloalkyl, (cycloalkyl)alkyl, (heterocycloalkyl)alkyl, or hydroxyalkyl.

2. The compound of claim 1, wherein the compound is represented by formula (Ia) or formula (IIa):



(Ia)



(IIa);

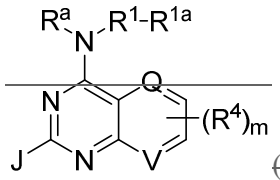
wherein:

valence permitting, Q, T, U, and V each independently represent CH, CH_2, N, NH, O, or SO_2, wherein any hydrogen of a CH, CH_2, or NH group is optionally replaced by an occurrence of R^4;

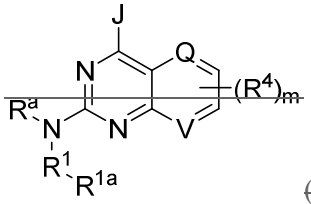
~~R^4, independently for each occurrence, represents halo, cyano, or optionally substituted alkyl, alkenyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkoxy, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocycloalkyl, heterocycloalkenyl, (heterocycloalkyl)alkyl, cycloalkyl, (cycloalkyl)alkyl, halocycloalkyl, hydroxycycloalkyl, aminocycloalkyl, aryloxy, heteroaryloxy, arylalkyloxy, heteroarylalkyloxy, $-CH_2C(O)NH_2$, $-C(O)R^5$, $-C(O)OR^5$, or $-S(O)_2R^5$;~~

~~m is an integer from 0-4, as permitted by valence.~~

~~3. The compound of claim 2, wherein the compound is represented by formula (Ib) or (IIb):~~



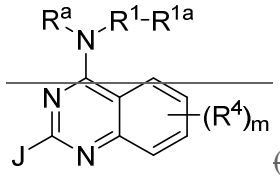
~~(Ib)~~



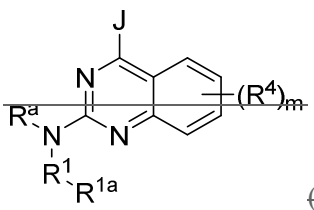
~~(IIb);~~

~~wherein Q represents CH or N; and V represents CH or N.~~

~~4. The compound of claim 2, wherein the compound is represented by formula (Ic) or (IIc):~~

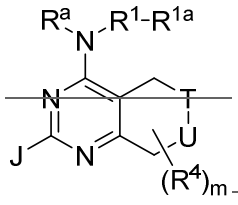


~~(Ic)~~

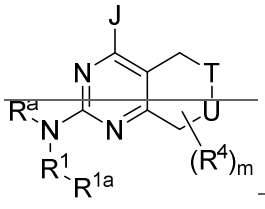


~~(IIc).~~

5. The compound of claim 2, wherein the compound is represented by formula (Id) or (IId):



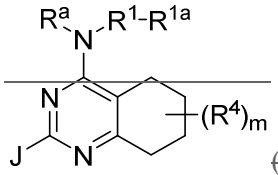
(Id)



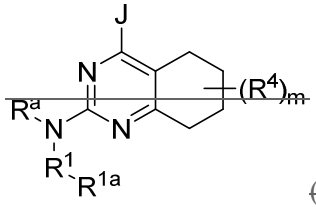
(IId);

wherein T represents CH_2, NH, O, or SO_2; and U represents CH_2, NH, O, or SO_2.

6. The compound of claim 2, wherein the compound is represented by formula (Ie) or (IIe):



(Ie)



(IIe).

7. The compound of claim 3, wherein Q is N; and V is CH.

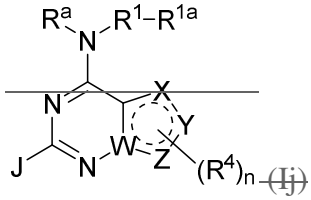
8. The compound of claim 3, wherein Q is CH; and V is N.

9. The compound of claim 5, wherein T is NH; and U is CH_2.

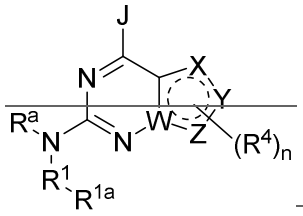
10. The compound of claim 5, wherein T is CH_2; and U is NH.

11. The compound of any one of claims 2-10, wherein m is 0 or 1.

12. The compound of claim 1, wherein the compound is represented by formula (Ij) or formula (IIj):



(Ij)



(IIj);

wherein:

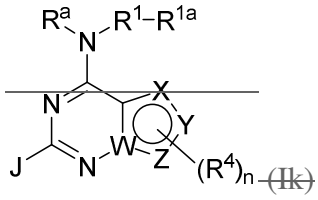
W is C or N;

valence permitting, X, Y, and Z each independently represent CH, CH_2, CO, N, NH, O, S, or SO_2, wherein any hydrogen of a CH, CH_2, or NH group is optionally replaced by an occurrence of R^4;

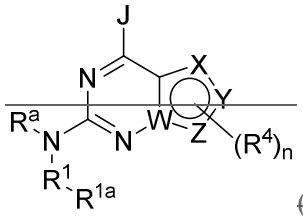
R^4, independently for each occurrence, represents cyano, halo, or optionally substituted alkyl, alkenyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkoxy, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocycloalkyl, heterocycloalkenyl, (heterocycloalkyl)alkyl, cycloalkyl, (cycloalkyl)alkyl, halocycloalkyl, hydroxycycloalkyl, aminocycloalkyl, aryloxy, heteroaryloxy, arylalkyloxy, heteroarylalkyloxy, $-CH_2C(O)NH_2$, $-C(O)R^5$, $-C(O)OR^5$, or $-S(O)_2R^5$;

n is an integer from 0-4, as permitted by valence.

13. The compound of claim 12, wherein the compound is represented by formula (Ik) or (IIk):



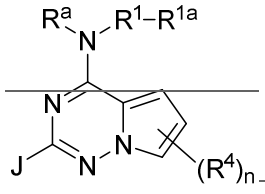
(Ik)



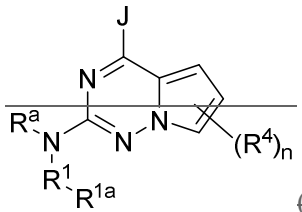
(IIk);

wherein X, Y, and Z each independently represent CH, N, NH, O, S, or SO_2.

14. The compound of claim 13, wherein the compound is represented by formula (Ik') or (IIk'):

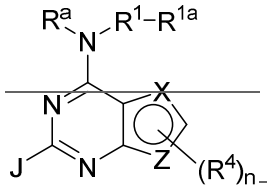


(Ik')

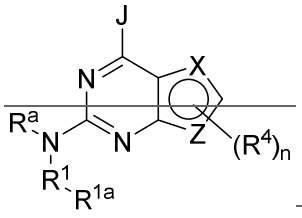


(IIk').

15. The compound of claim 13, wherein the compound is represented by formula (Ik") or (IIk"):



(Ik")



(IIk");

wherein at least one of X and Z is selected from the group consisting of O, N, NH, and S.

16. The compound of claim 15, wherein one of X and Z is selected from the group consisting of O, NH, and S; and the other of X and Z is CH.

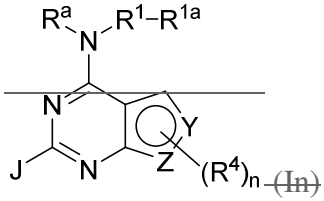
17. The compound of claim 15 or 16, wherein X is selected from the group consisting of O, NH, and S.

18. The compound of claim 15 or 16, wherein Z is selected from the group consisting of O, NH, and S.

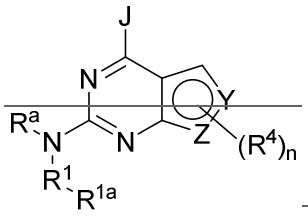
19. The compound of claim 15, wherein each of X and Z are selected from the group consisting of O, N, NH, and S.

20. The compound of claim 19, wherein one of X and Z is N and the other of X and Z is NH.

21. The compound of claim 13, wherein the compound is represented by formula (In) or (IIn):



(In)

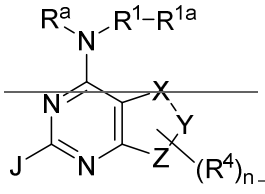


(IIn)

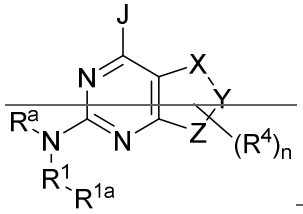
wherein each of Y and Z are selected from the group consisting of O, N, NH, and S.

22. The compound of claim 21, wherein Y is N and Z is NH.

23. The compound of claim 12, wherein the compound is represented by formula (Im) or (IIm):



(Im)



(IIm);

wherein X, Y, and Z each independently represent CH_2, CO, NH, O, S, or SO_2.

24. The compound of claim 23, wherein each of X, Y, and Z is CH_2.

25. The compound of claim 23, wherein one of X, Y, and Z is N or O.

26. The compound of any one of claims 12-25, wherein n is 0 or 1.

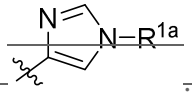
27. The compound of any one of claims 1-26, wherein R^4, if present, is selected from the group consisting of optionally substituted alkyl, hydroxyalkyl, aminoalkyl, alkoxy, aryl, aralkyl, and (heterocycloalkyl)alkyl.

28. The compound of any one of claims 1-27, wherein R^a is H.

29. The compound of any one of claims 1-28, wherein R^1 is a nitrogen-containing heteroarylene.

30. The compound of any one of claims 1-29, wherein R^1 is a 5-membered nitrogen-containing heteroarylene.

31. The compound of any one of claims 1-30, wherein R^1 is imidazolene.

32. The compound of any one of claims 1-31, wherein R^1-R^{1a} represents  .

33. The compound of any one of claims 1-32, wherein R^{1a} is H.

34. The compound of any one of claims 1-32, wherein R^{1a} is optionally substituted phenyl.

35. The compound of any one of claims 1-32, wherein R^{1a} is phenyl, substituted by one or more occurrences of halo, hydroxyl, cyano, -C(O)NH_2, hydroxyalkyl, haloalkyl, alkoxy, haloalkoxy, cycloalkyl, -C(O)alkyl, -C(O)O-alkyl, heterocycloalkyl, -C(O)NH(alkyl), -C(O)N(alkyl)$_2$, -C(O)heterocycloalkyl, -C(O)(prolinol), -C(O)NH((cycloalkyl)alkyl), or -C(O)NH(cycloalkyl).

36. The compound of any one of claims 1-32, wherein R^{1a} is phenyl, substituted by two or more occurrences of alkoxy.

37. The compound of claim 36, wherein R^{1a} is 3,4,5-trimethoxyphenyl.

38. The compound of any one of claims 1-32, wherein R^{1a} is substituted phenyl, wherein two adjacent substituents on the phenyl, taken together with the intervening atoms, form an optionally substituted cycloalkyl or heterocycloalkyl ring.

39. The compound of any one of claims 1-32, wherein R^{1a} is optionally substituted heteroaryl, such as quinoline.

40. The compound of any one of claims 1-39, wherein J is aryl, optionally substituted by one or more occurrences of R^{2a}.

41. The compound of any one of claims 1-39, wherein J is $-NR^2R^3$.

42. The compound of claim 41, wherein R^2 and R^3, taken together, form a heterocycloalkyl ring, optionally substituted by one or more occurrences of R^{2a}.

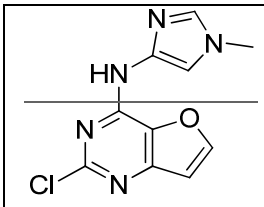
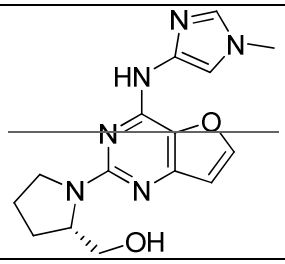
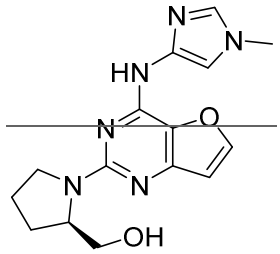
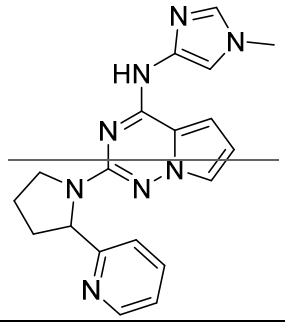
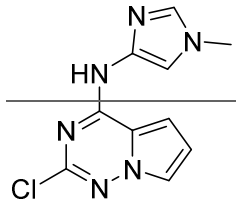
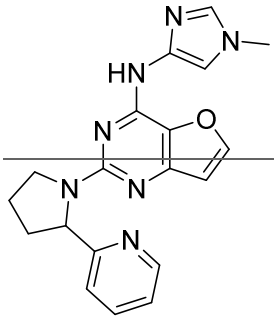
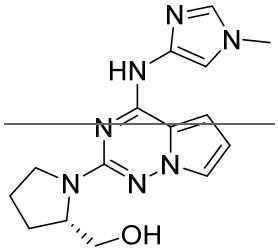
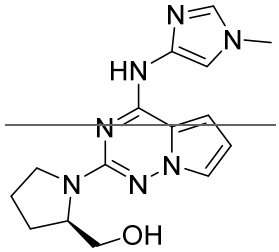
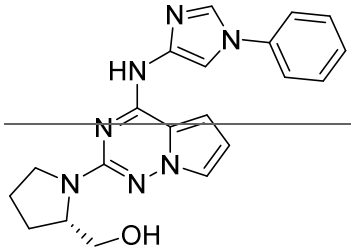
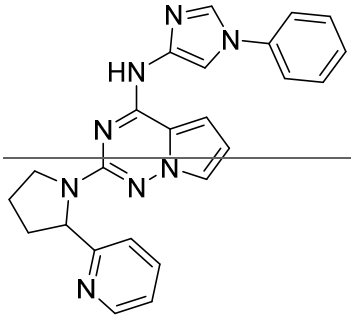
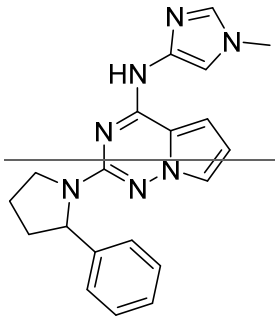
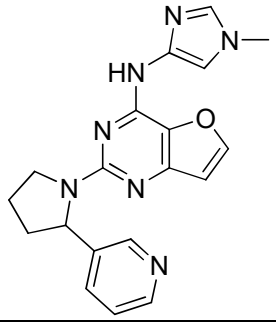
43. The compound of claim 42, wherein R^2 and R^3, taken together, form a pyrrolidine ring, optionally substituted by one or more occurrences of R^{2a}.

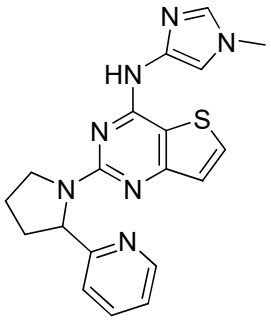
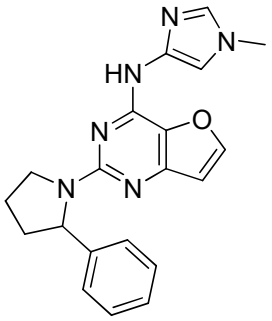
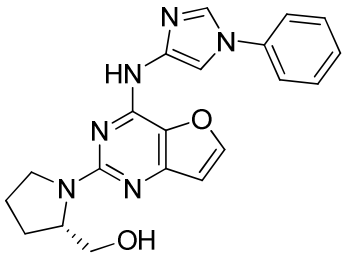
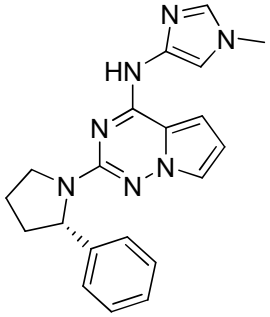
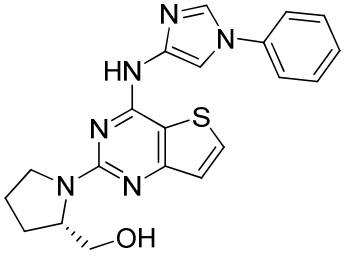
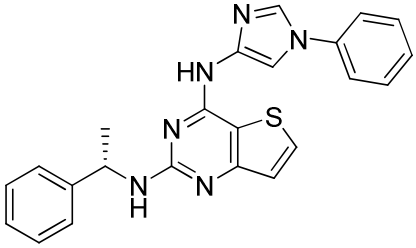
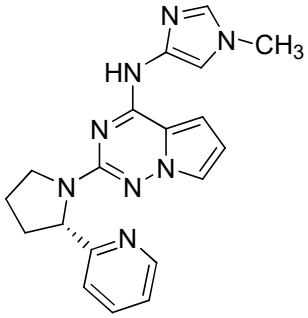
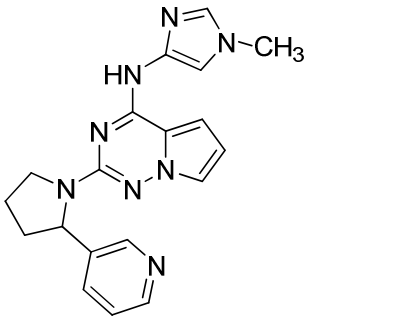
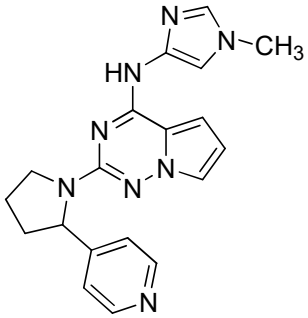
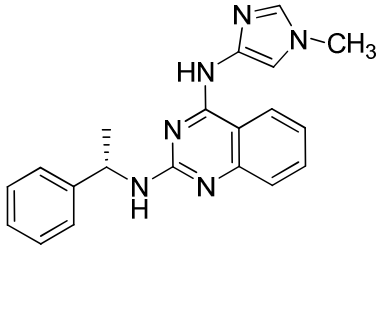
44. The compound of any one of claims 40-43, wherein R^{2a}, independently for each occurrence, represents -C(O)NH_2, -C(O)R^5, hydroxyalkyl, heteroaryl, or aryl.

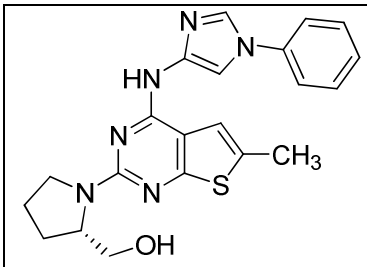
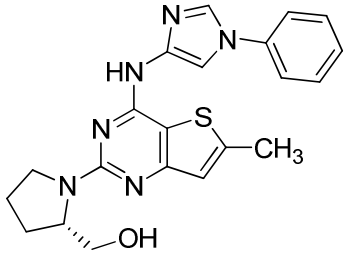
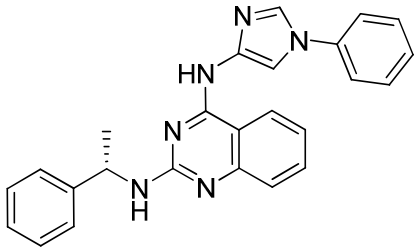
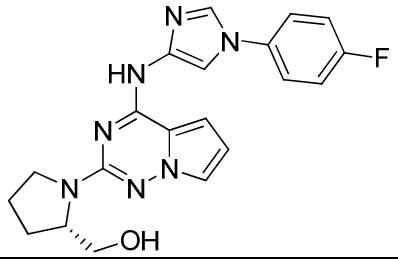
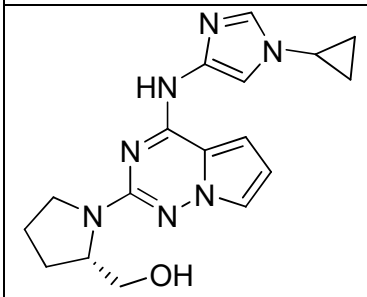
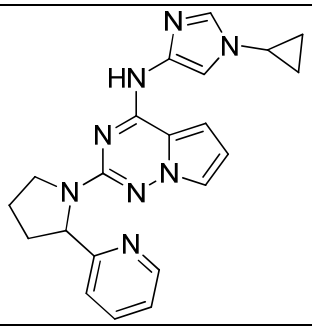
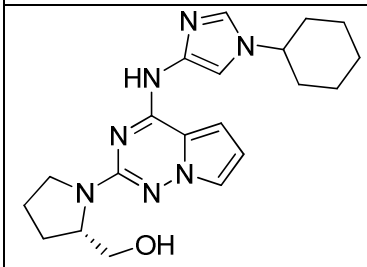
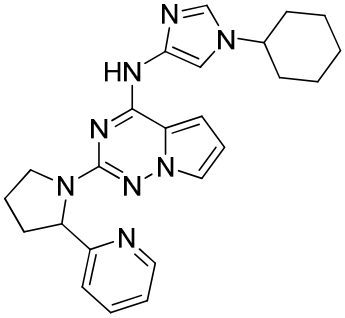
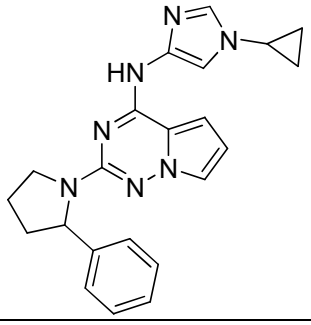
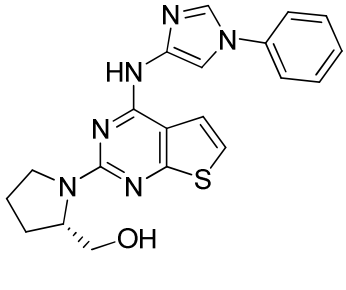
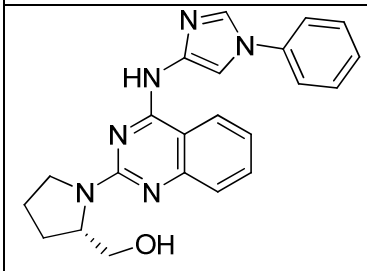
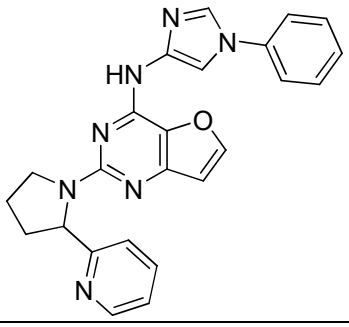
45. The compound of any one of claims 40-44, wherein R^{2a} is -C(O)NH_2.

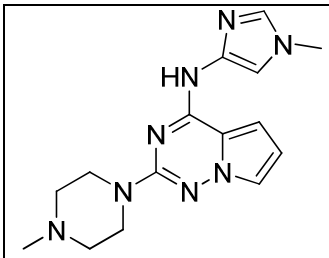
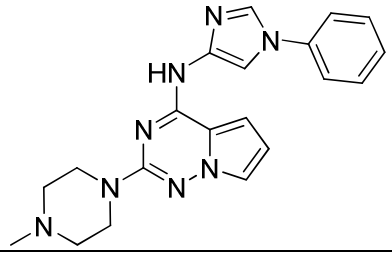
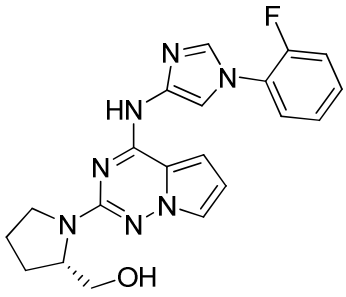
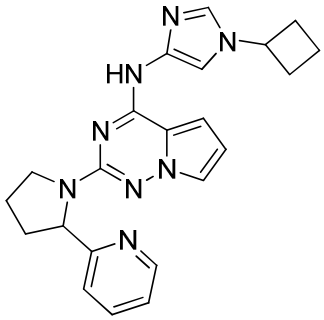
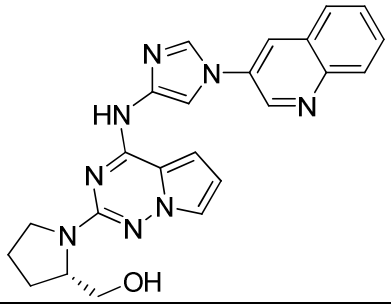
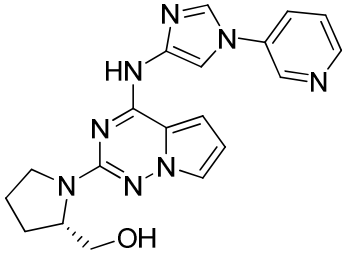
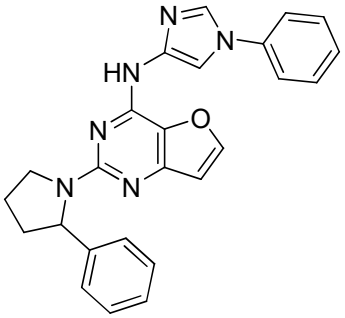
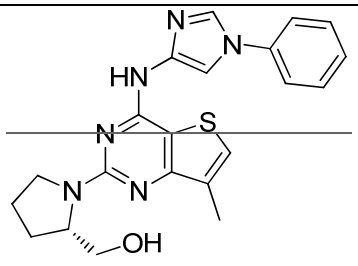
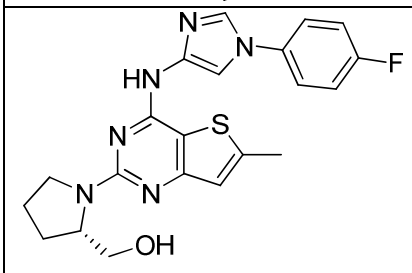
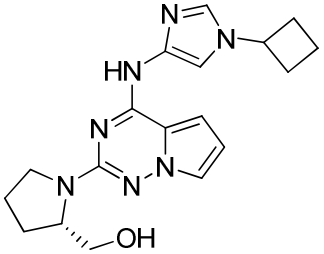
46. The compound of any one of claims 40-44, wherein R^{2a} is hydroxyalkyl.

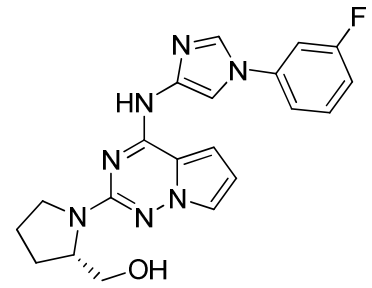
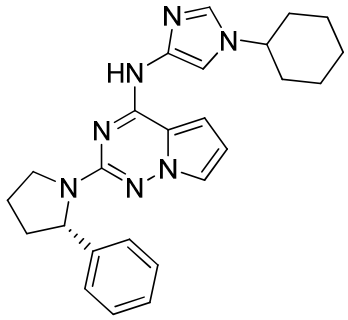
47. The compound of claim 1, selected from the following table:

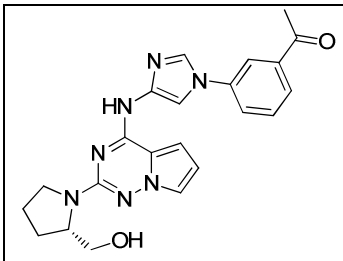
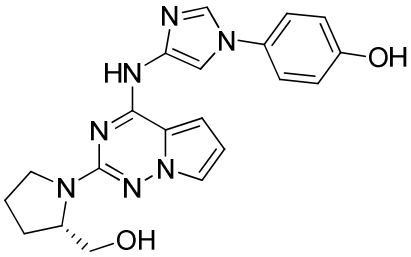
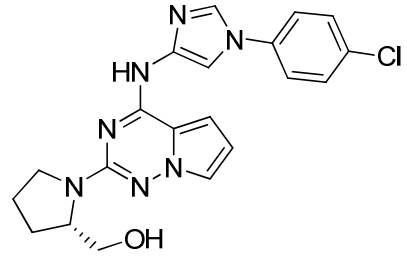
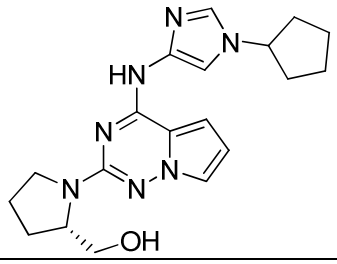
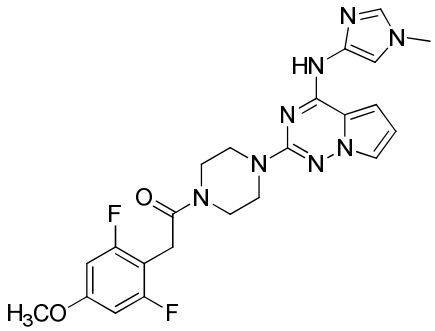
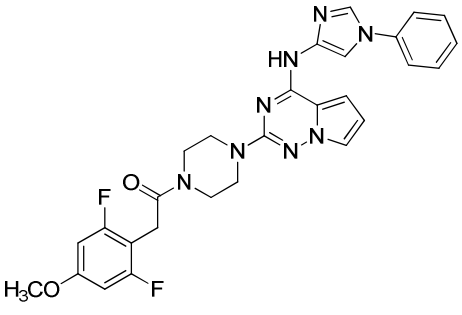
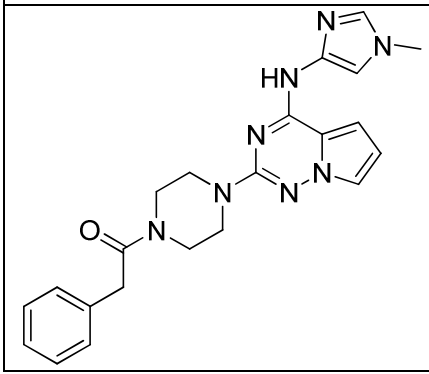
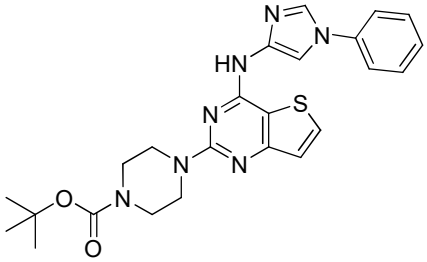
	
	
	
	
	

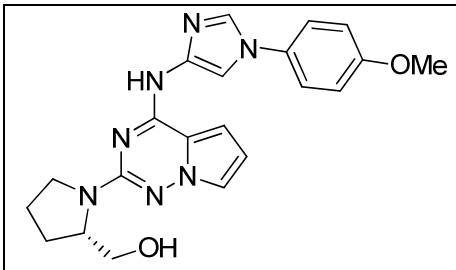
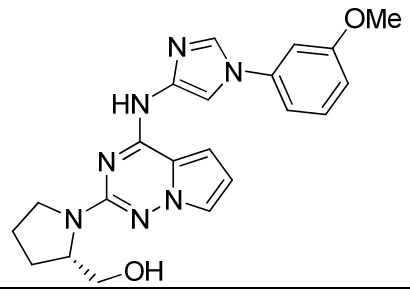
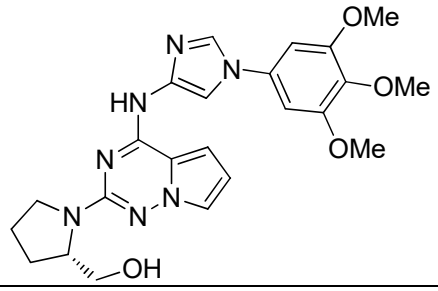
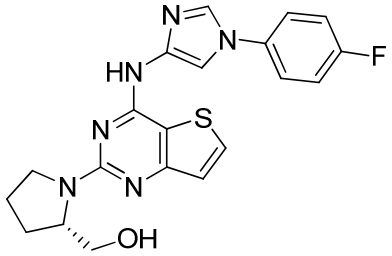
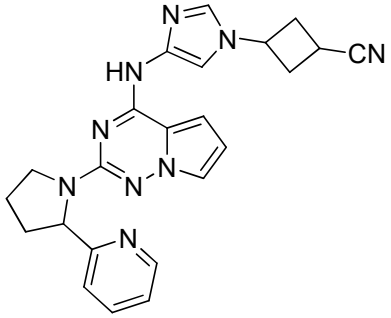
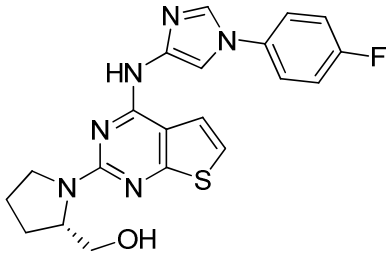
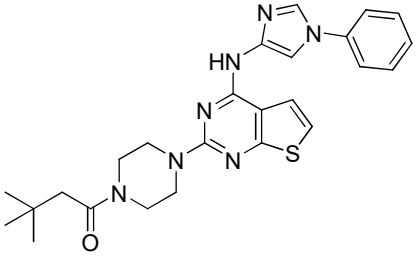
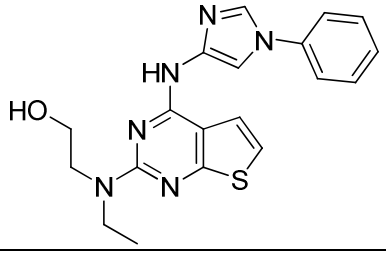
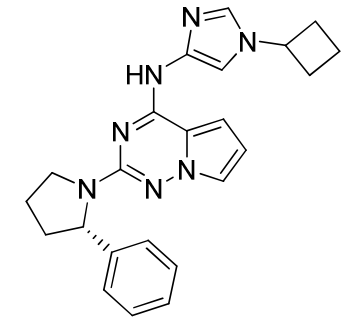
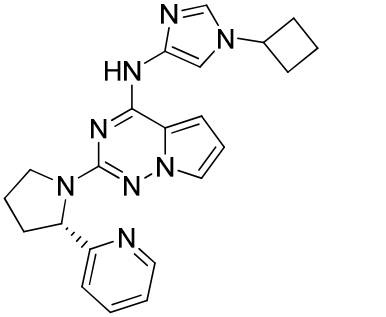
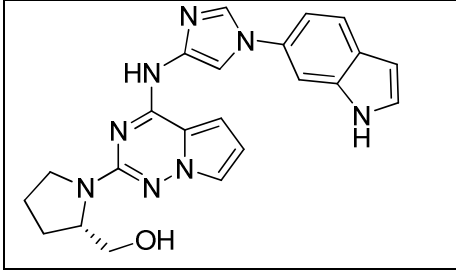
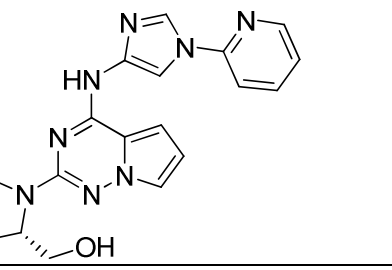
	
	
	
	
	
	

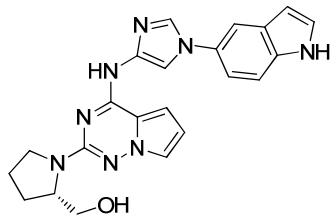
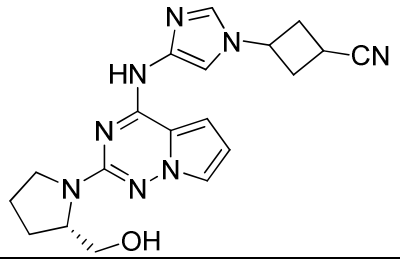
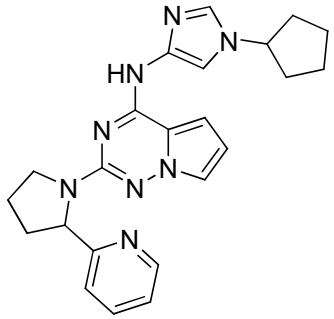
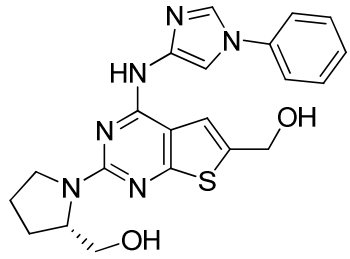
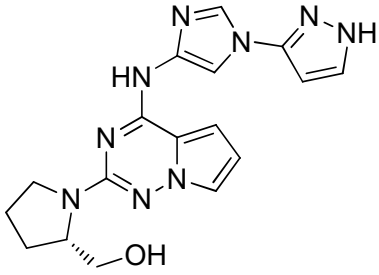
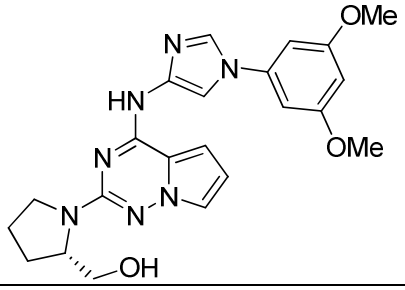
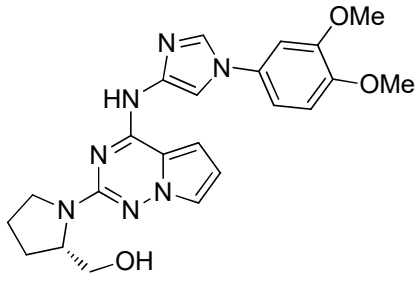
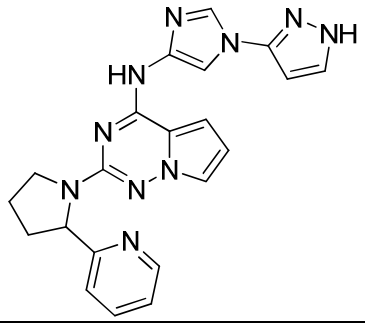
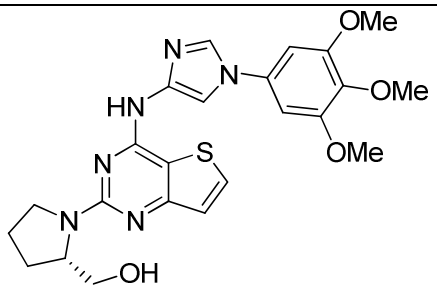
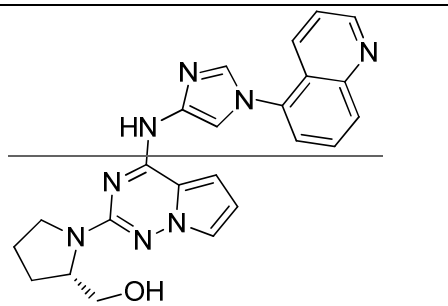
	
	
	
	
	

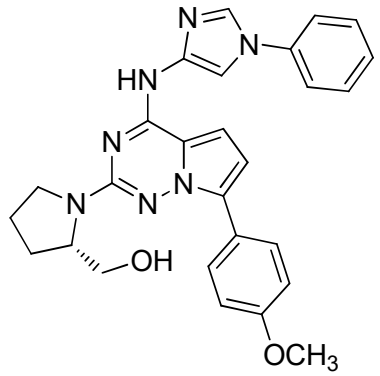
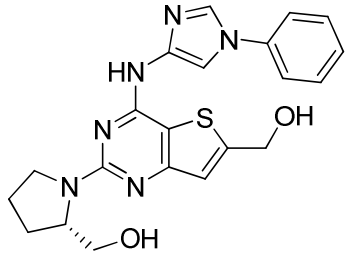
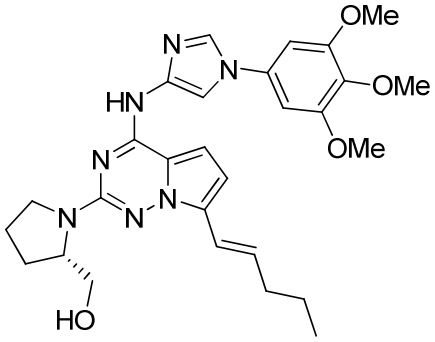
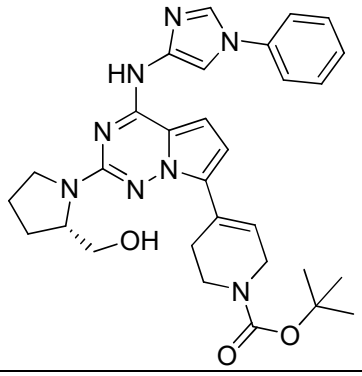
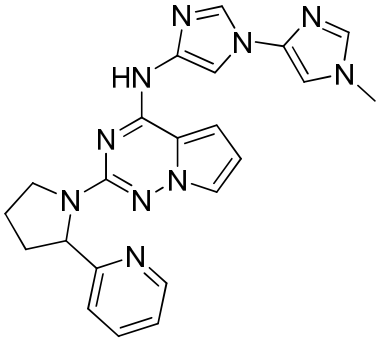
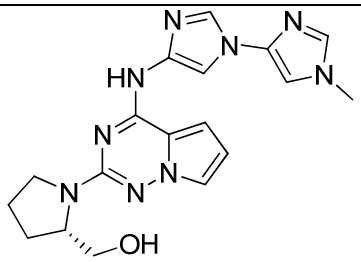
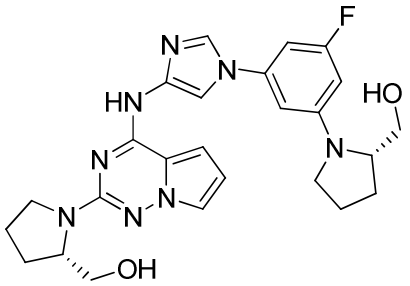
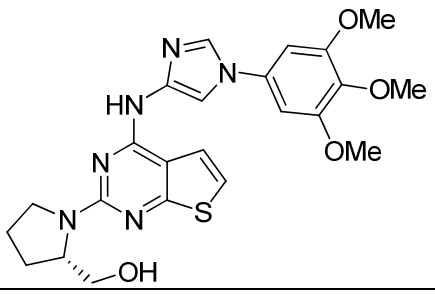
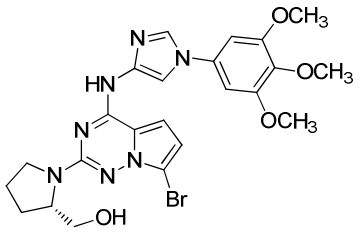
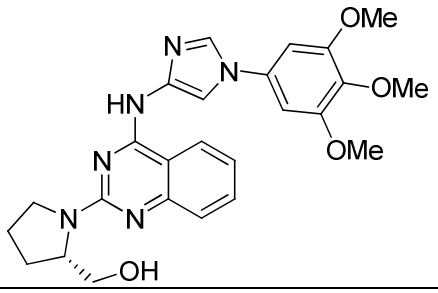
	

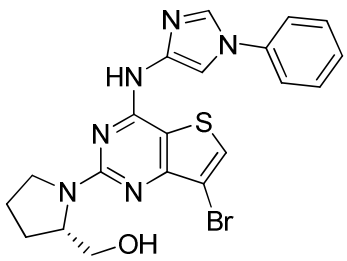
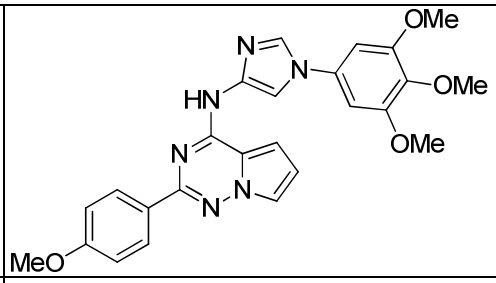
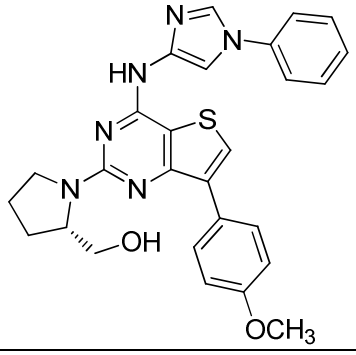
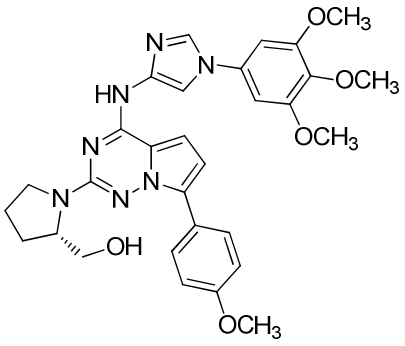
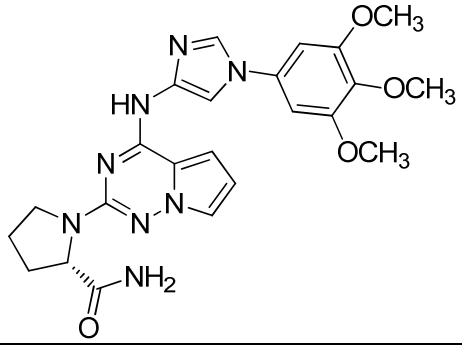
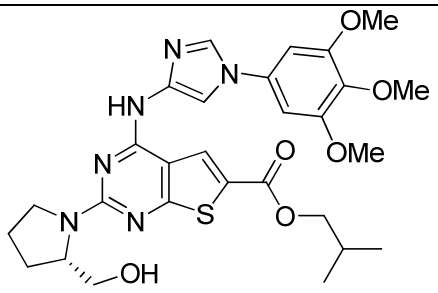
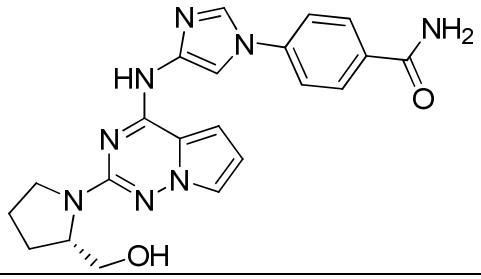
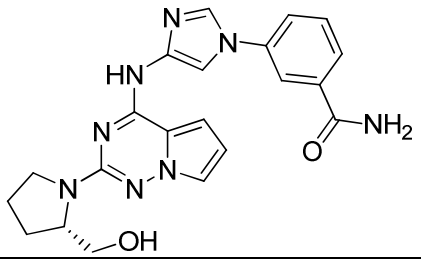
48. The compound of claim 1, selected from the following table:

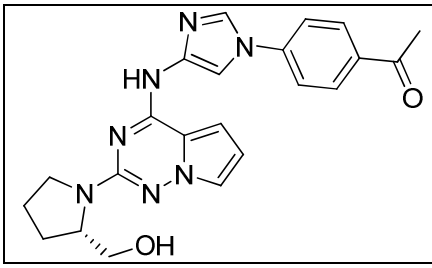
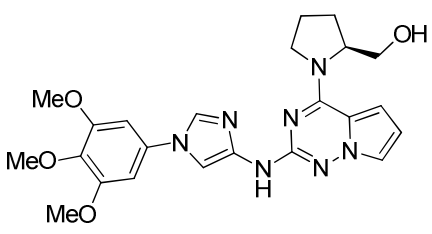
	
	
	
	
	
	

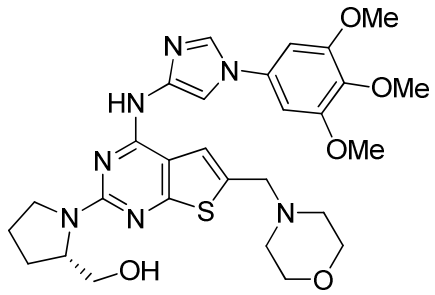
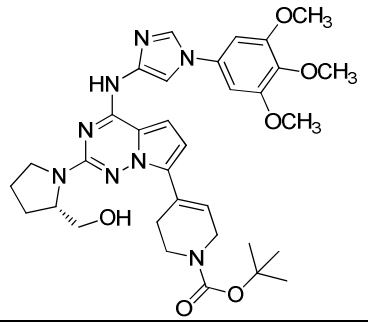
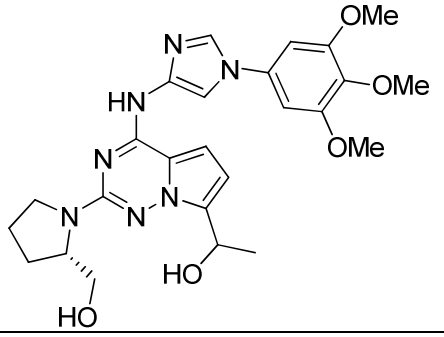
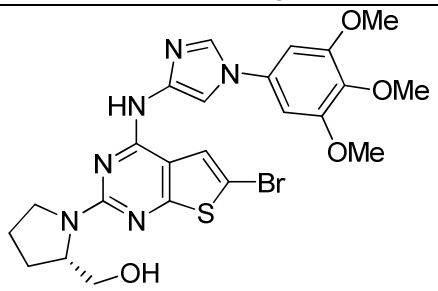
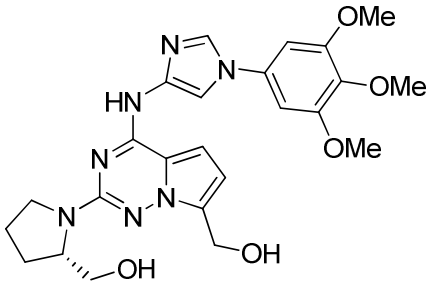
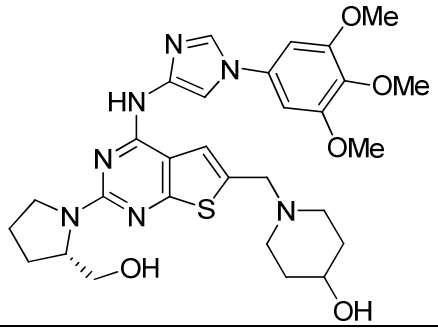
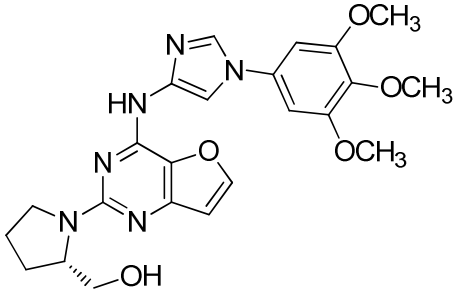
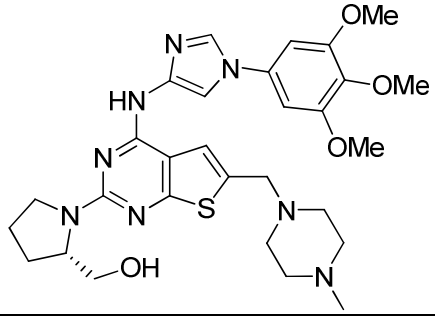
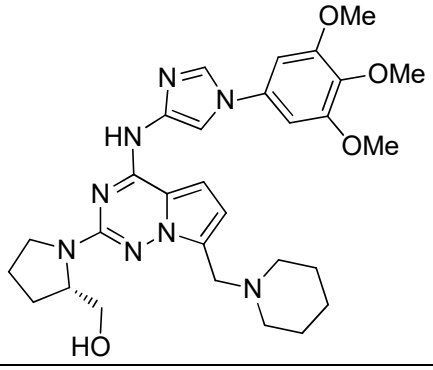
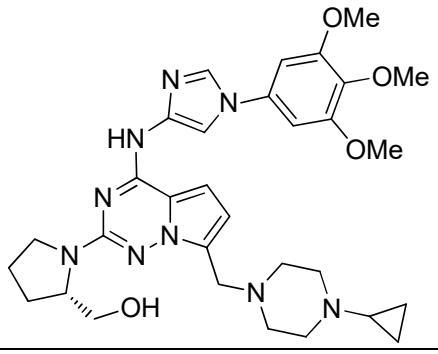
	
	
	
	
	

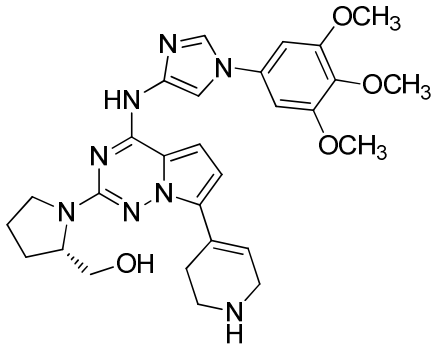
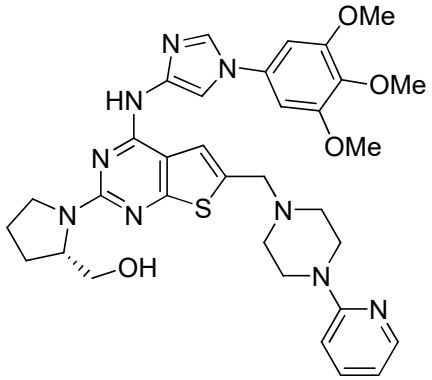
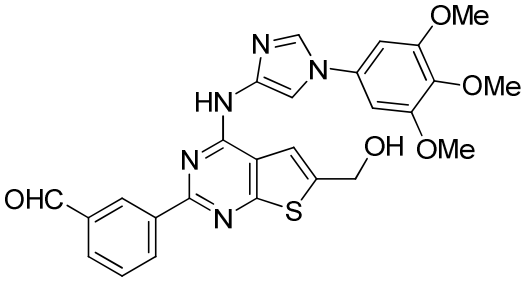
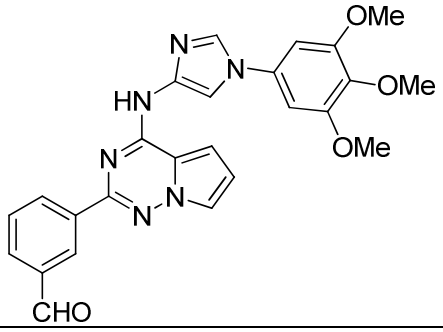
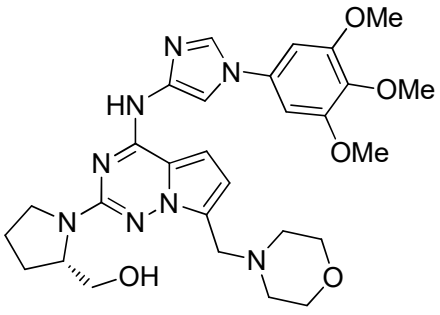
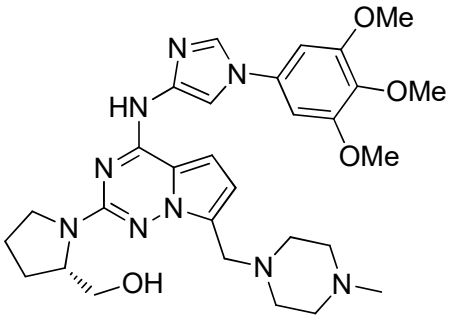
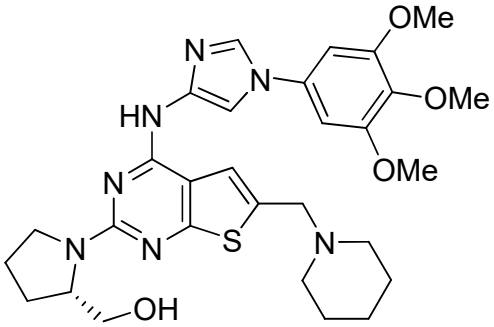
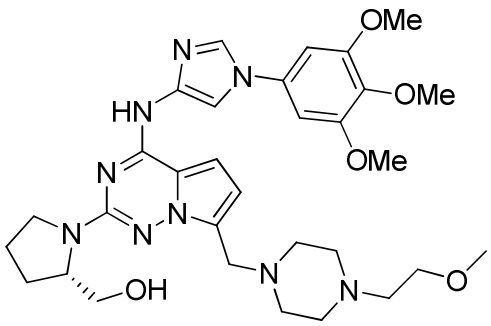
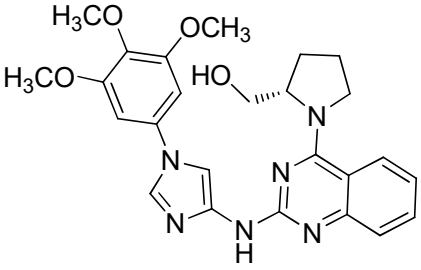
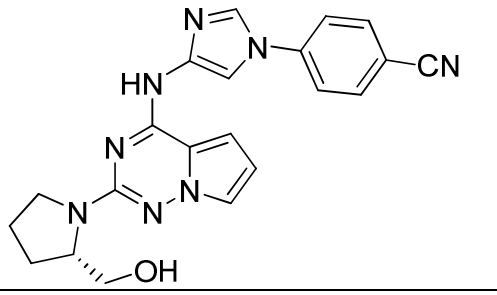
	
	
	
	
	

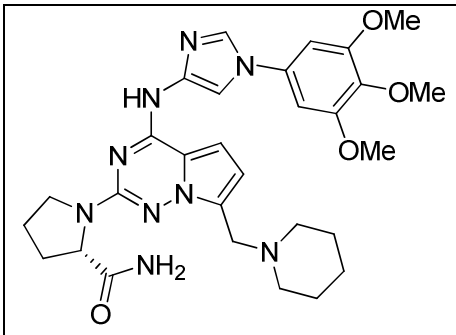
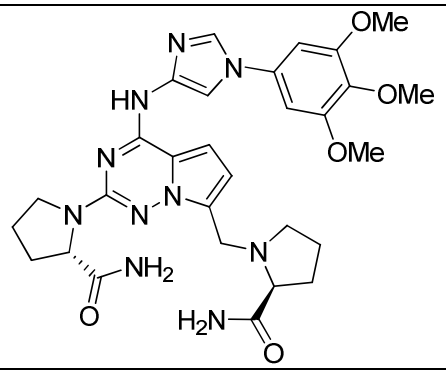
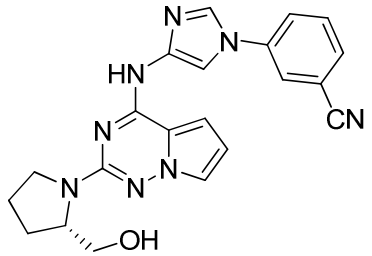
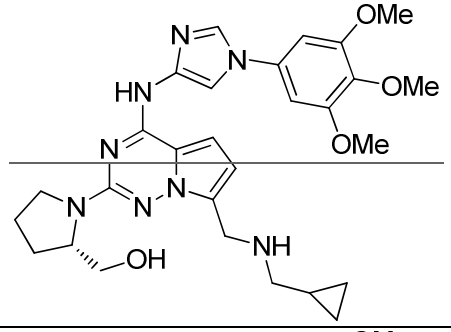
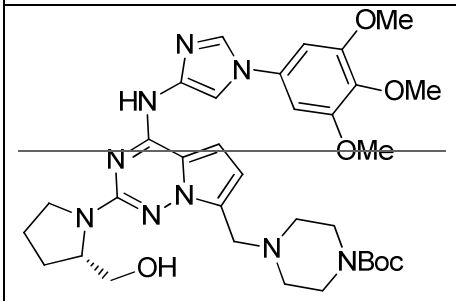
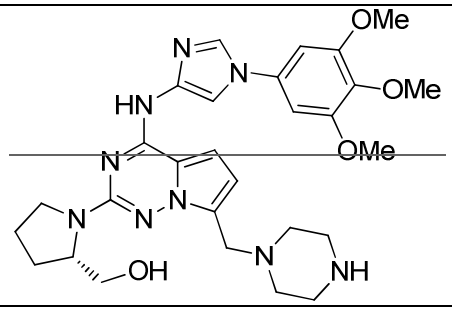
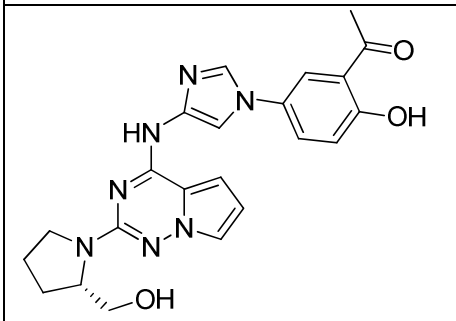
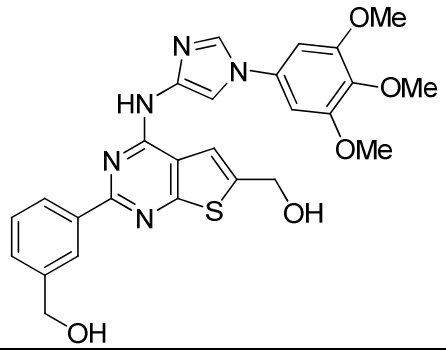
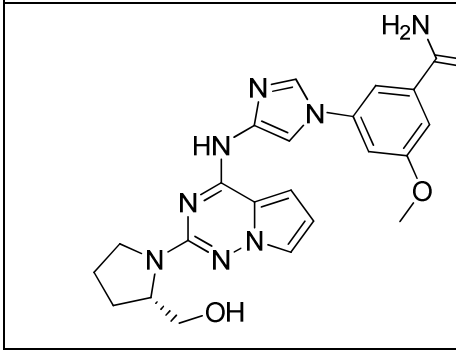
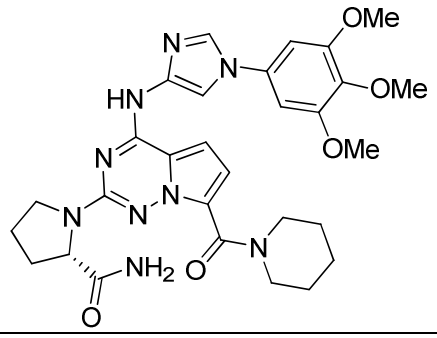
	
	
	
	

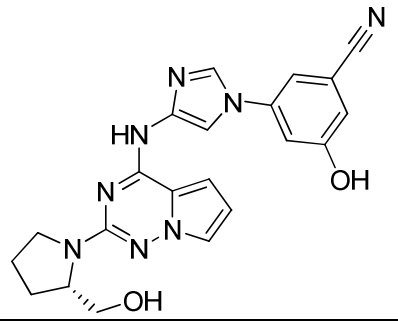
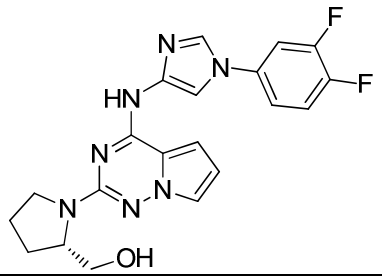
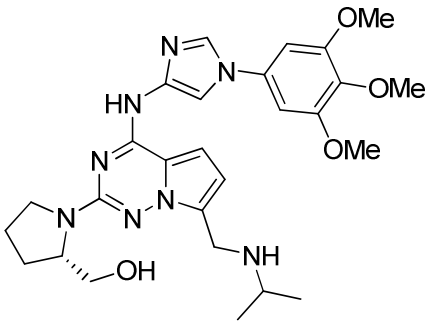
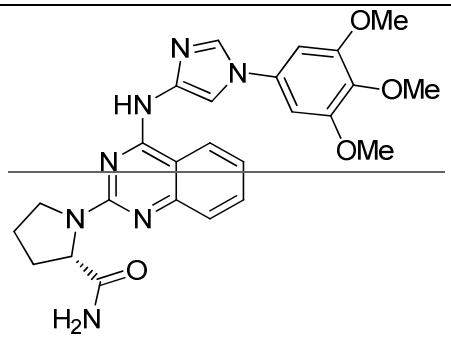
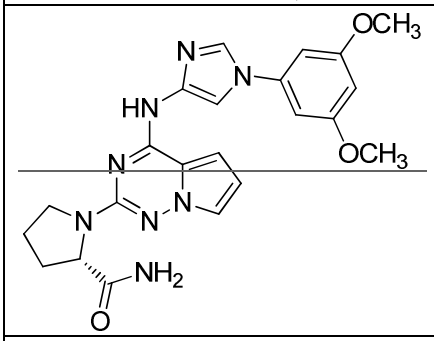
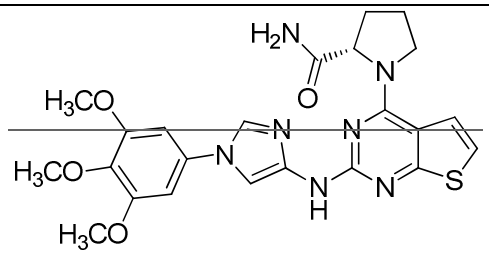
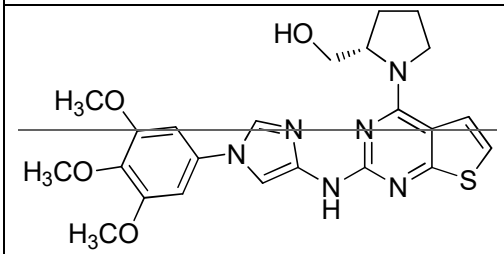
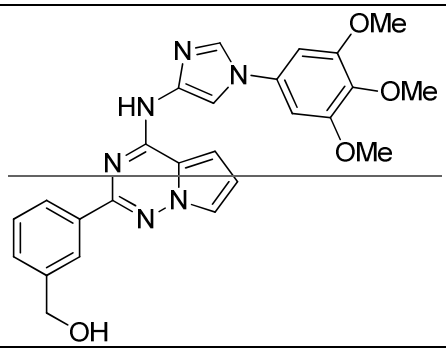
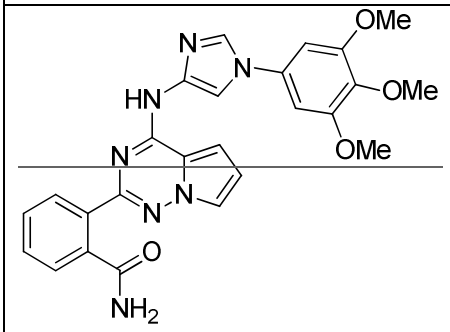
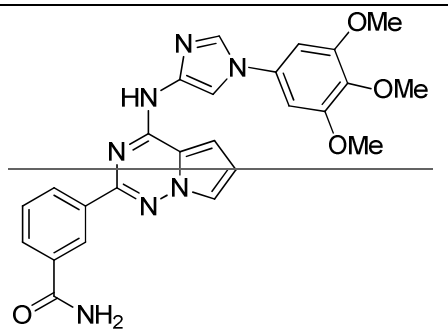
49. ~~The compound of claim 1, selected from the following table:~~

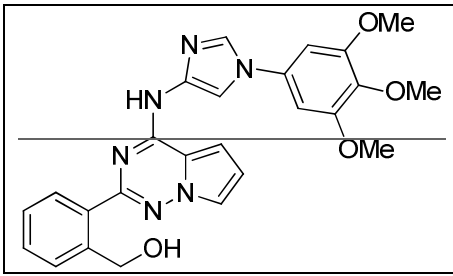
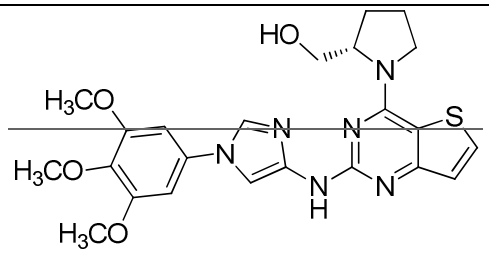
	

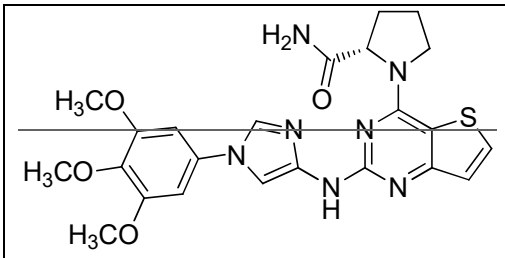
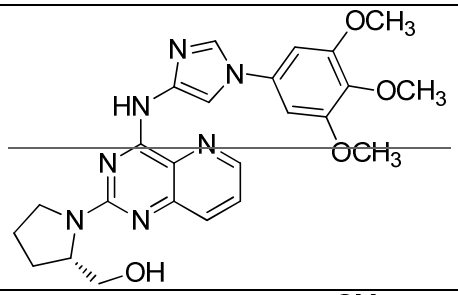
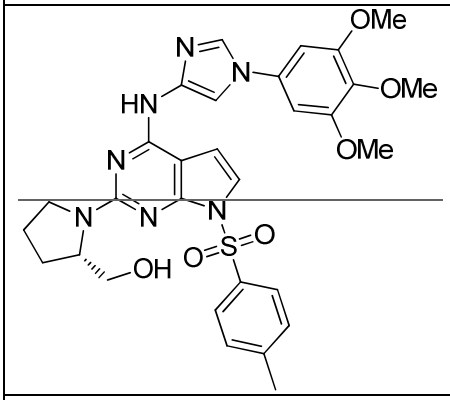
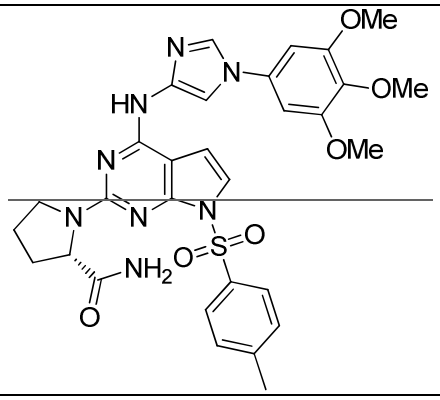
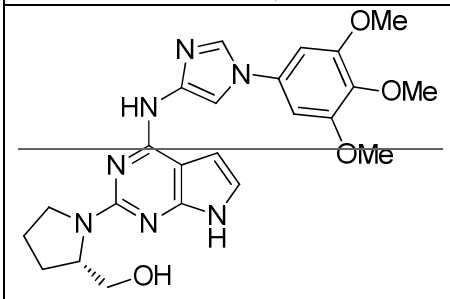
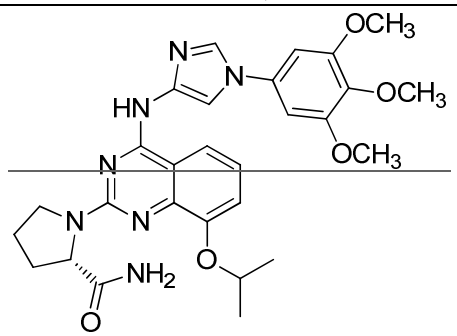
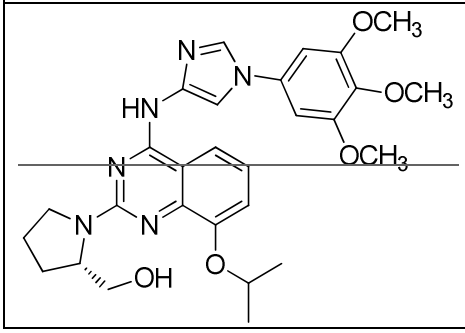
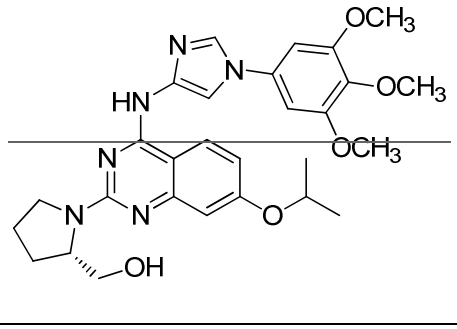
	
	
	
	
	

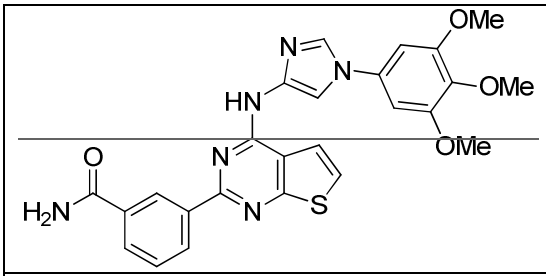
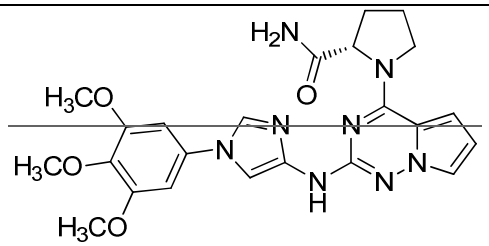
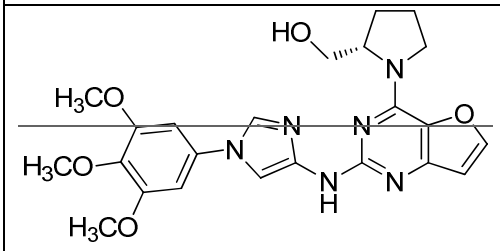
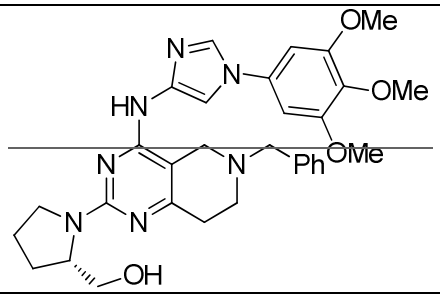
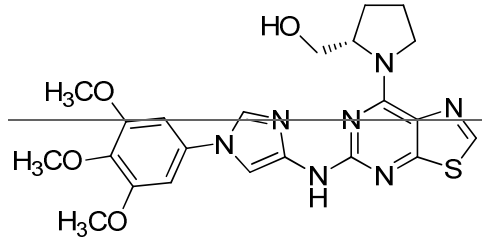
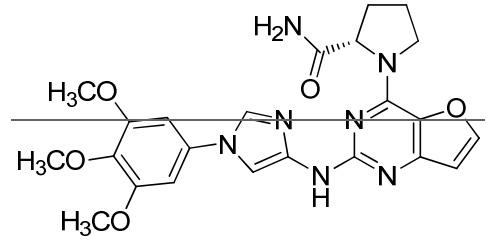
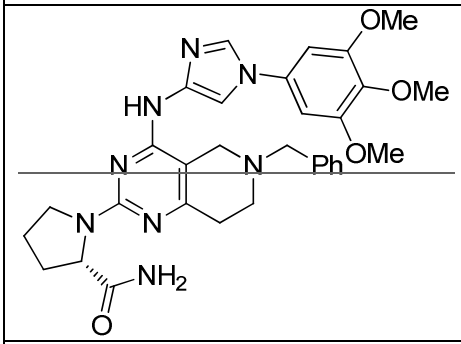
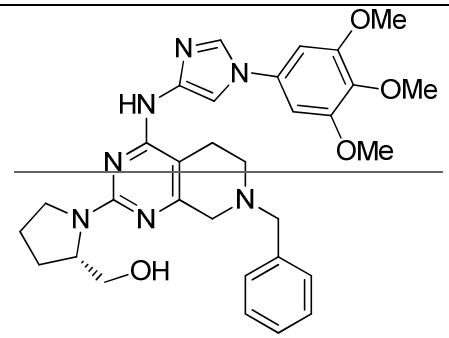
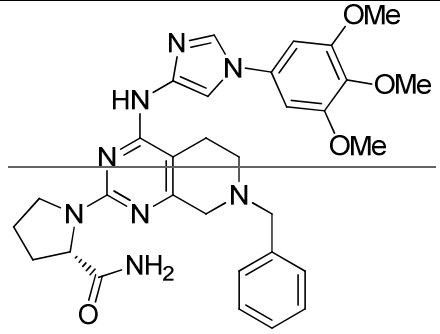
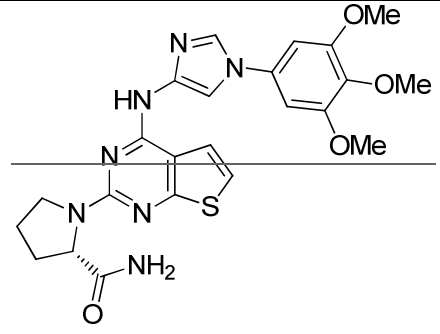
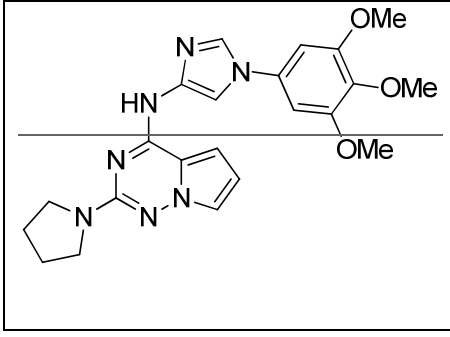
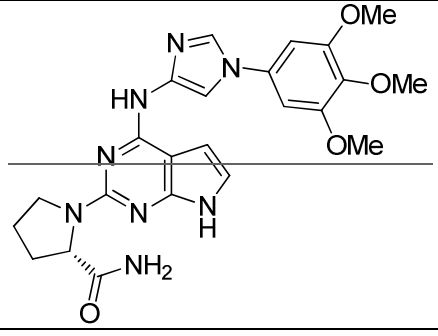
	
	
	
	
	

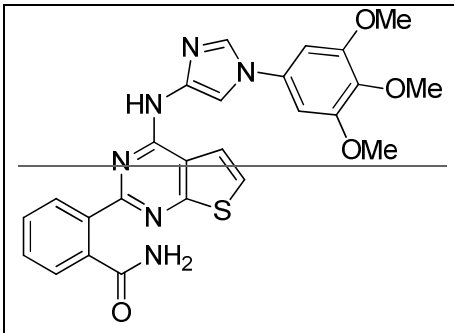
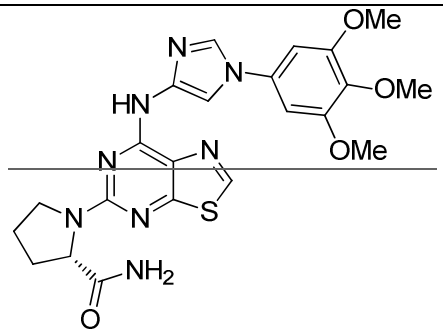
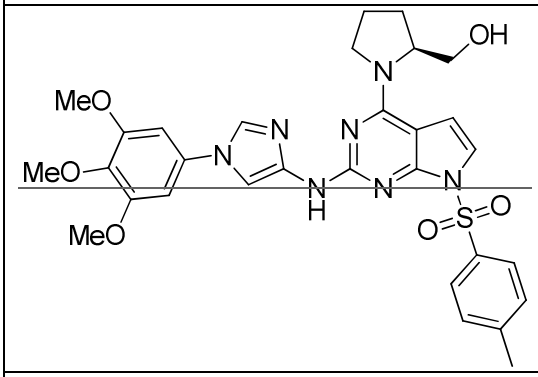
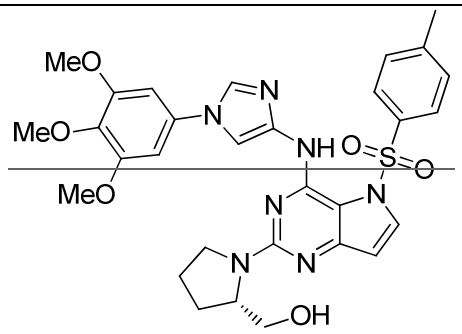
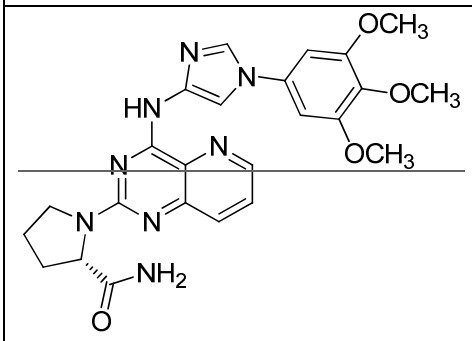
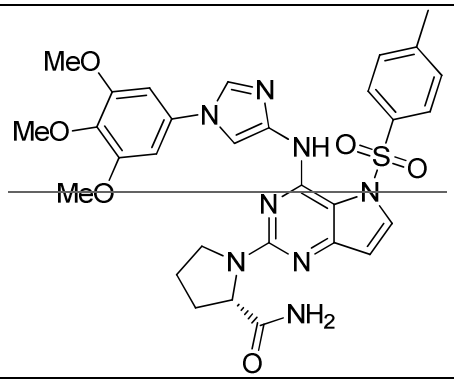
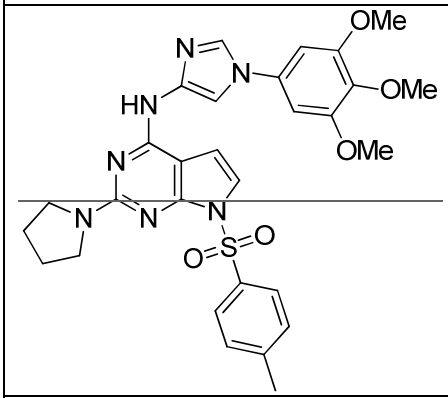
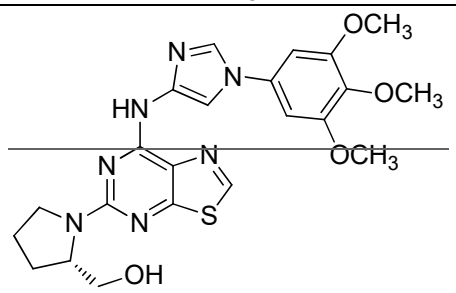
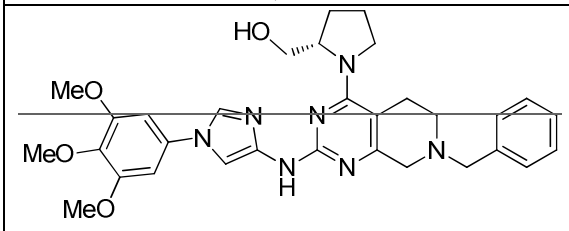
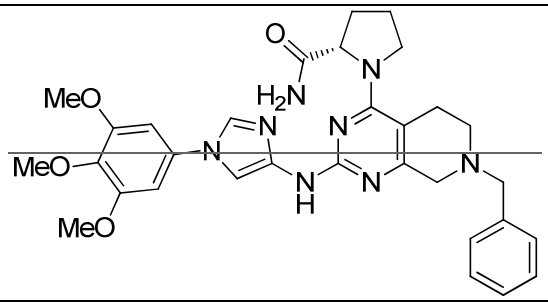
	
	
	
	
	

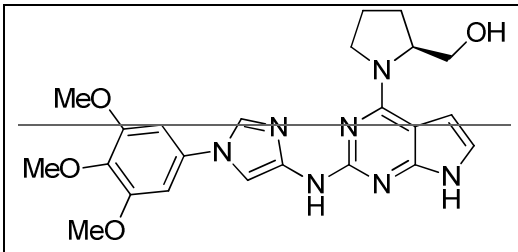
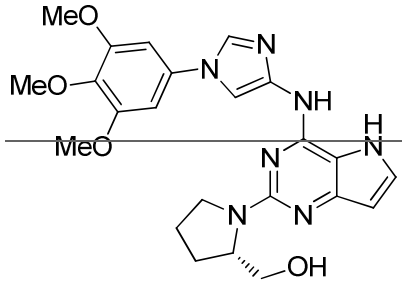
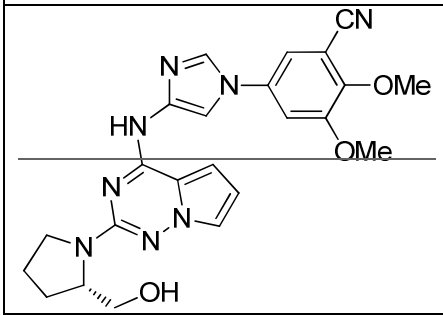
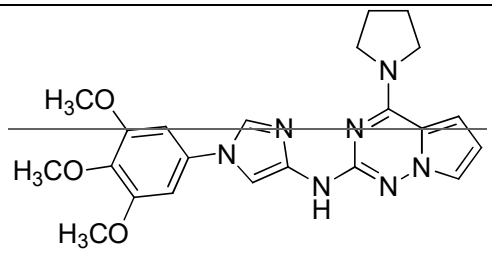
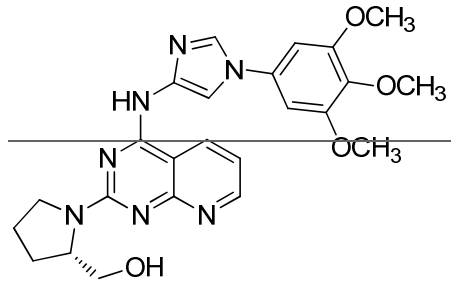
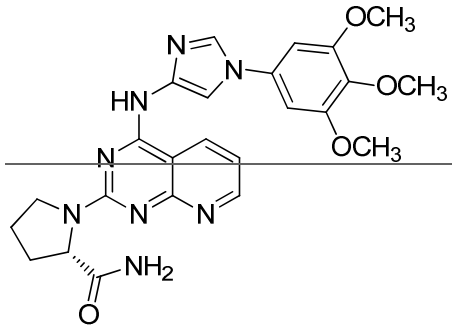
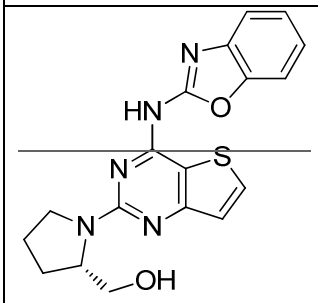
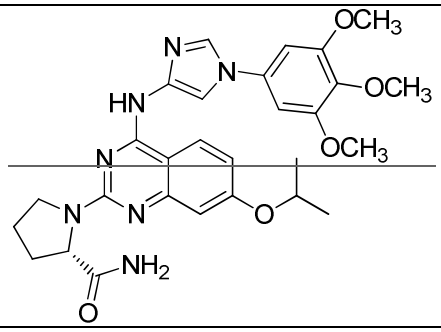
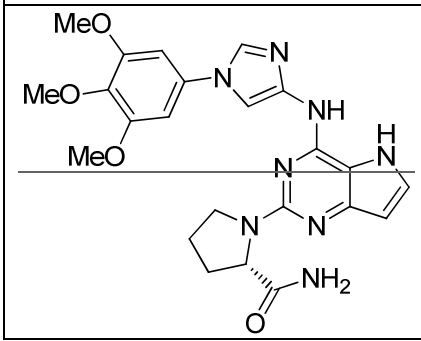
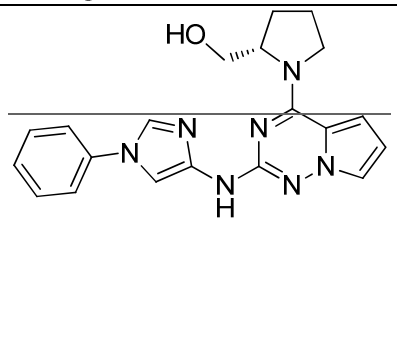
	

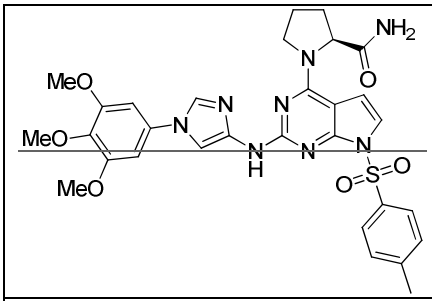
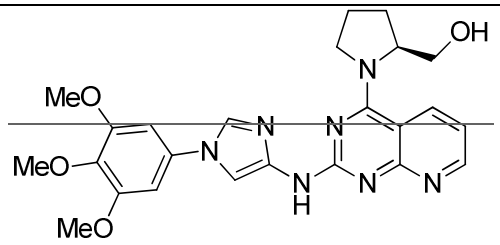
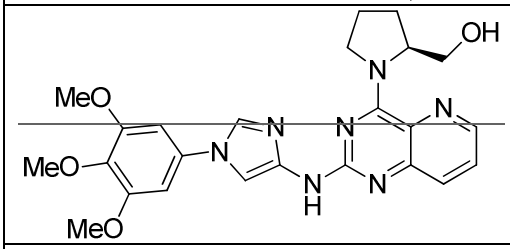
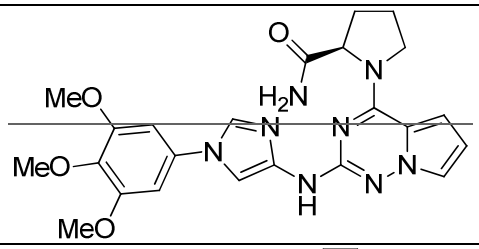
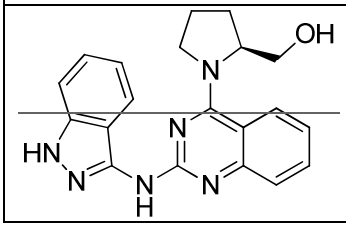
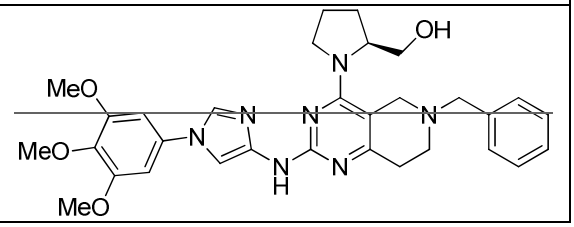
50. The compound of claim 1, selected from the following table:

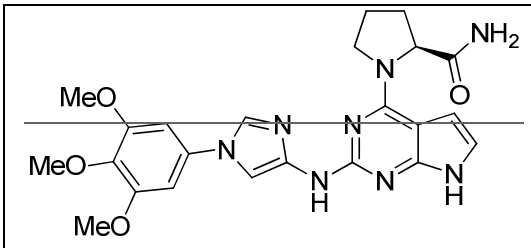
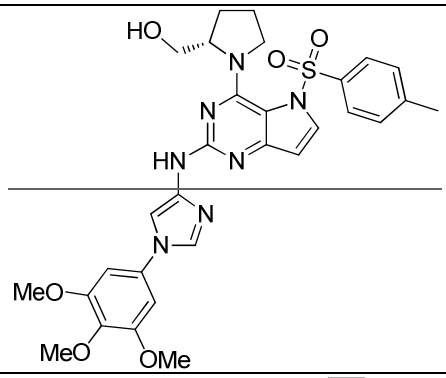
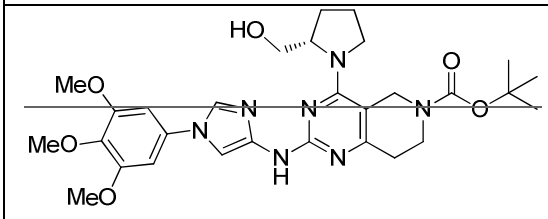
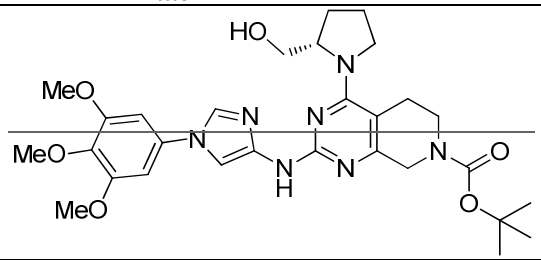
	
	
	
	
	
	

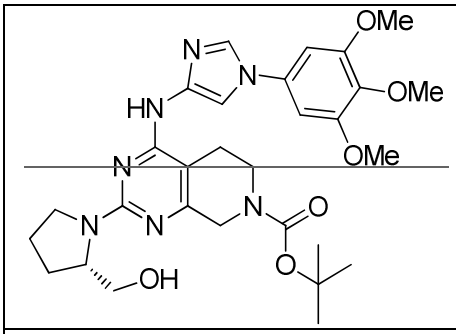
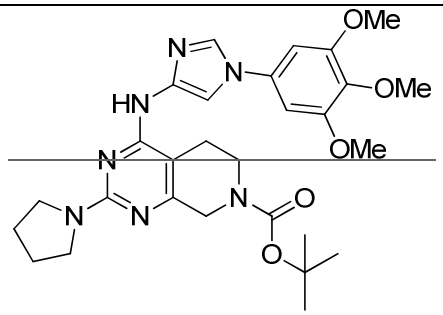
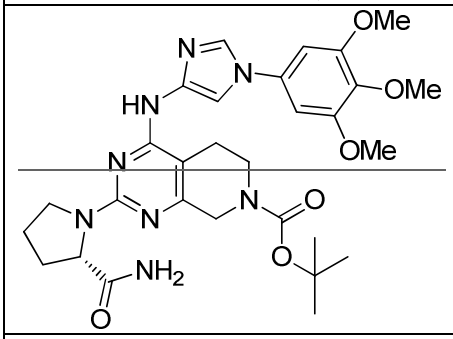
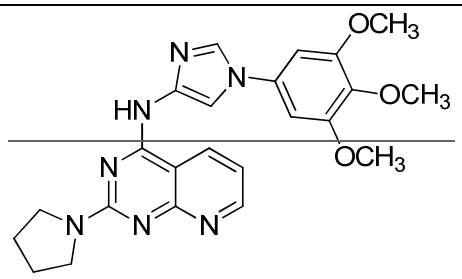
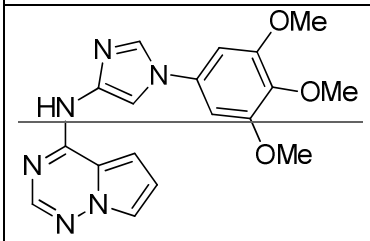
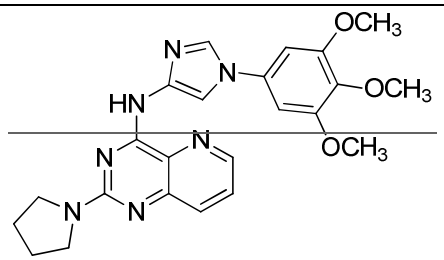
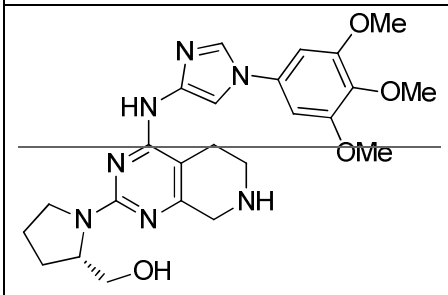
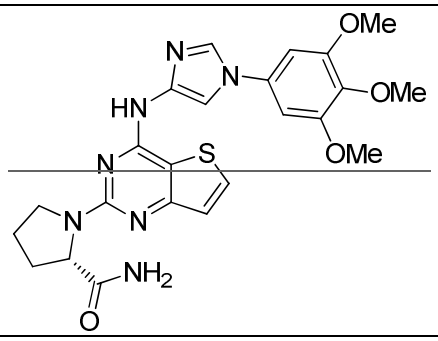
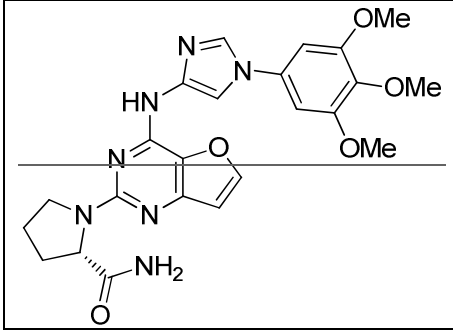
	
	
	
	
	

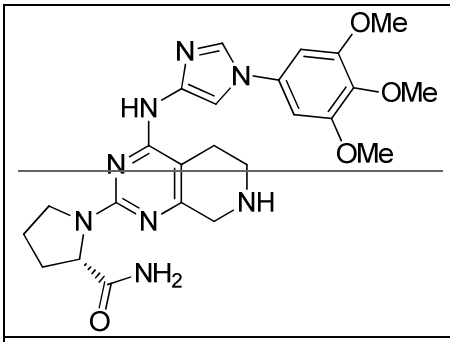
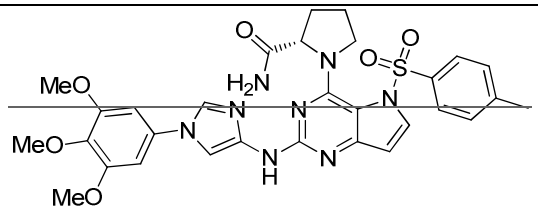
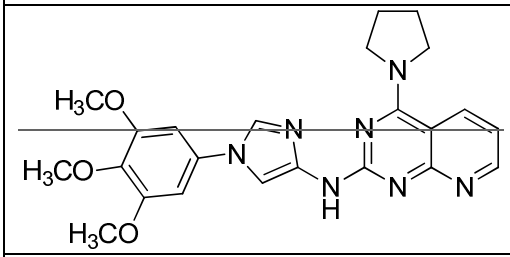
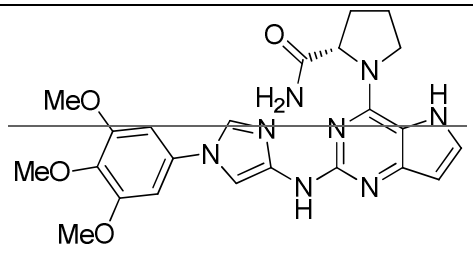
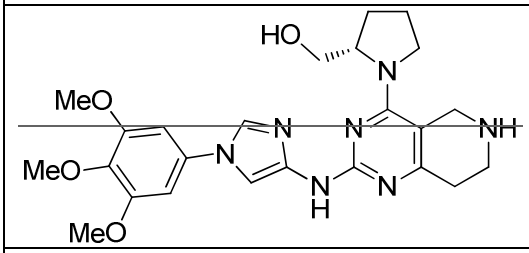
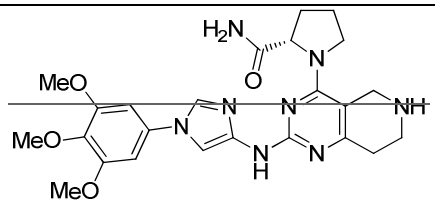
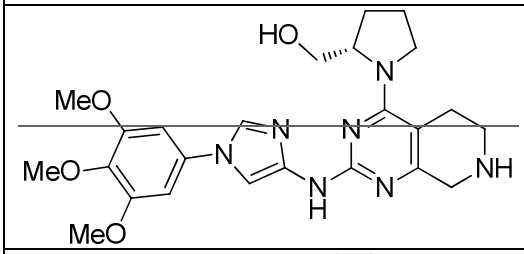
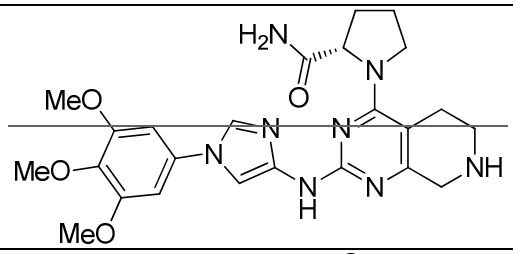
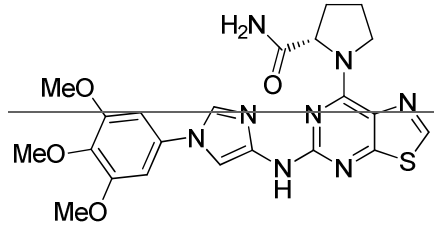
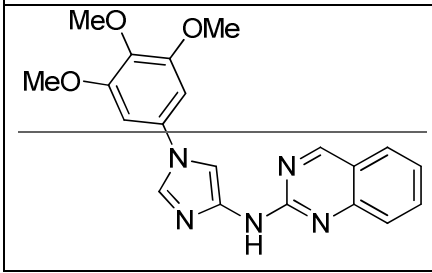
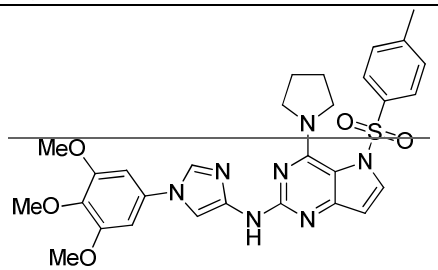
	
	
	
	
	

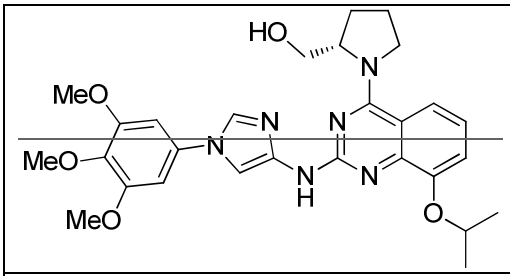
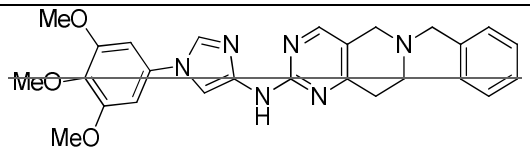
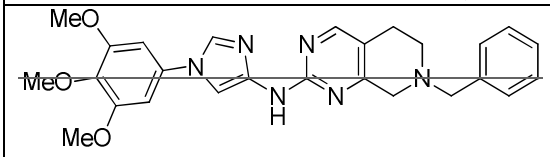
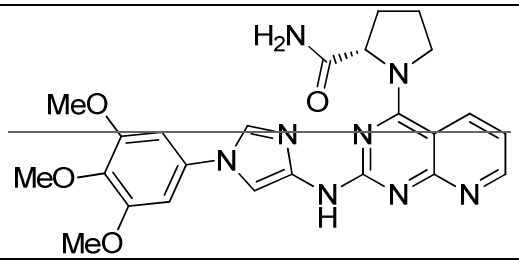
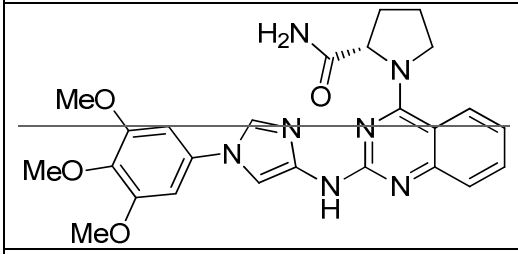
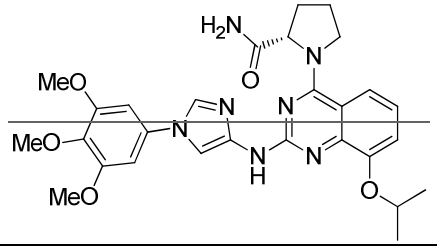
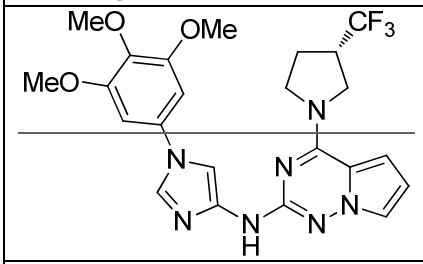
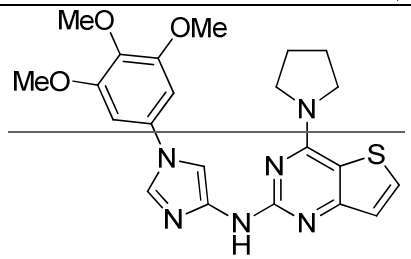
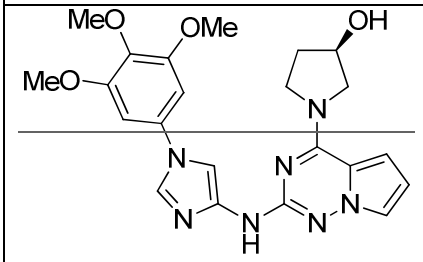
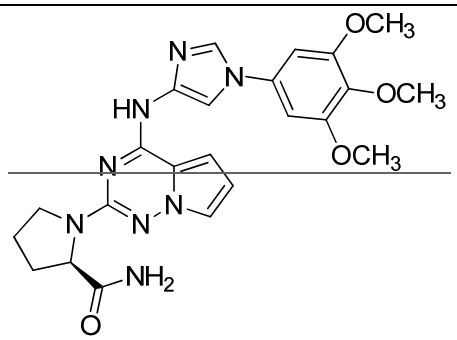
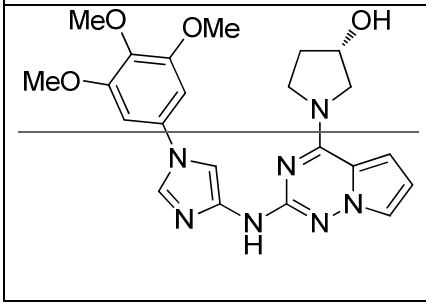
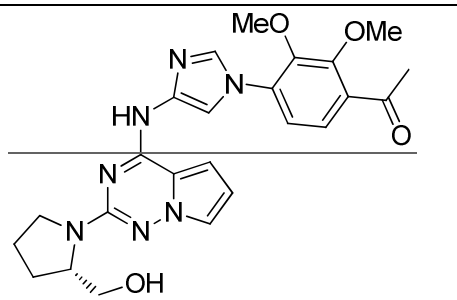
	
	
	

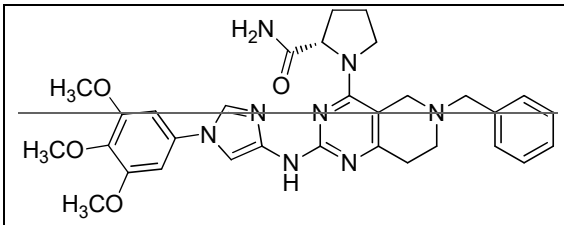
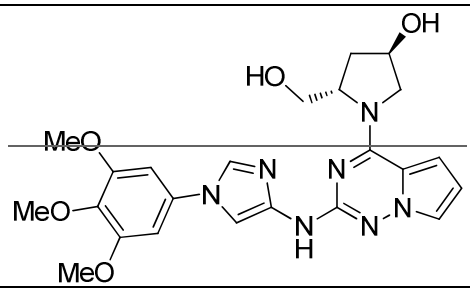
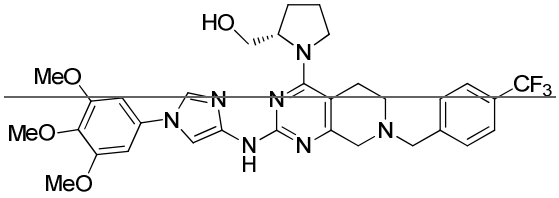
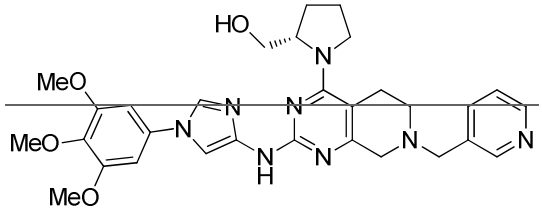
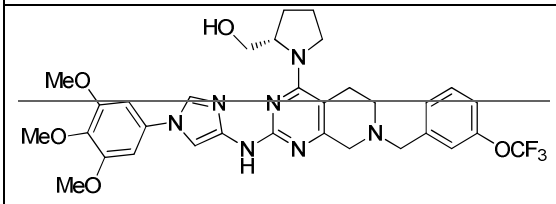
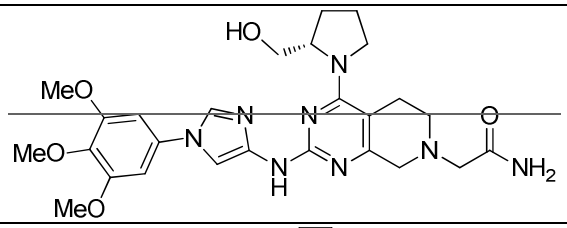
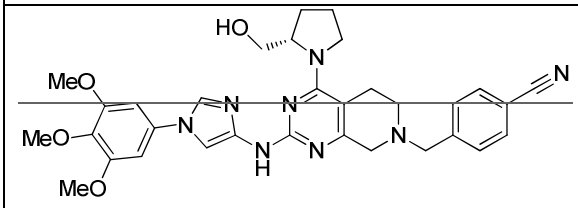
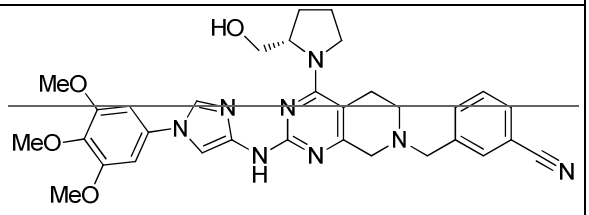
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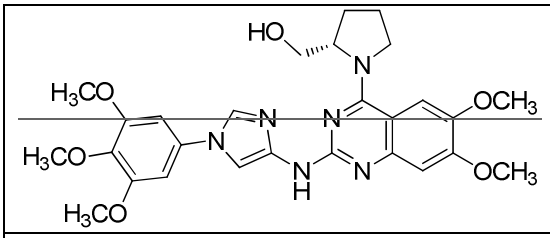
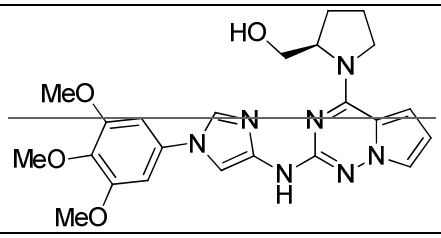
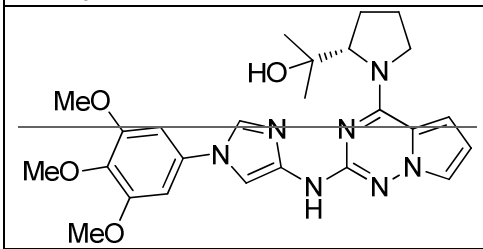
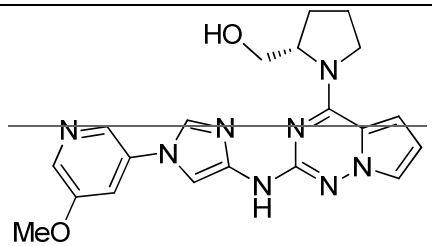
	
	
	
	
	

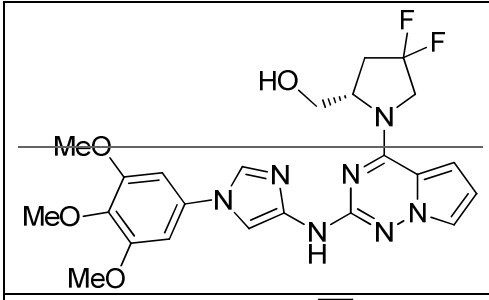
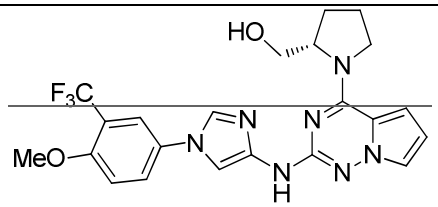
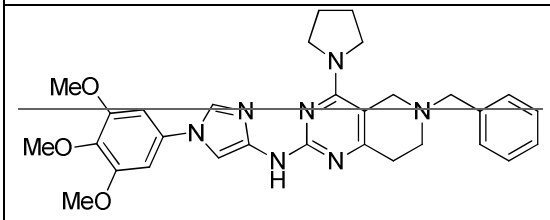
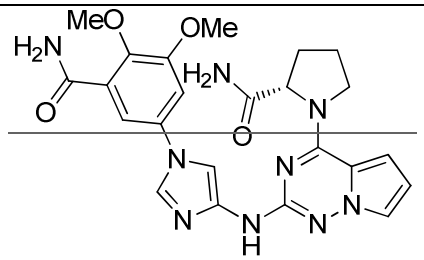
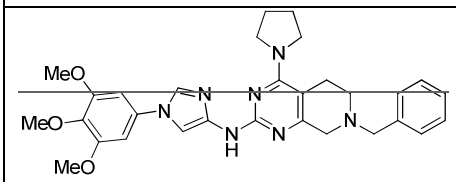
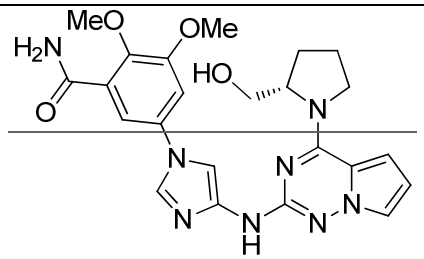
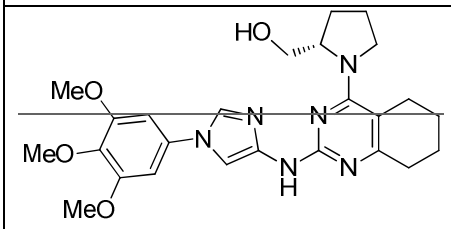
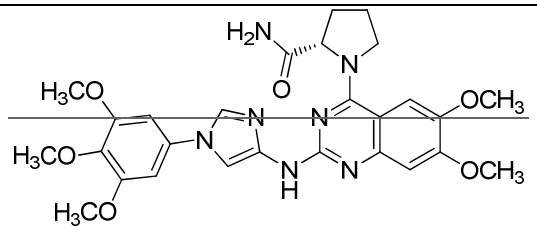
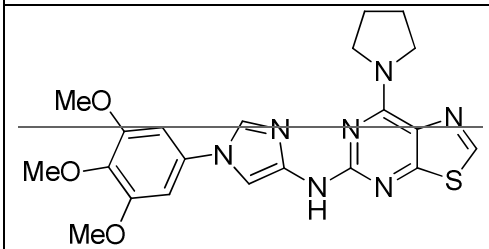
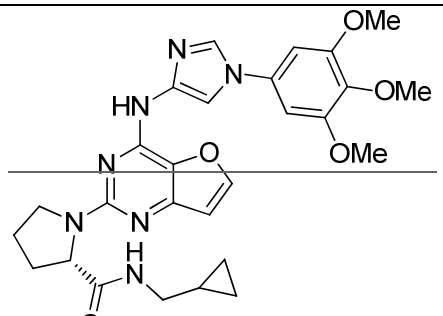
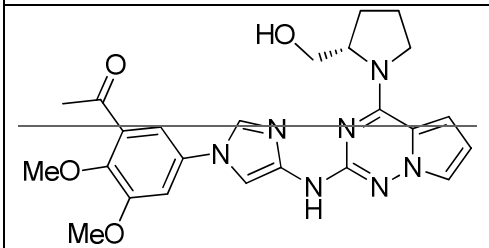
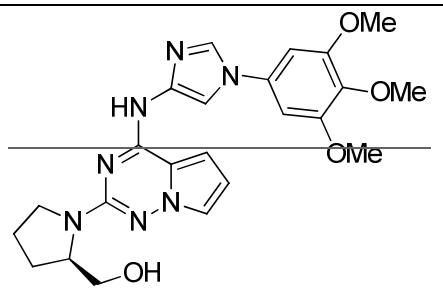
	
	
	
	
	
	

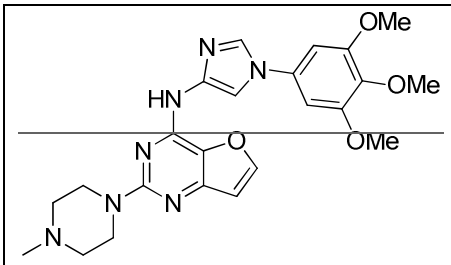
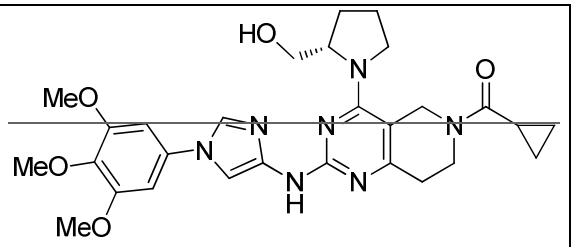
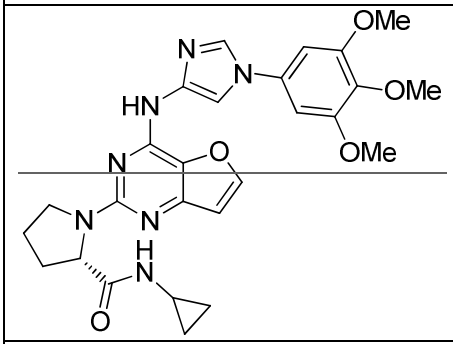
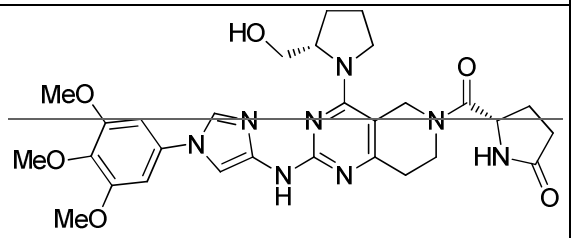
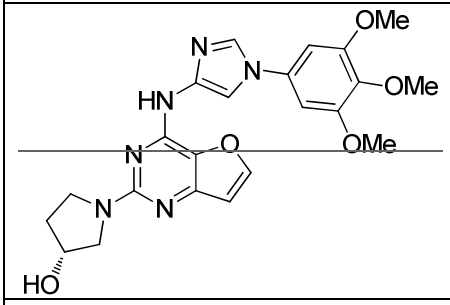
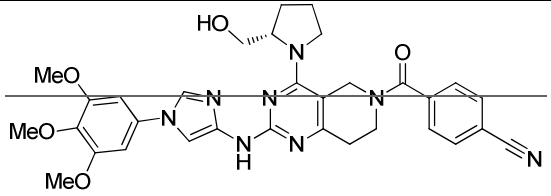
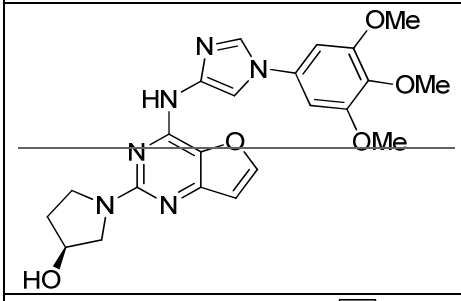
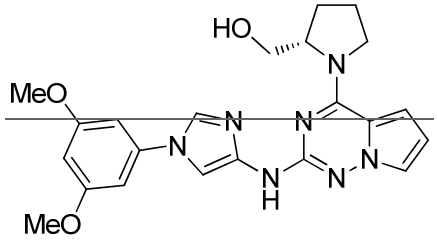
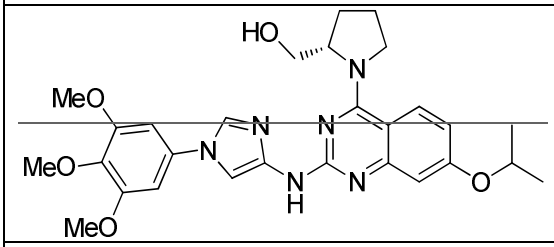
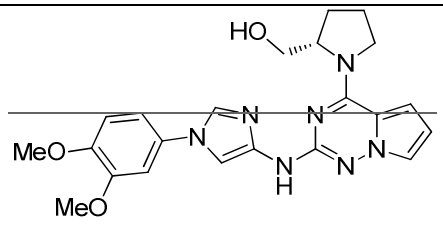
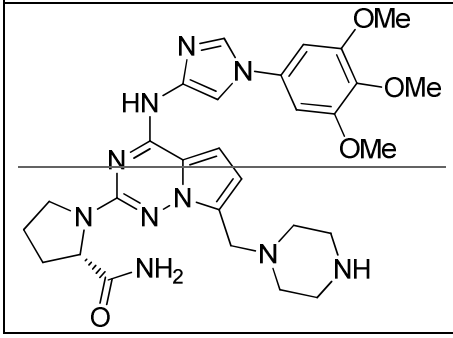
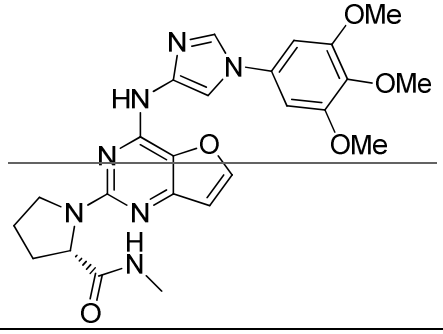
	
	
	
	
	
	

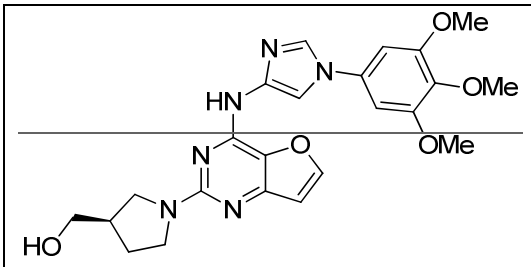
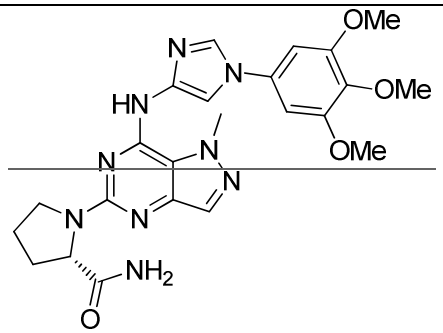
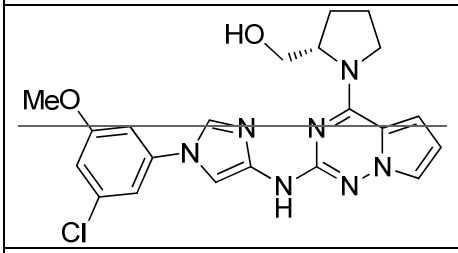
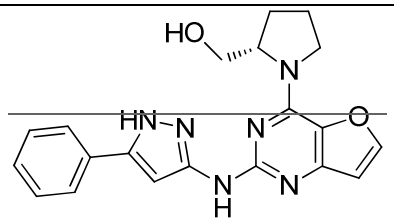
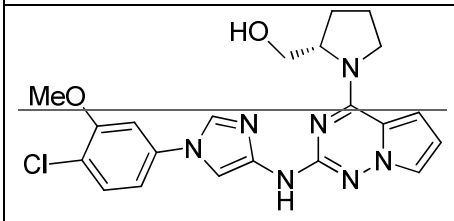
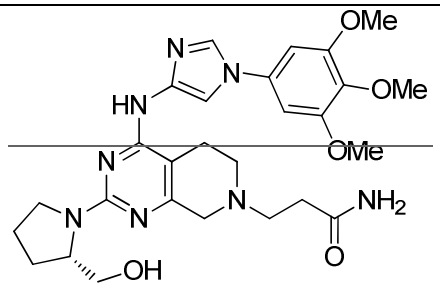
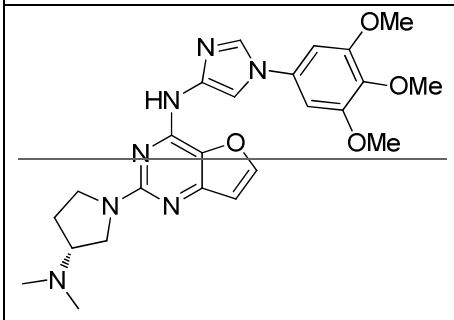
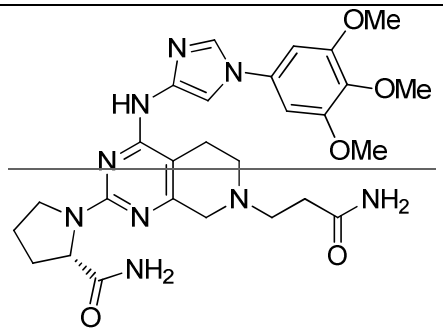
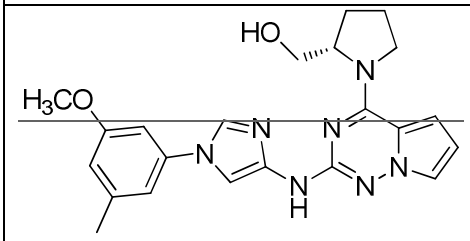
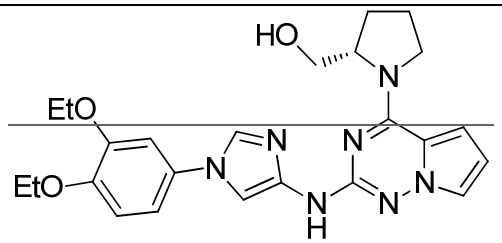
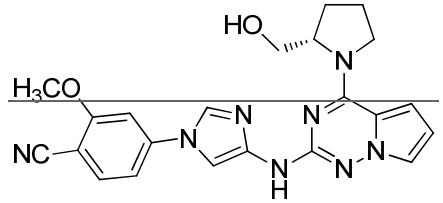
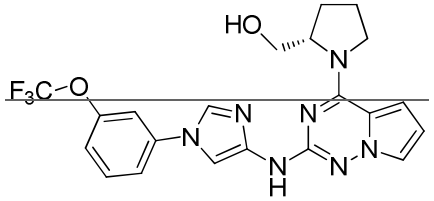
	
	
	
	

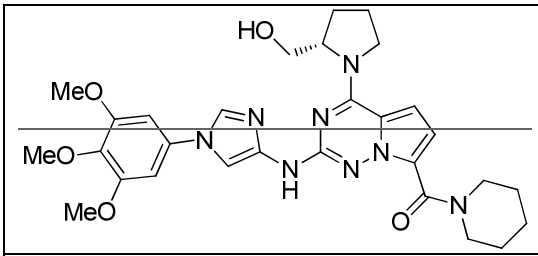
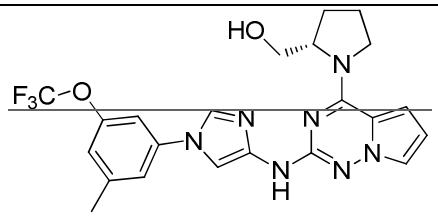
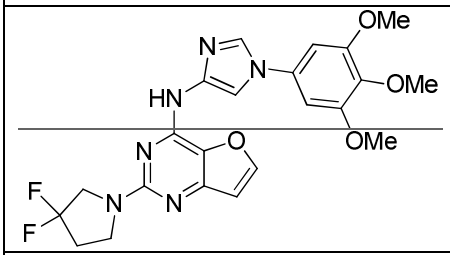
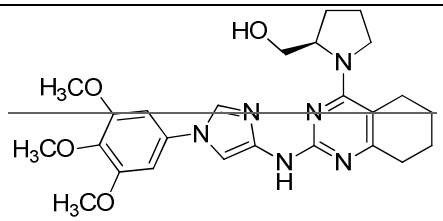
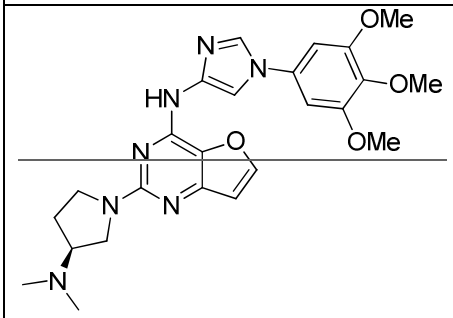
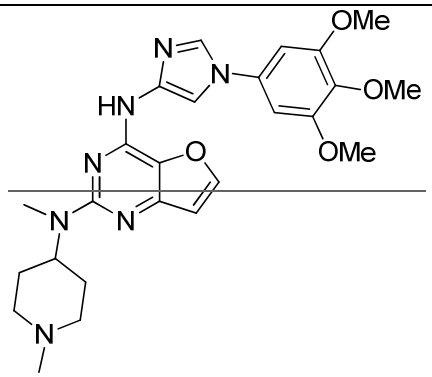
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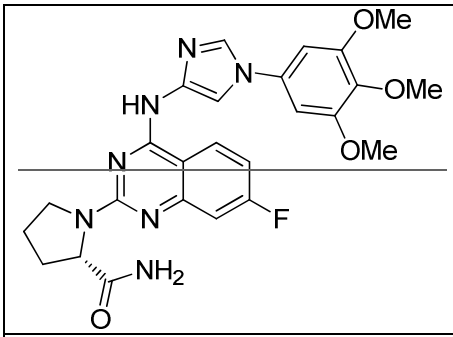
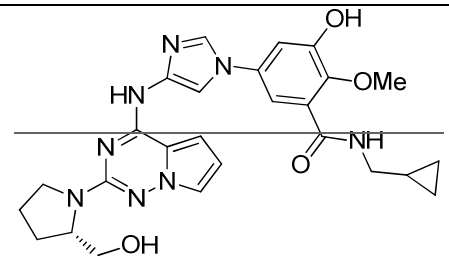
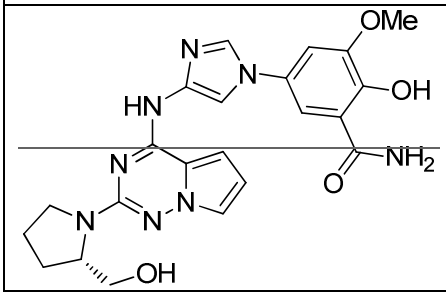
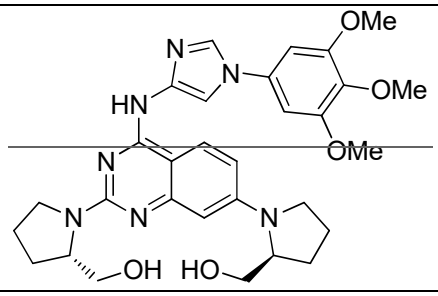
	
	
	
	
	
	

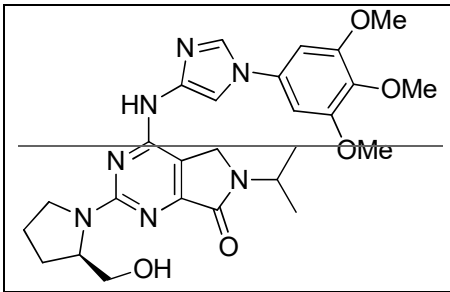
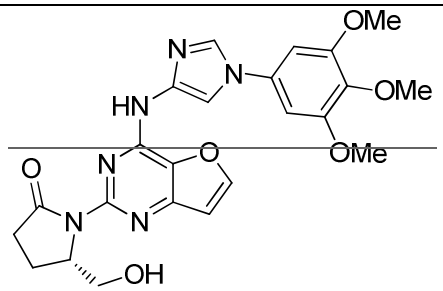
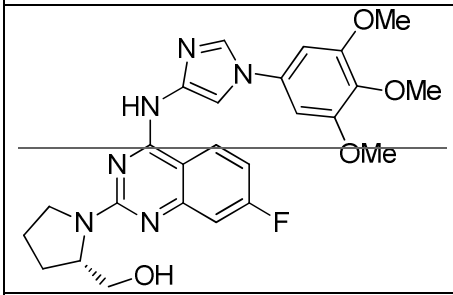
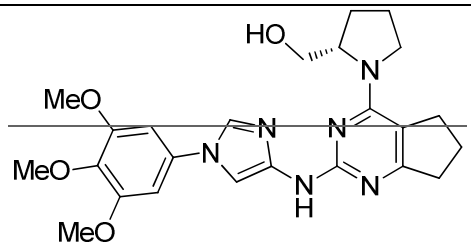
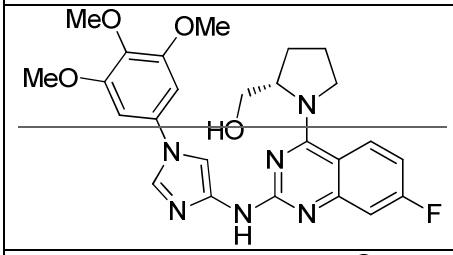
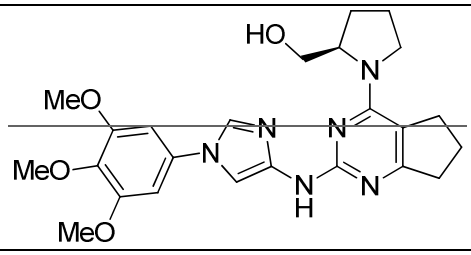
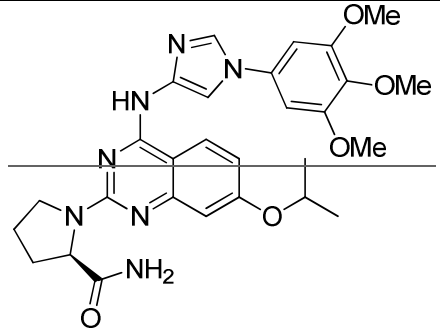
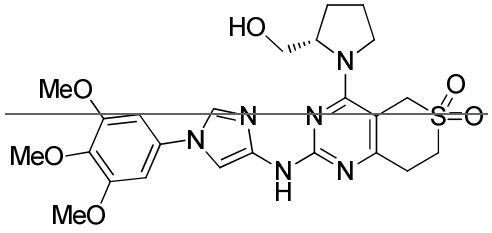
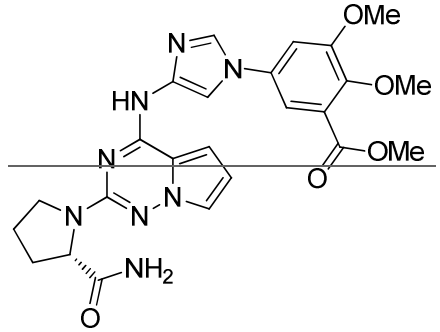
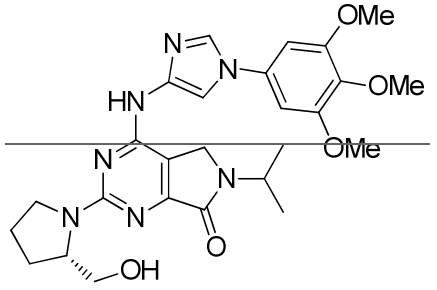
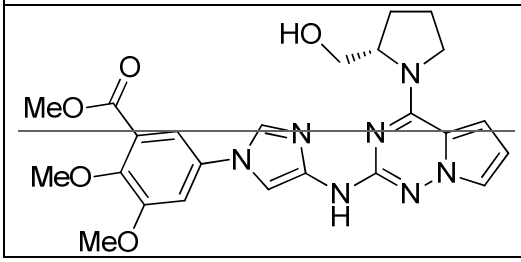
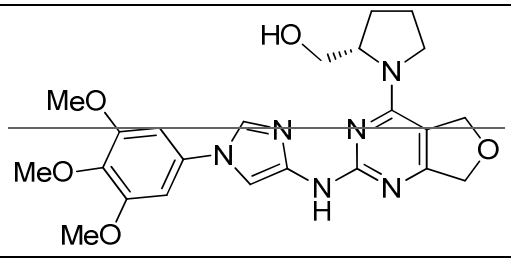
	
	
	
	
	
	

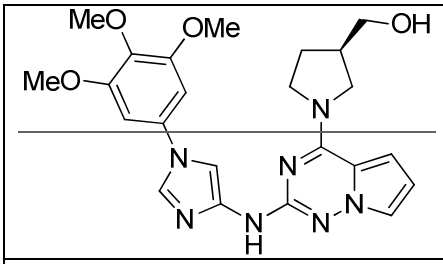
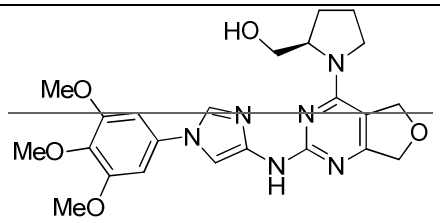
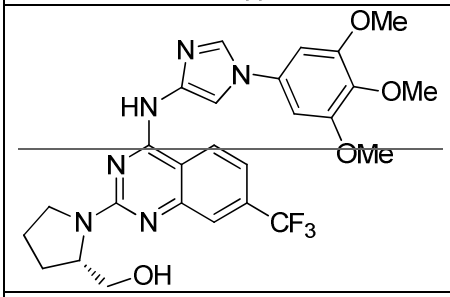
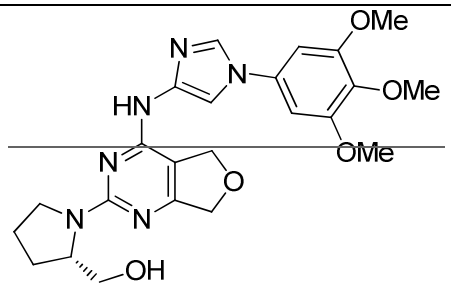
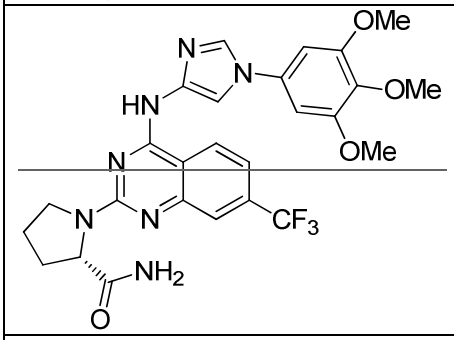
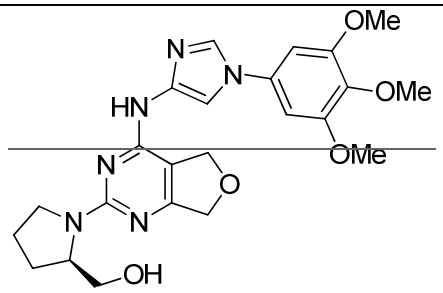
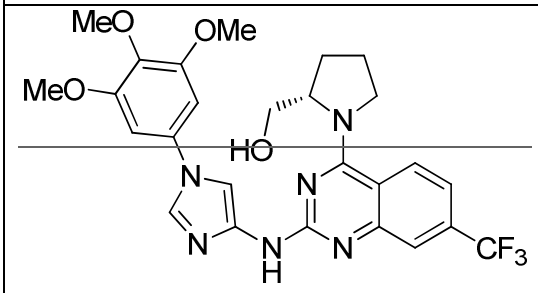
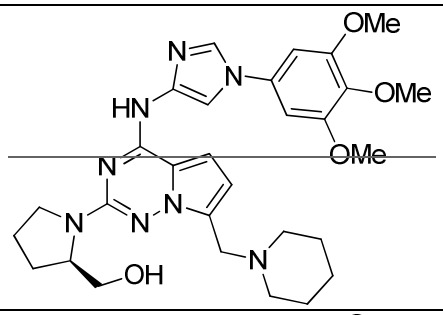
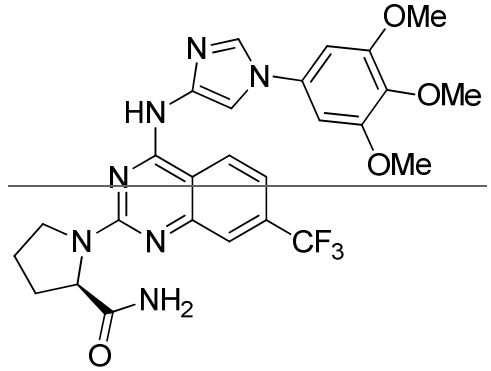
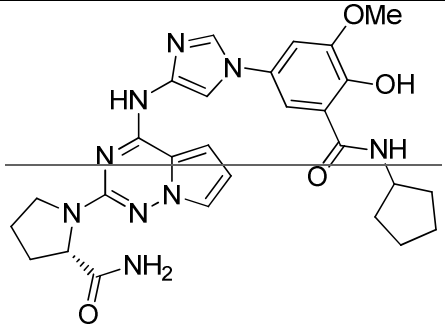
	
	
	
	
	
	

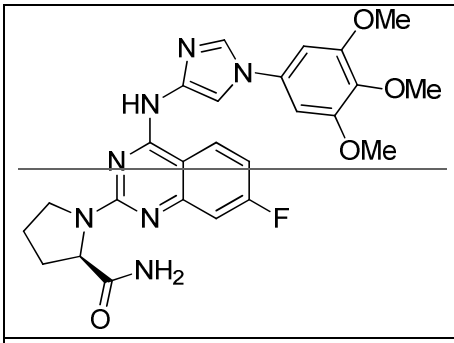
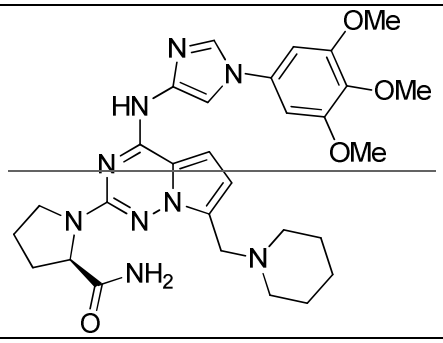
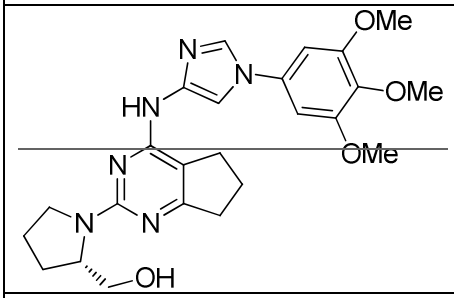
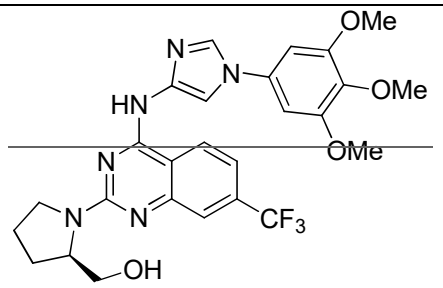
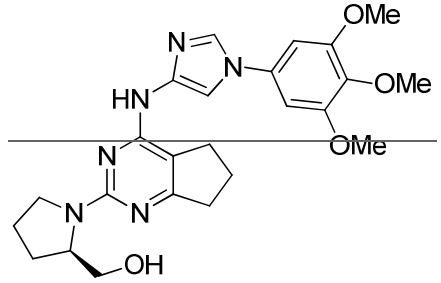
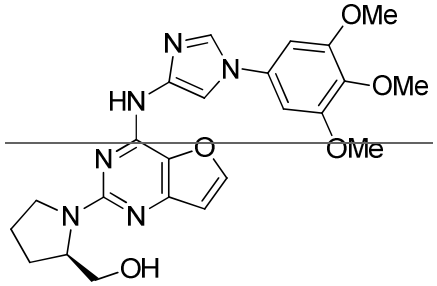
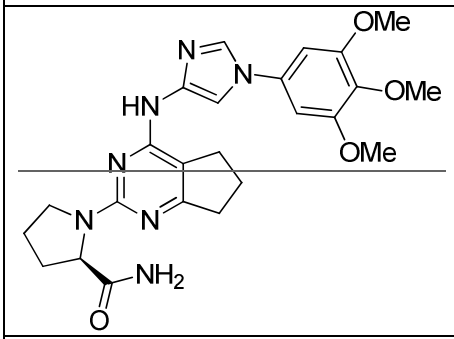
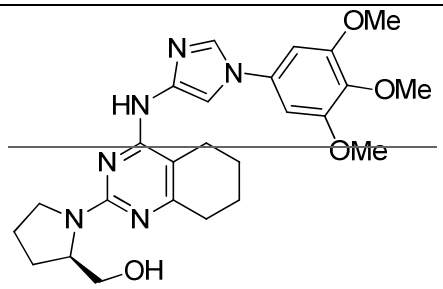
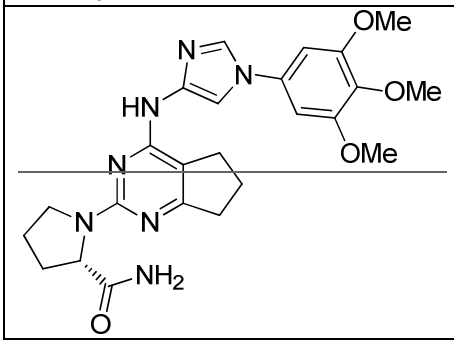
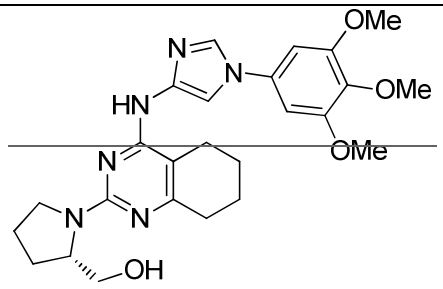
	
	
	

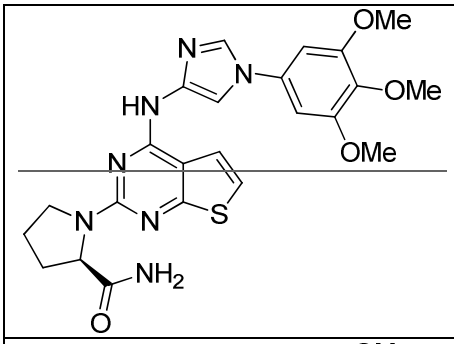
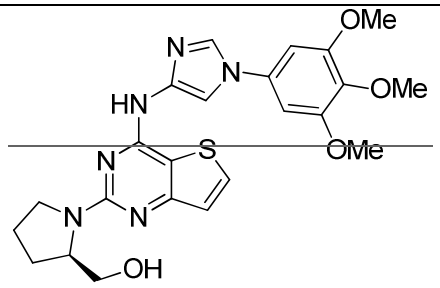
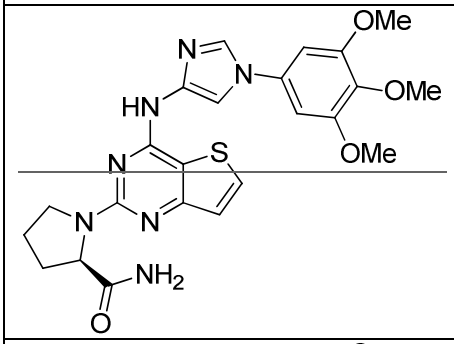
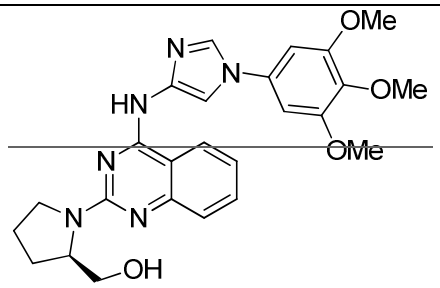
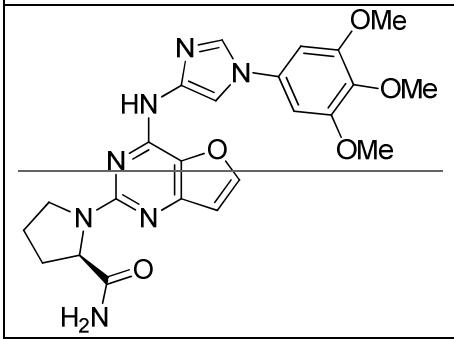
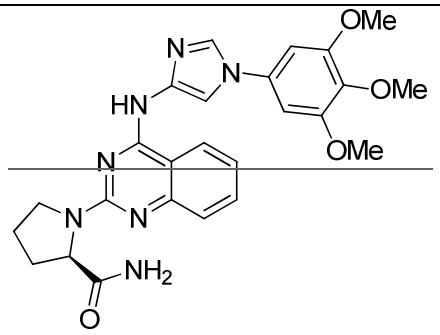
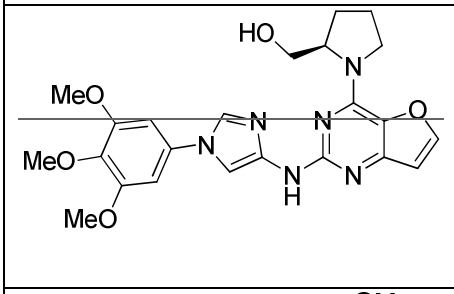
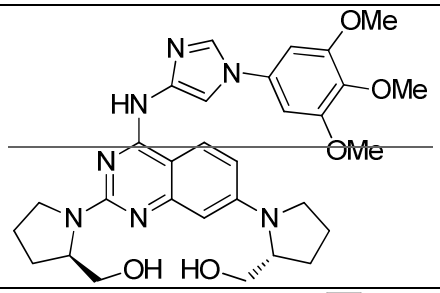
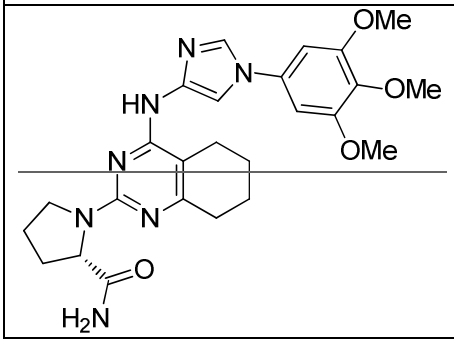
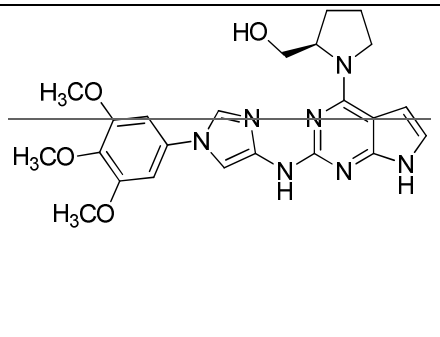
53. ~~The compound of claim 1, selected from the following table:~~

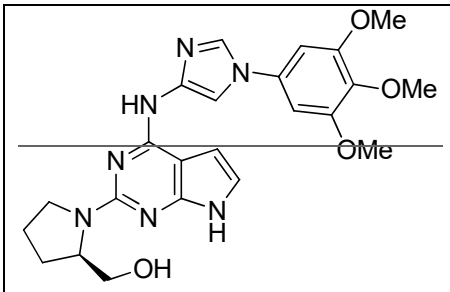
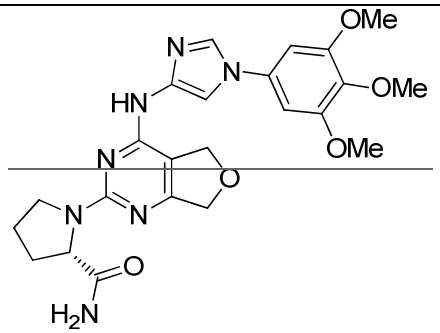
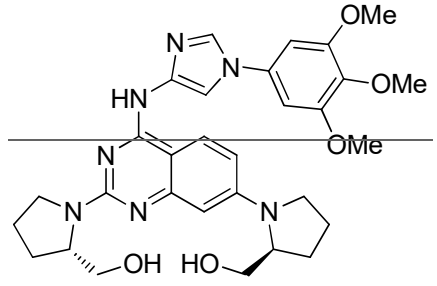
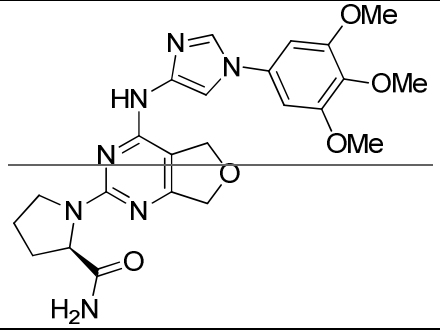
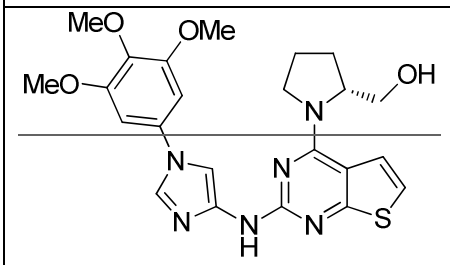
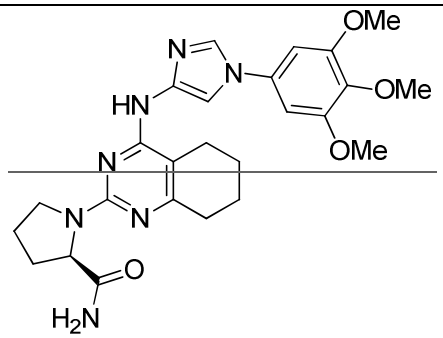
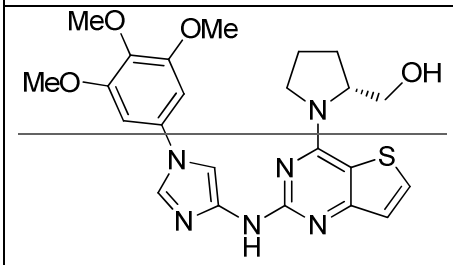
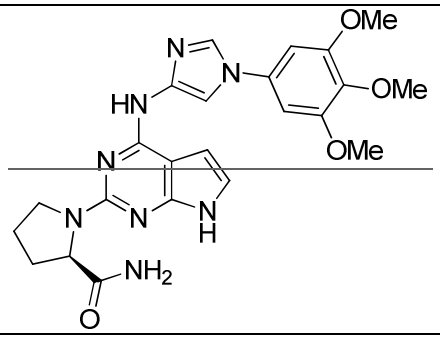
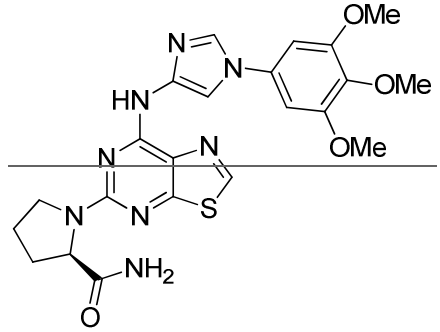
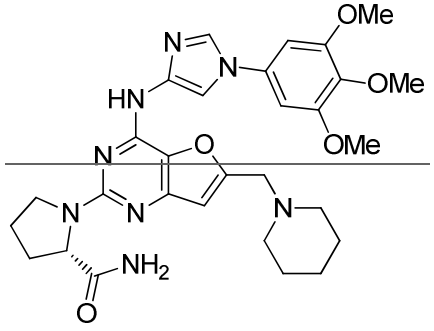
	
	
	
	
	
	

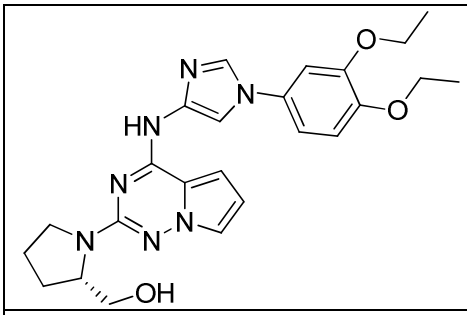
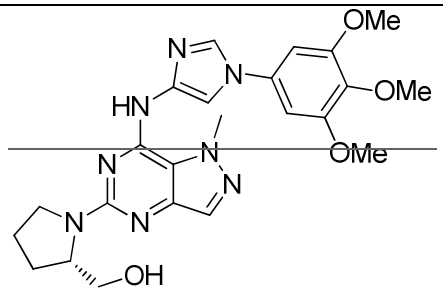
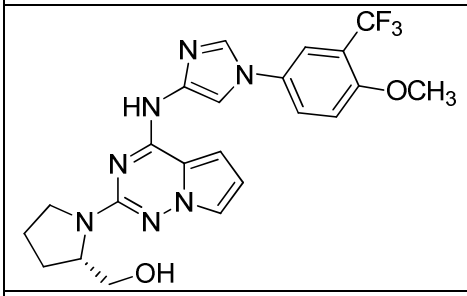
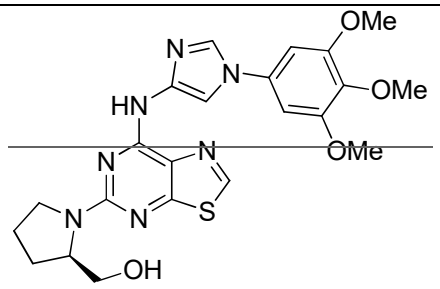
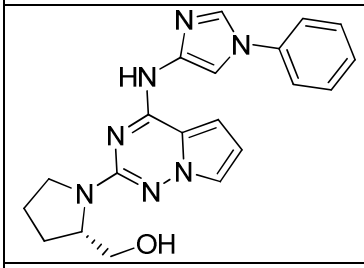
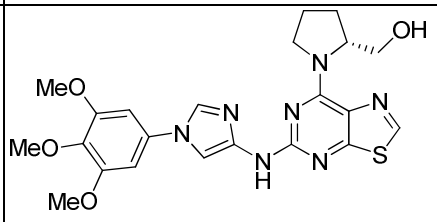
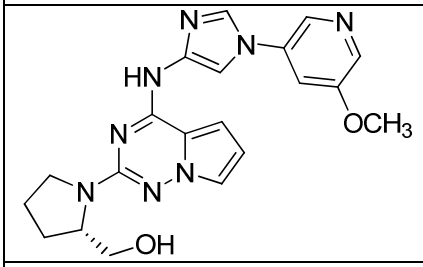
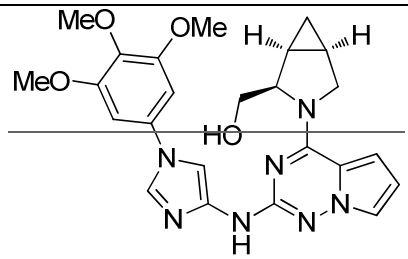
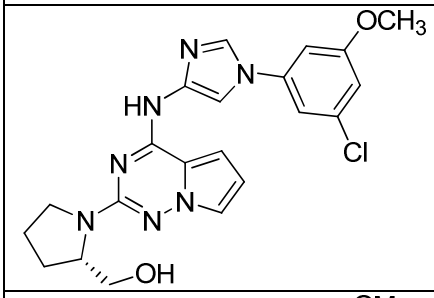
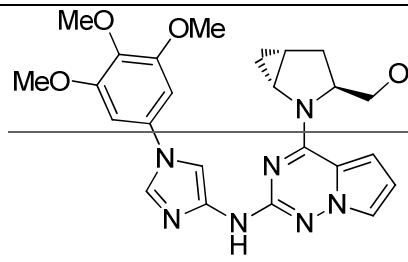
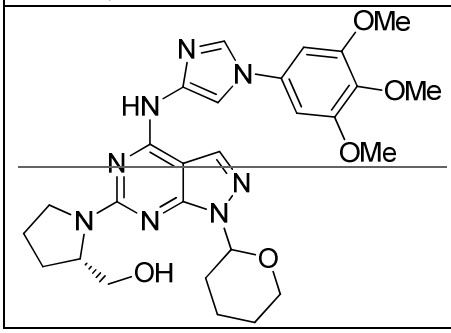
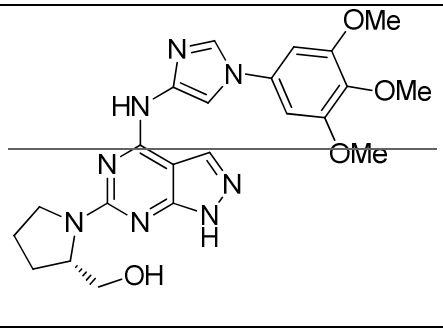
	
	
	
	
	

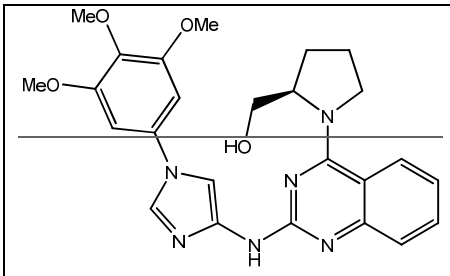
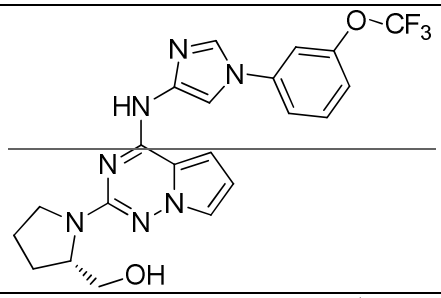
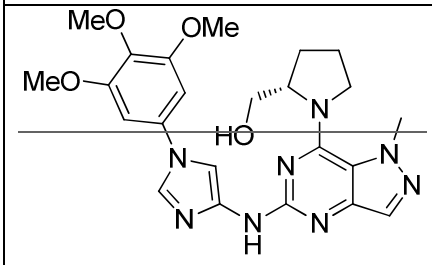
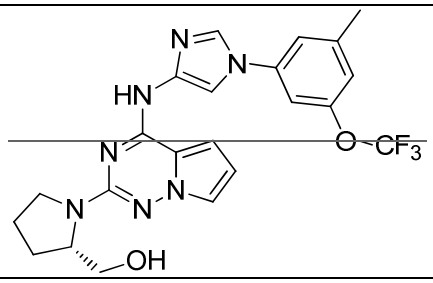
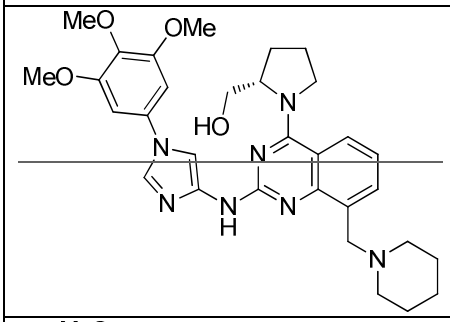
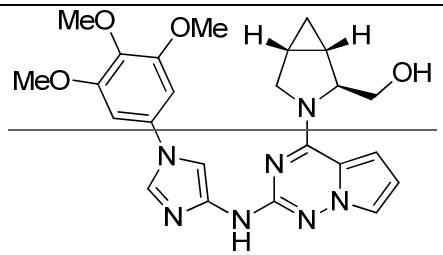
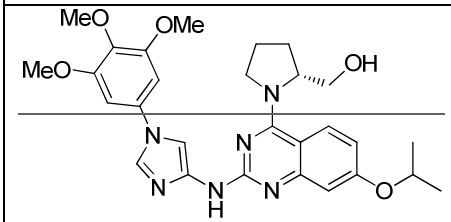
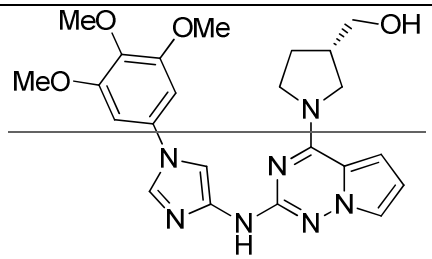
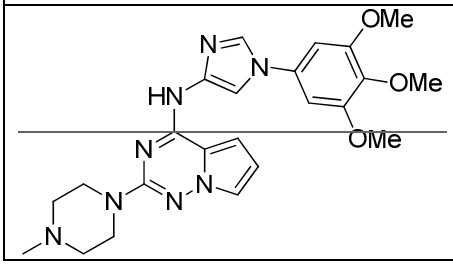
	
	
	
	
	

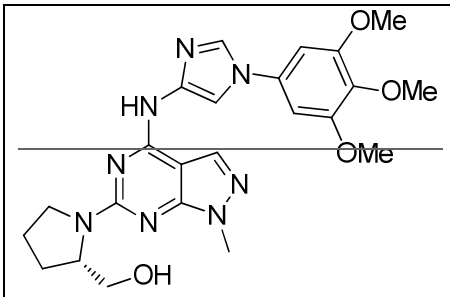
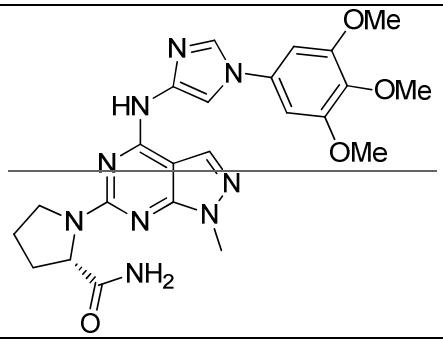
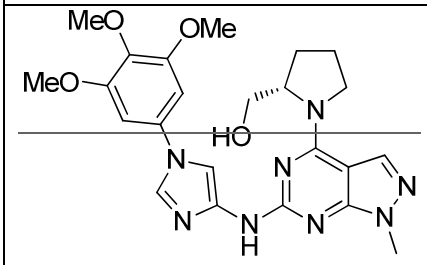
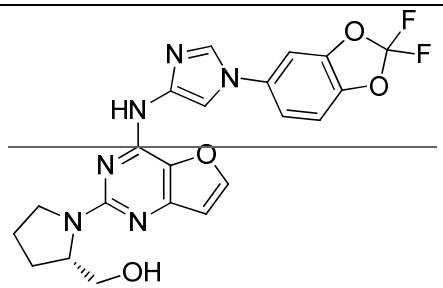
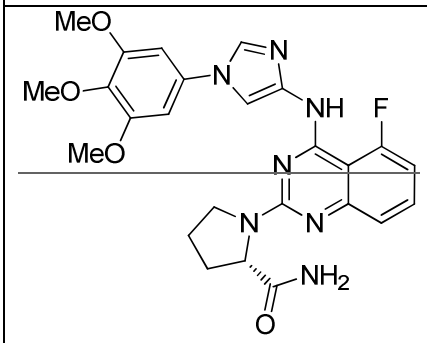
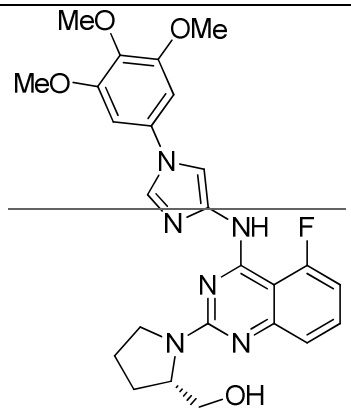
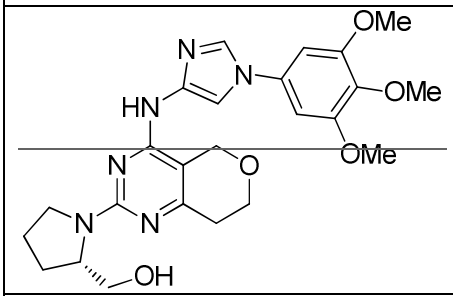
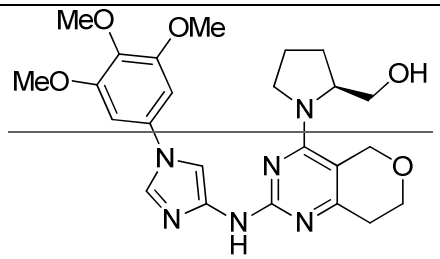
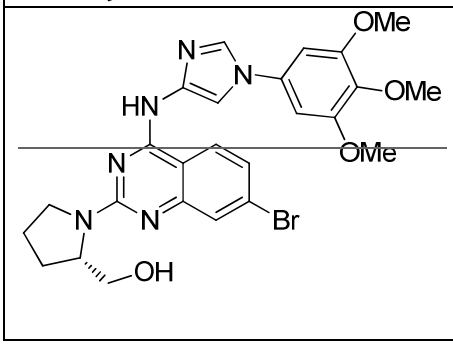
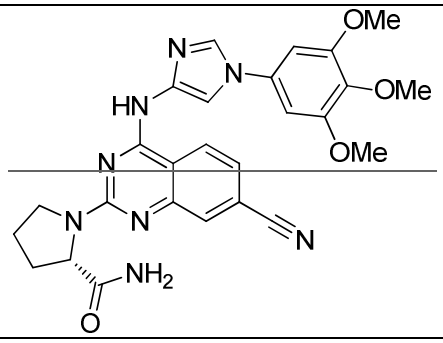
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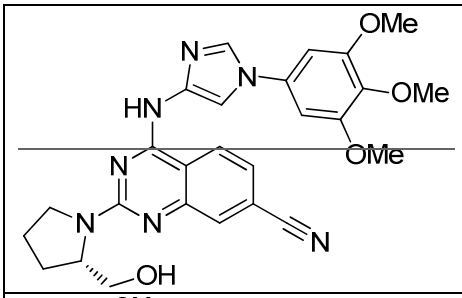
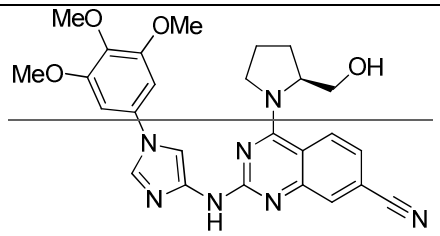
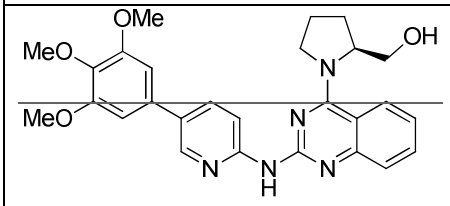
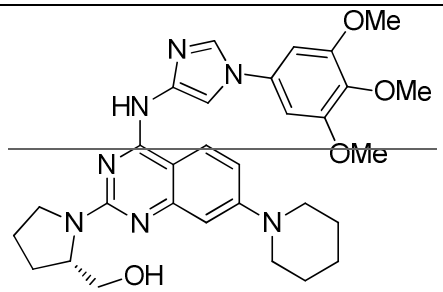
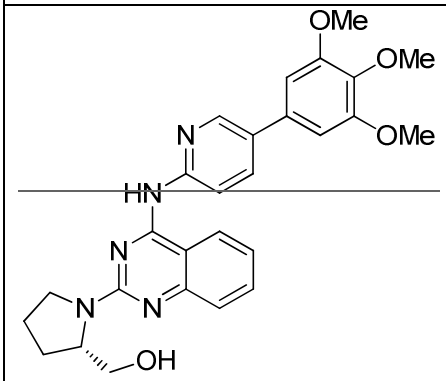
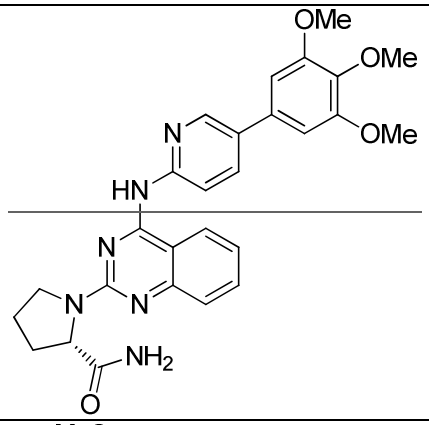
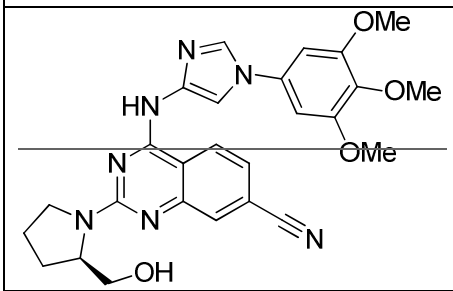
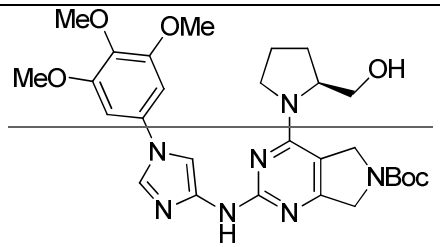
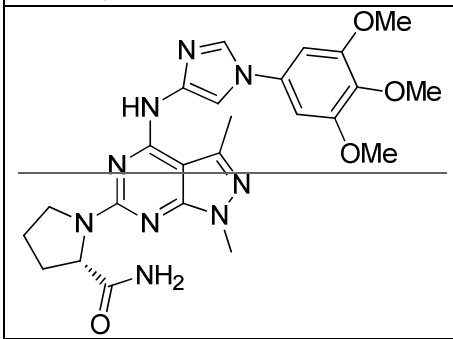
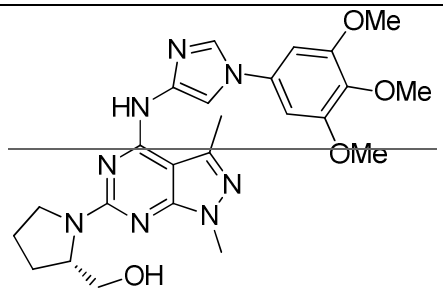
	
	
	
	
	

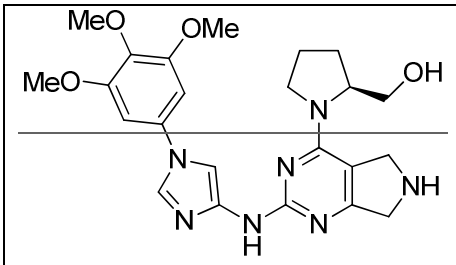
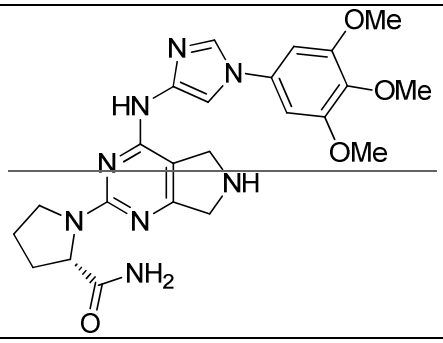
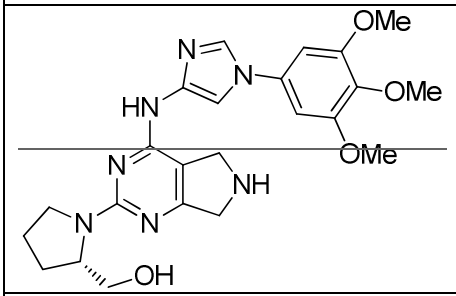
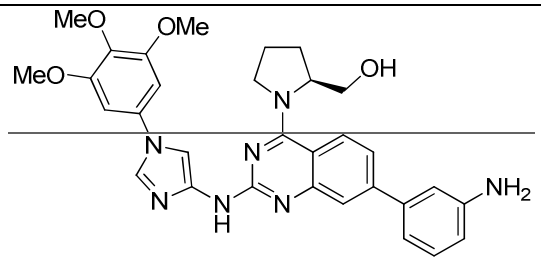
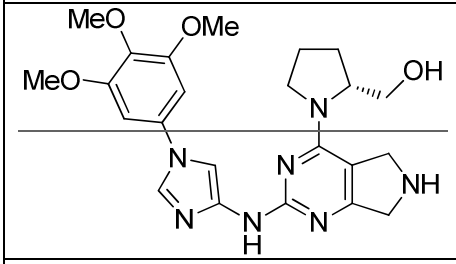
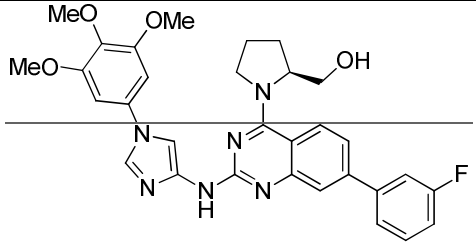
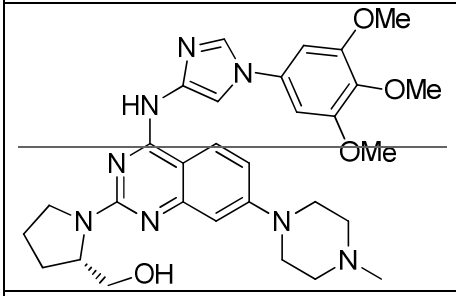
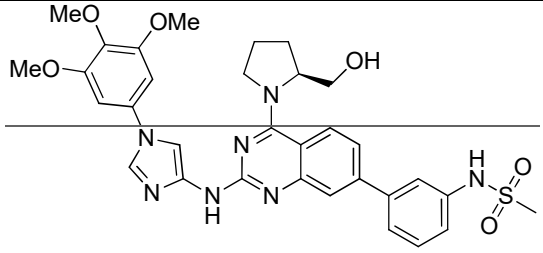
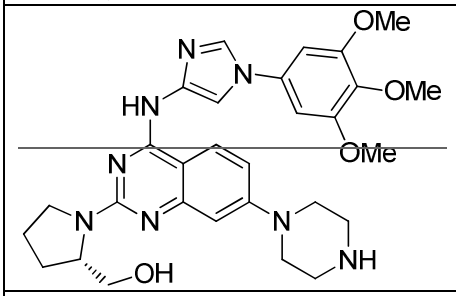
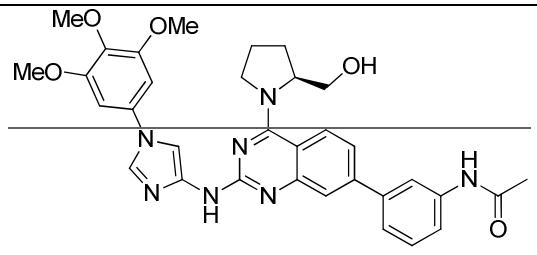
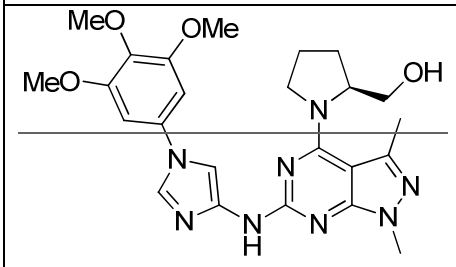
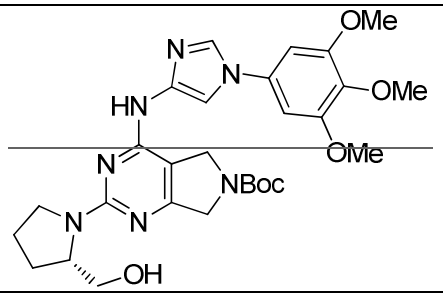
	
	
	
	
	
	

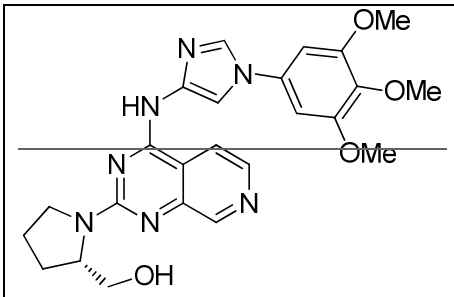
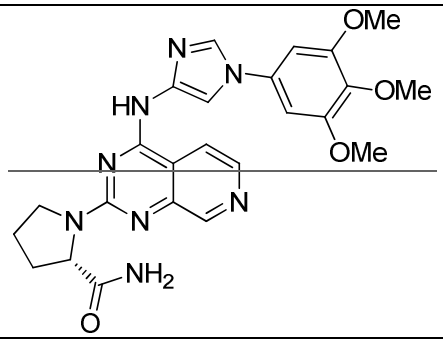
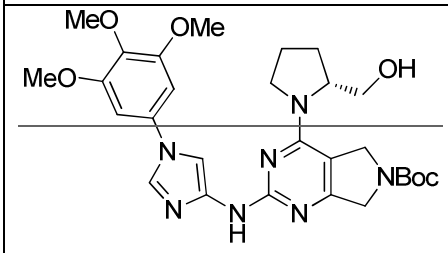
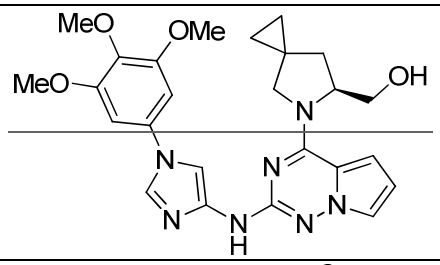
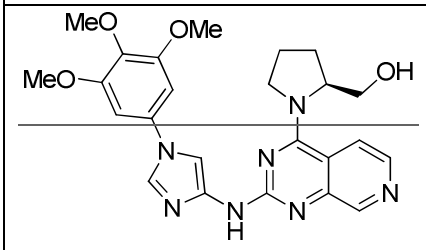
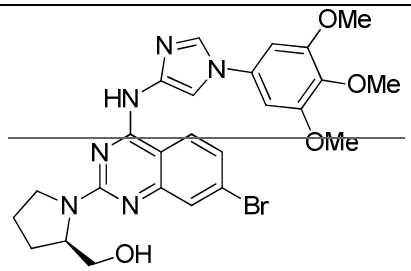
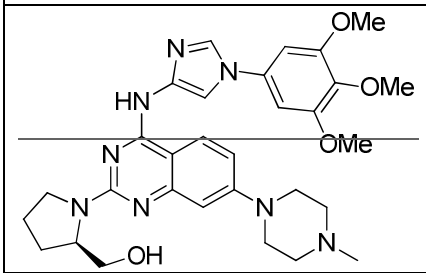
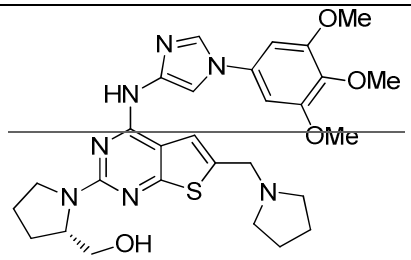
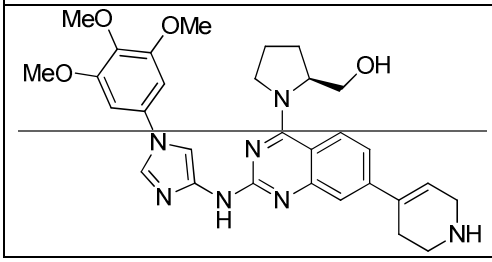
	
	
	
	
	

55. The compound of claim 1, selected from the following table:

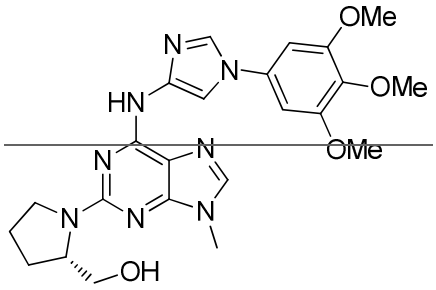
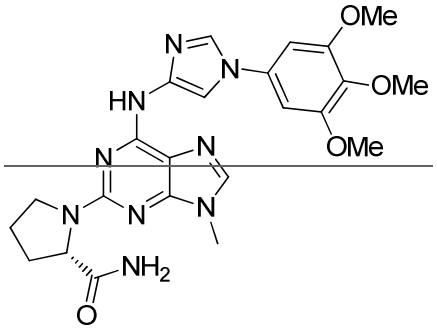
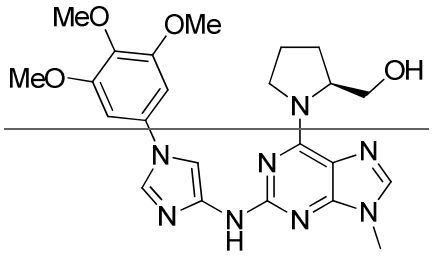
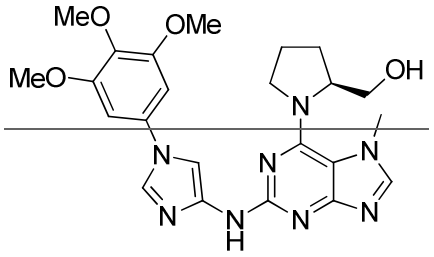
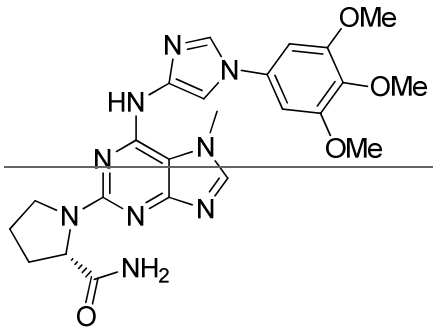
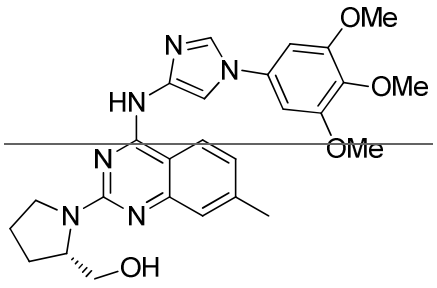
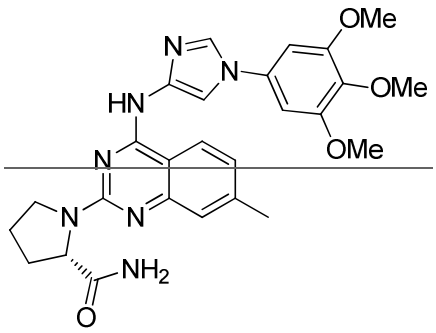
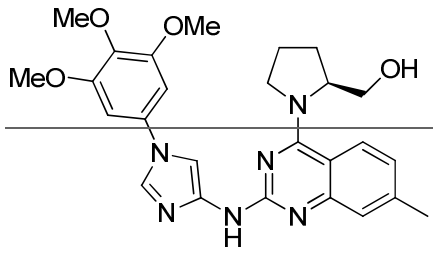
	
	
	
	
	

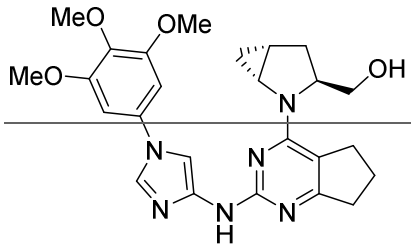
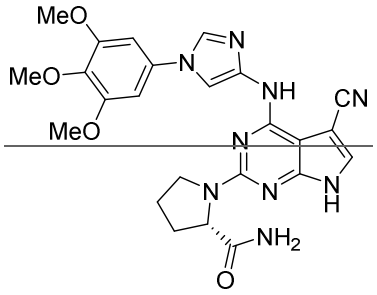
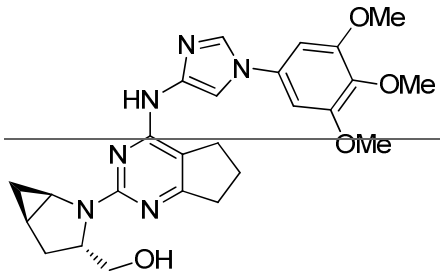
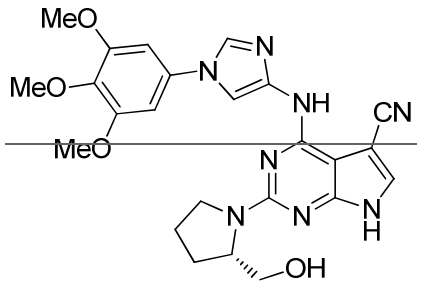
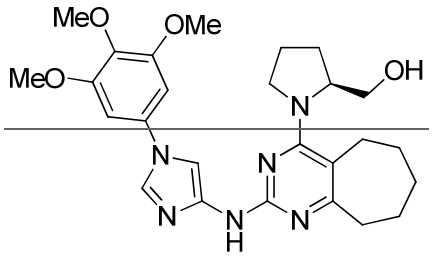
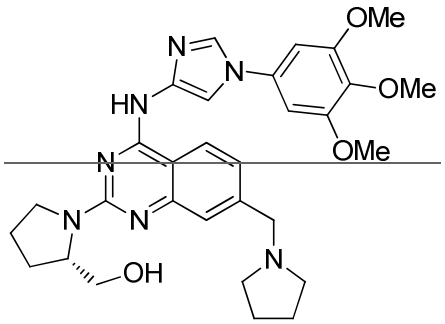
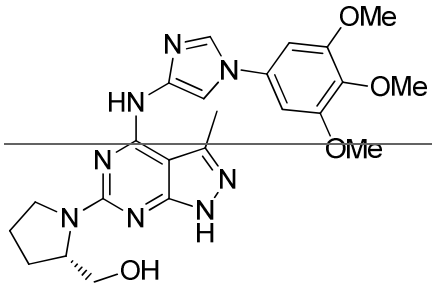
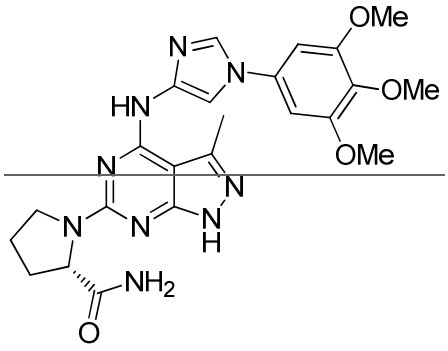
	
	
	
	
	

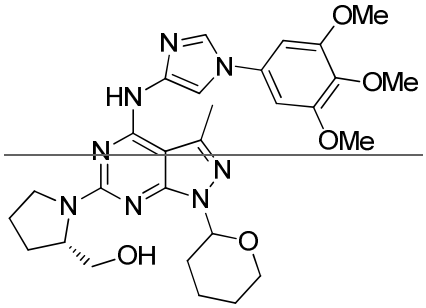
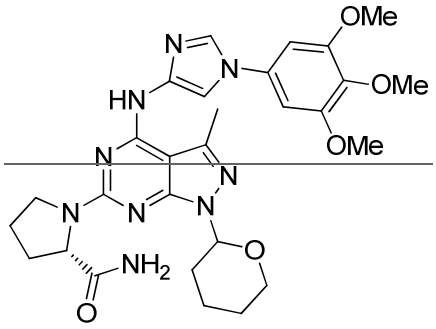
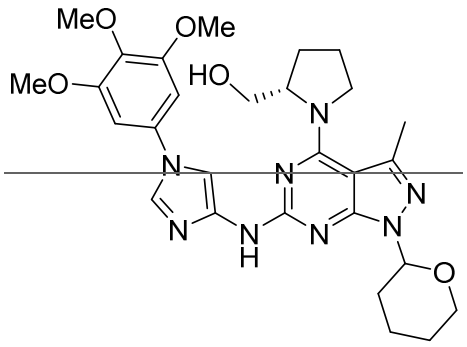
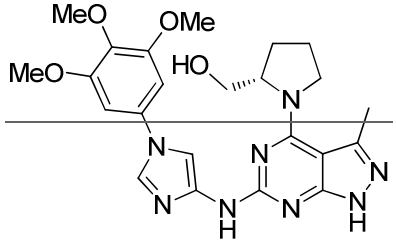
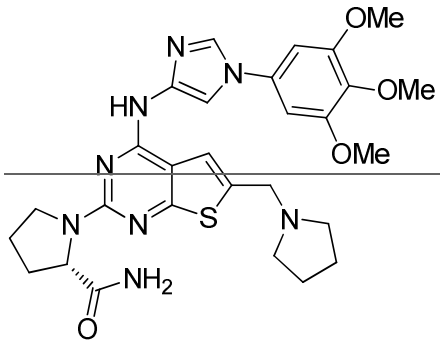
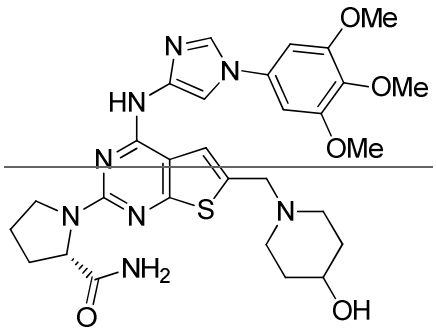
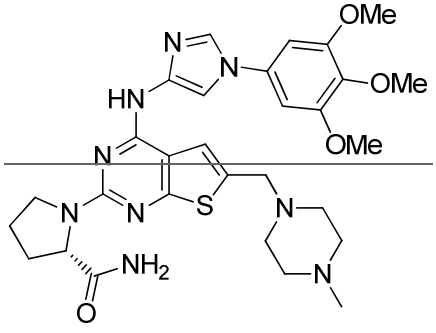
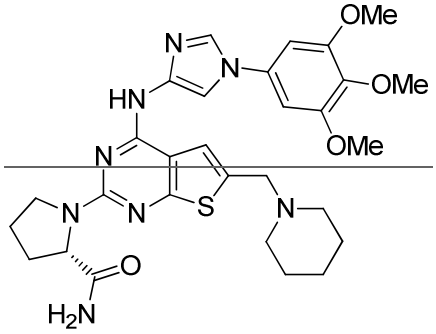
	
	
	
	
	
	

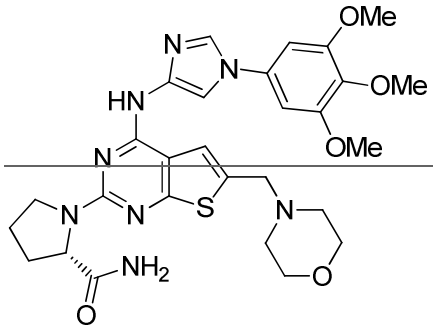
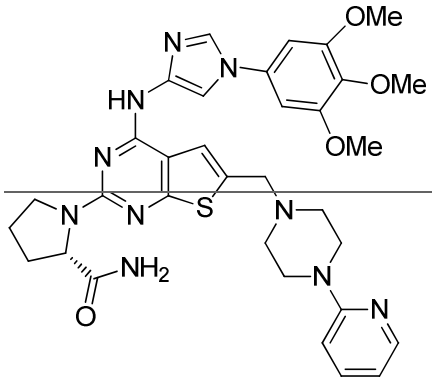
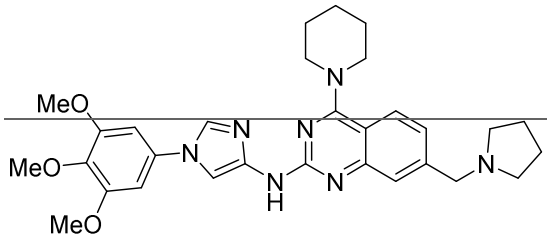
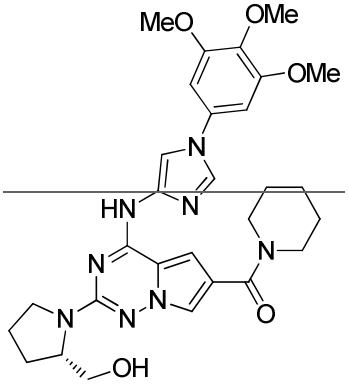
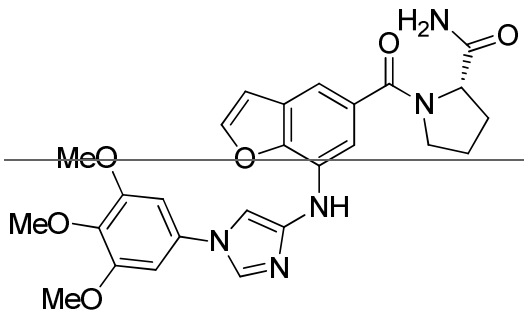
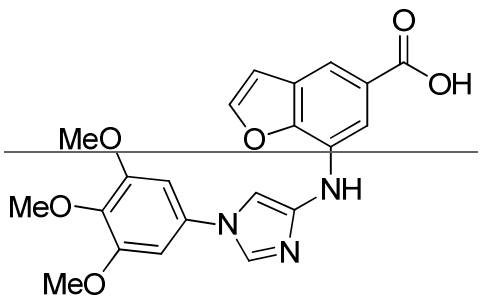
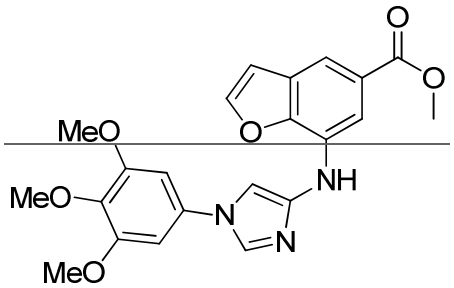
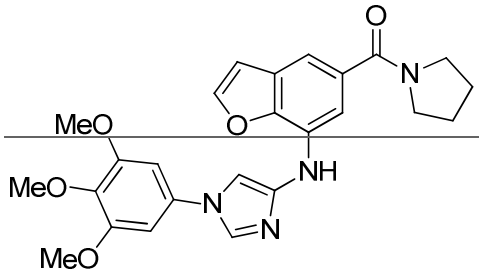
	
	
	
	
	

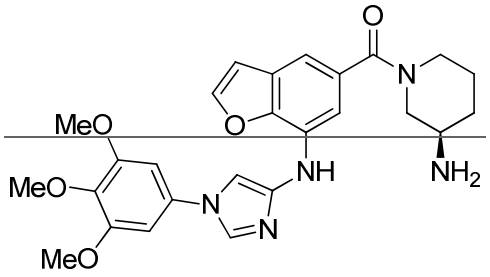
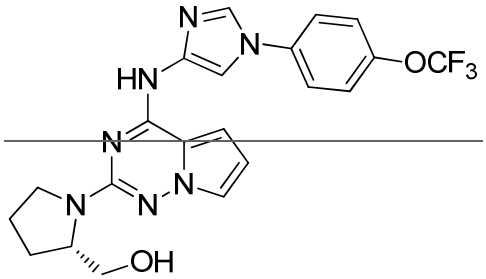
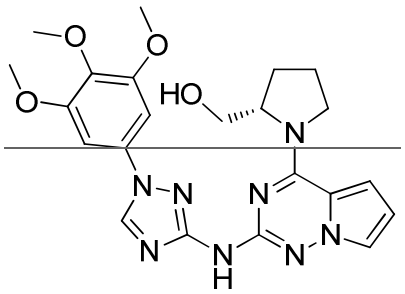
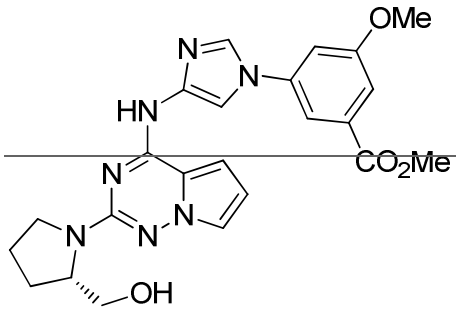
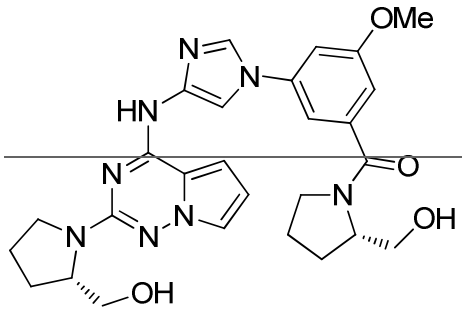
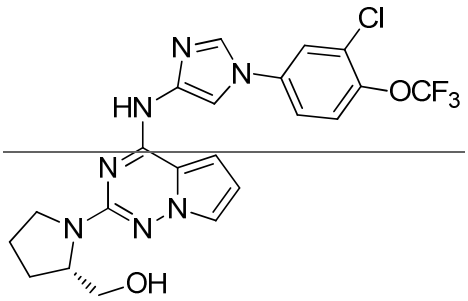
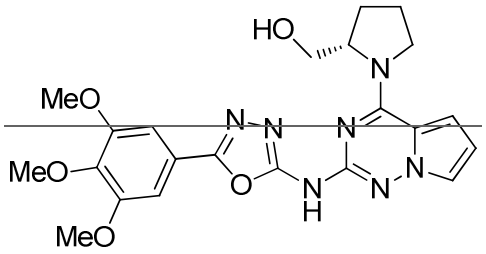
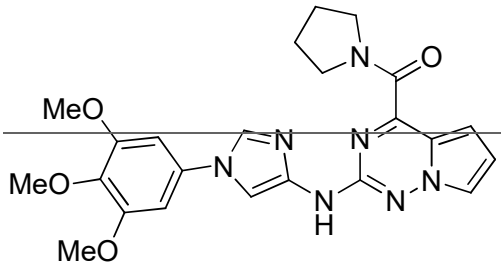
56. ~~The compound of claim 1, selected from the following table:~~

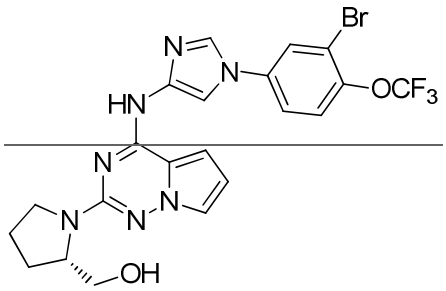
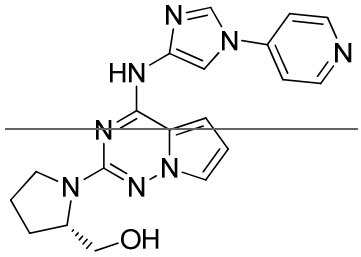
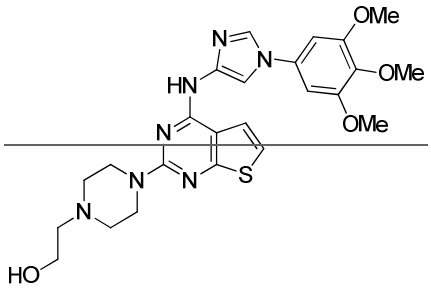
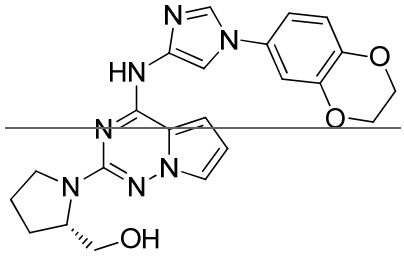
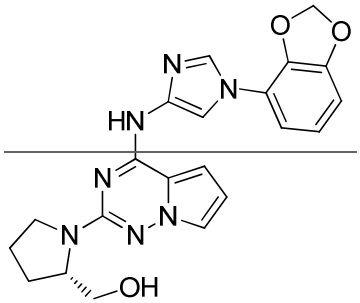
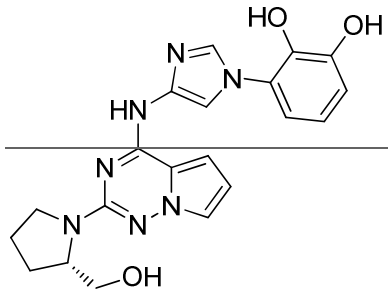
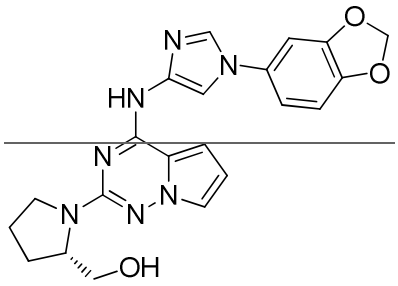
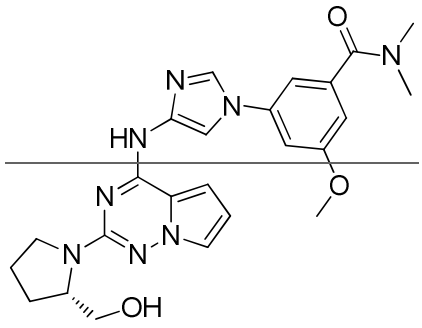
	
	
	
	

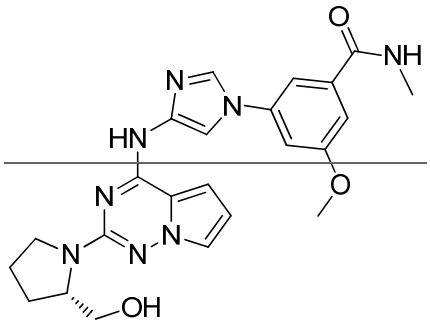
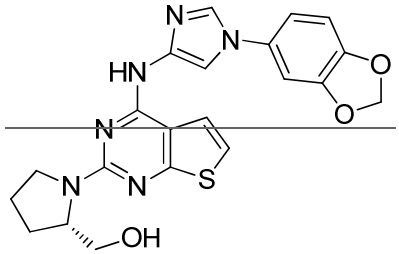
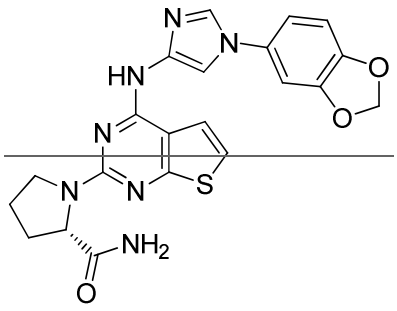
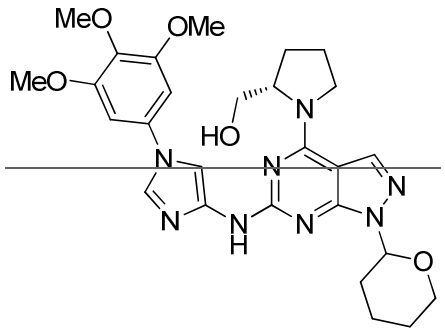
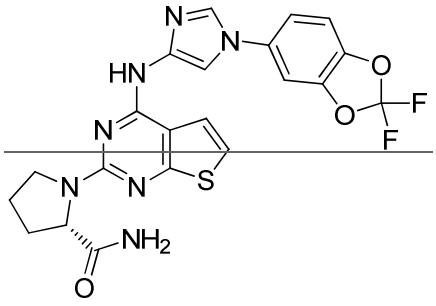
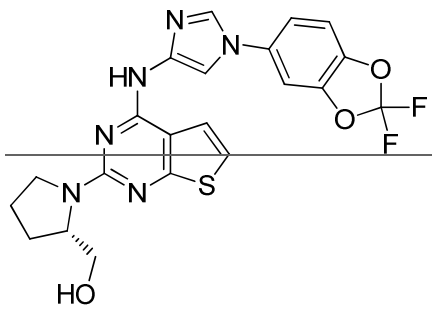
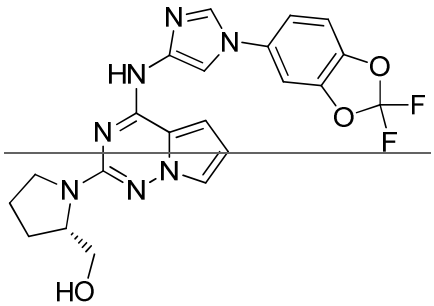
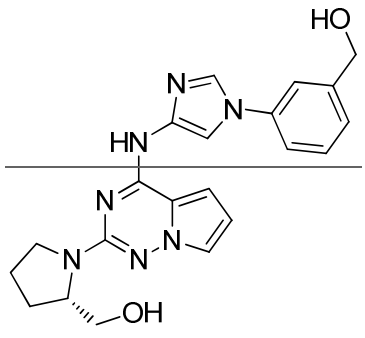
	
	
	
	

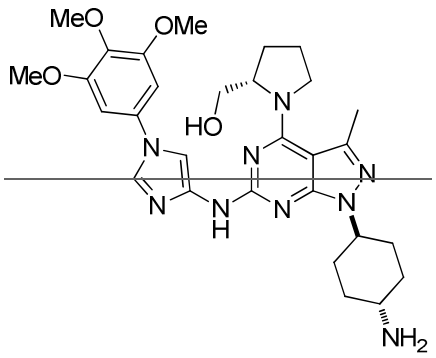
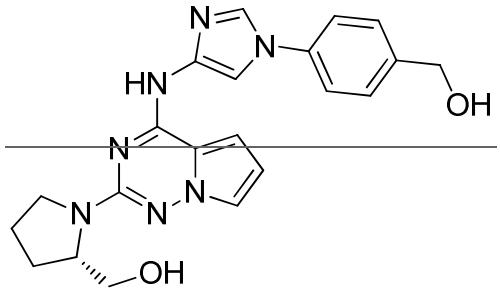
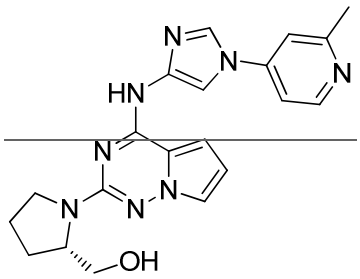
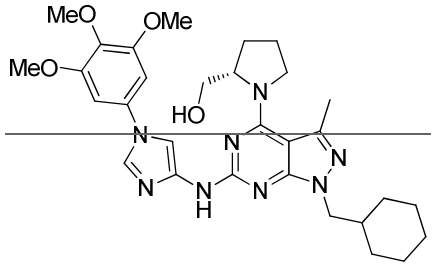
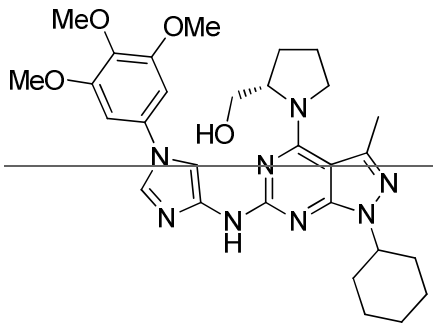
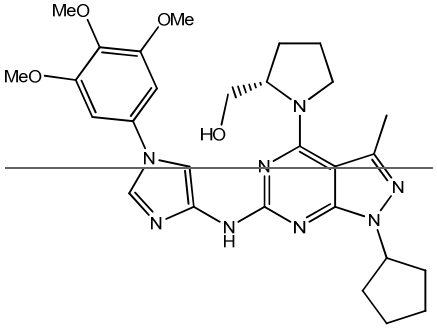
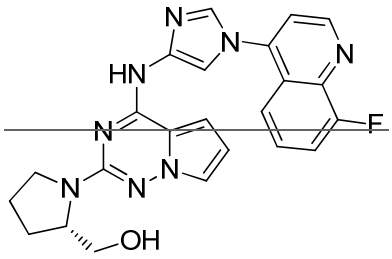
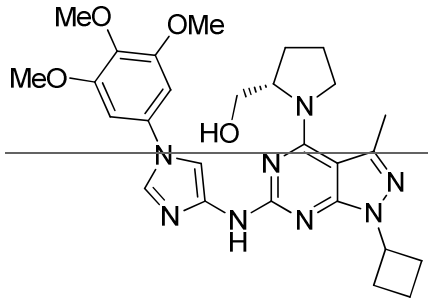
	
	
	
	

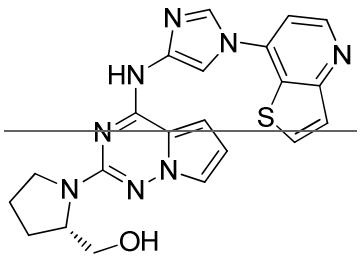
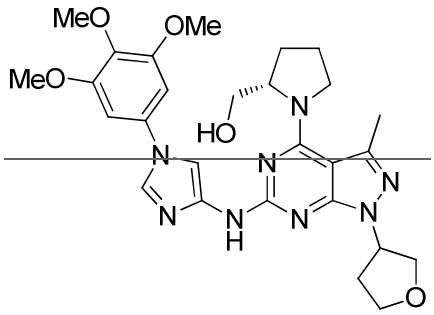
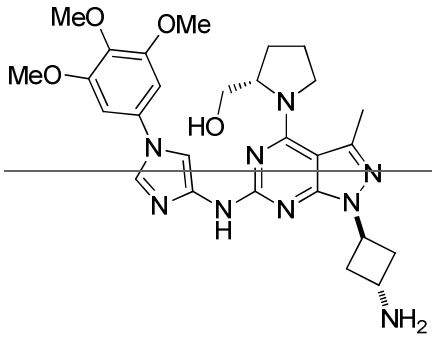
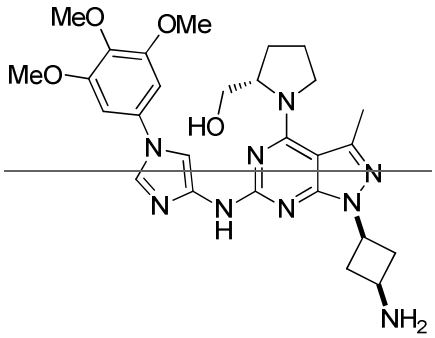
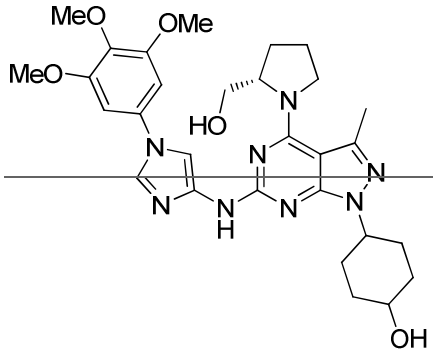
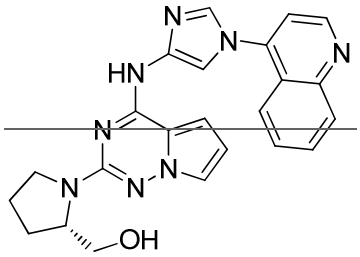
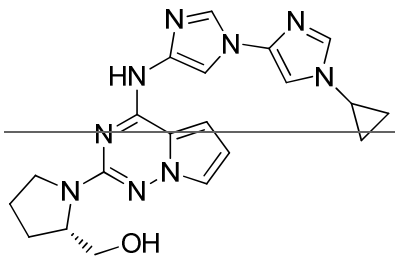
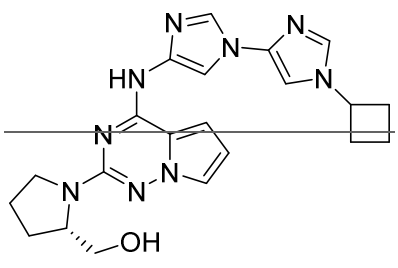
	
	
	
	

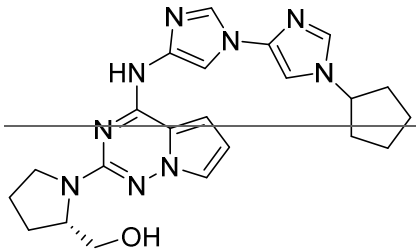
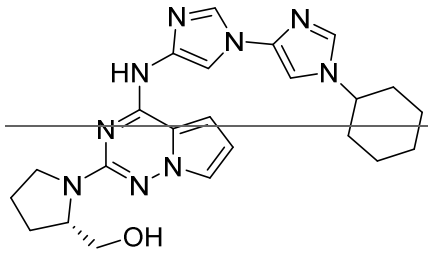
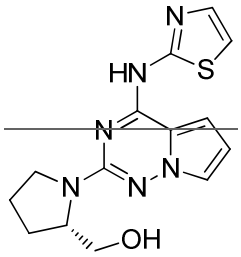
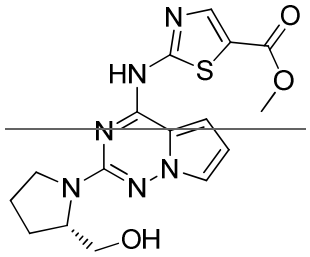
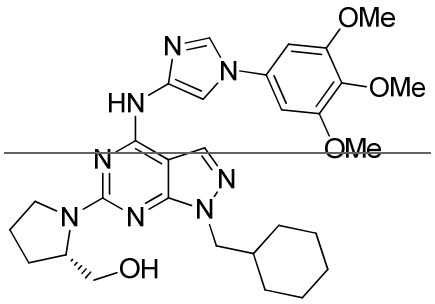
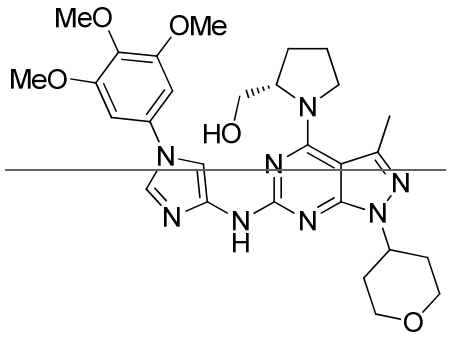
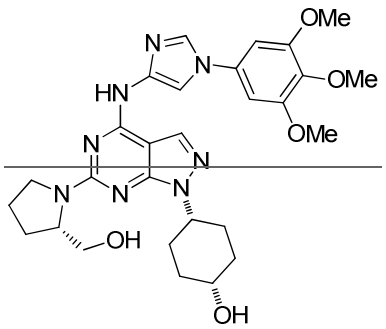
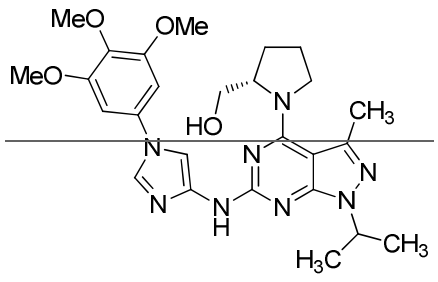
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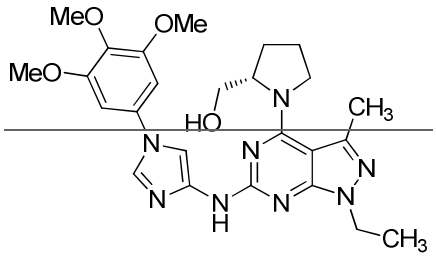
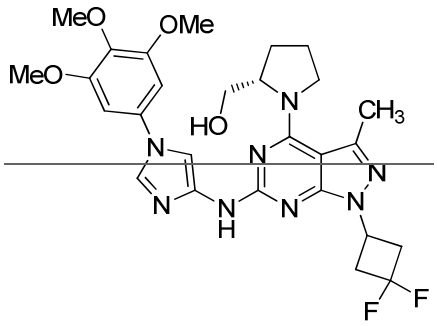
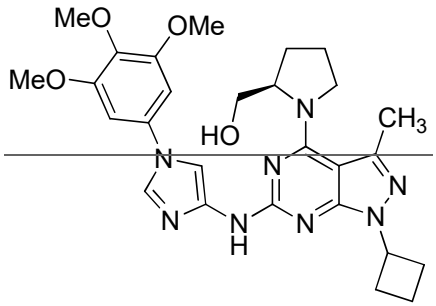
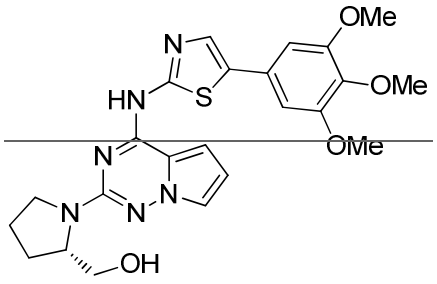
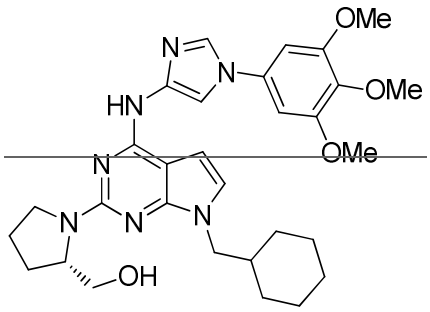
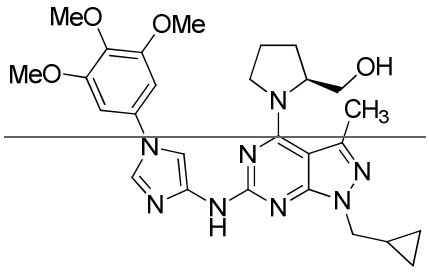
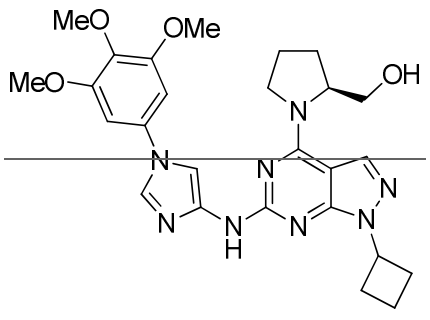
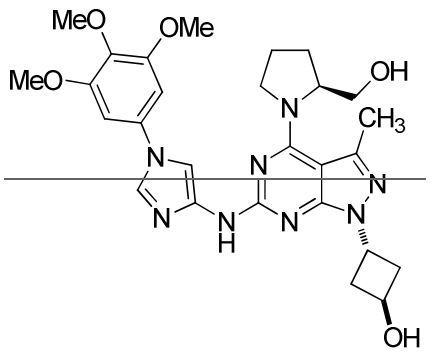
	
	
	
	

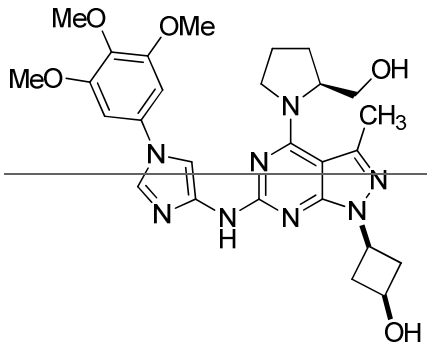
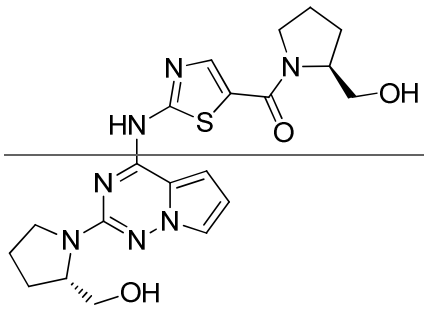
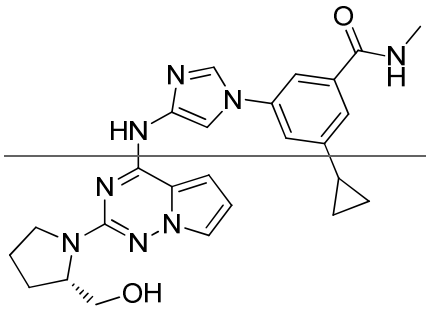
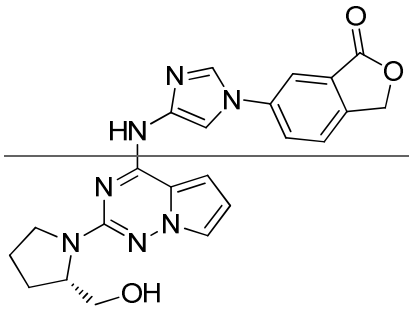
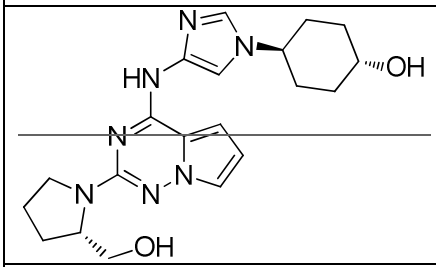
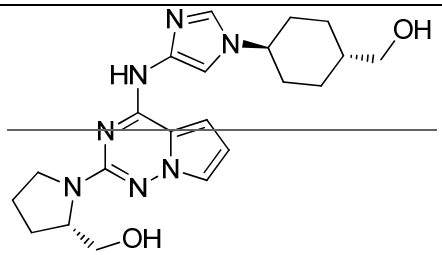
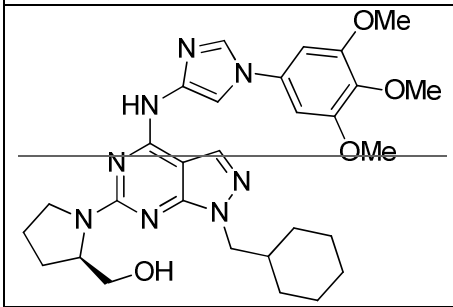
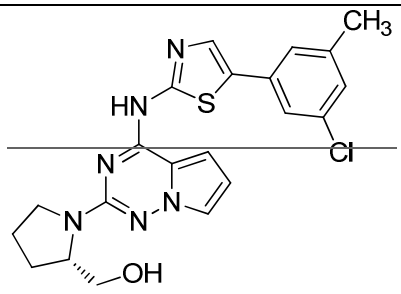
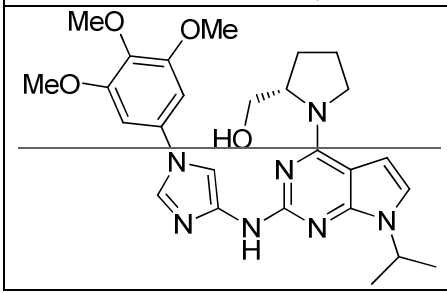
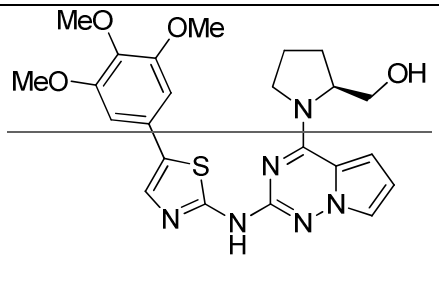
	
	
	
	

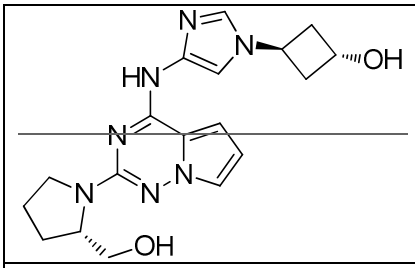
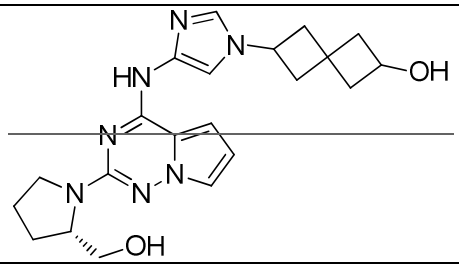
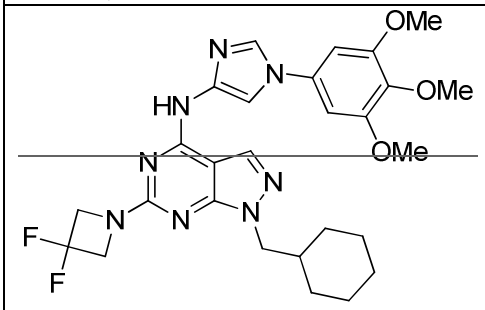
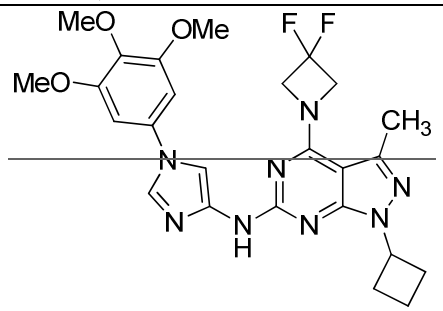
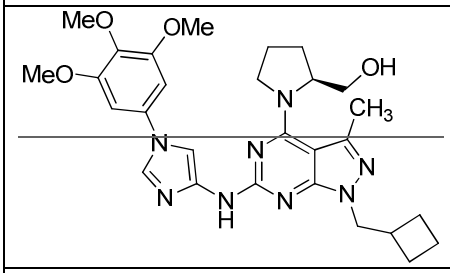
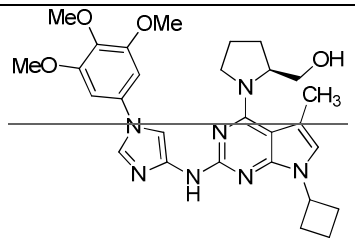
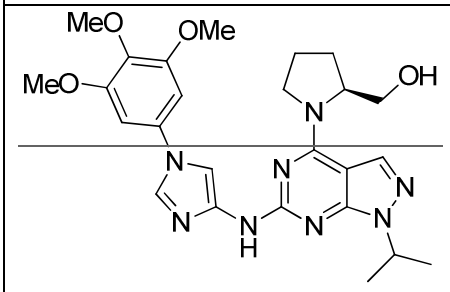
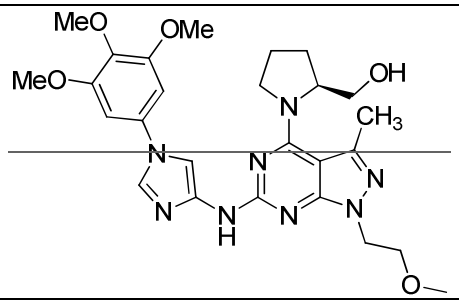
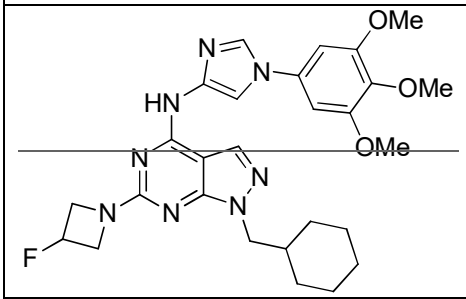
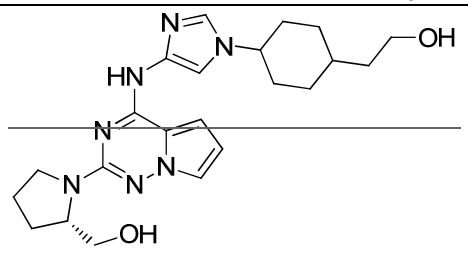
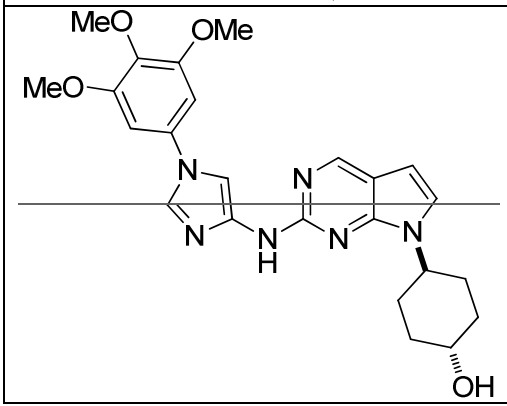
	
	
	
	

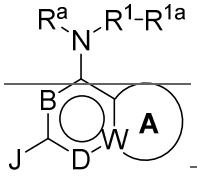
	
	
	
	

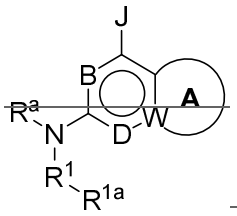
	
	
	
	
	

58. A compound represented by formula (III) or formula (IV):



(III)



(IV)

or a pharmaceutically acceptable salt thereof;

wherein:

A is a fused optionally substituted aromatic ring, heteroaromatic ring, partially unsaturated cycloalkyl ring, or partially unsaturated heterocycloalkyl ring;

W is C or N;

B is CH or N;

D is CH or N;

provided that when B is CH, then D is N; or when D is CH, then B is N;

R^a represents H or alkyl;

R^1 represents heteroarylene;

R^{1a} represents H or optionally substituted –C(O)alkyl, –C(O)aryl, –C(O)heteroaryl, –C(O)O(alkyl), –C(O)(heterocyclyl), –C(O)NR^xR^y, alkyl, cycloalkyl, heterocycloalkyl, aryl, or heteroaryl;

J represents H, halo, $-OR^2$, $-NR^2R^3$, $-C(O)NR^2R^3$, –C(O)O(alkyl), –C(O)OH, aryl, or heteroaryl, wherein aryl or heteroaryl is optionally substituted by one or more occurrences of R^{2a};

R^2 represents optionally substituted alkyl, aralkyl, heteroaralkyl, cycloalkyl, heterocycloalkyl, (cycloalkyl)alkyl, (heterocycloalkyl)alkyl, or hydroxyalkyl;

R^3 represents H or alkyl; or

R^2 and R^3, taken together, form a heterocycloalkyl ring, optionally substituted by one or more occurrences of R^{2a};

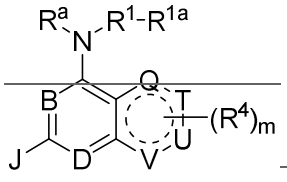
R^{2a}, independently for each occurrence, represents halo, hydroxyl, –C(O)H, oxo, $–NH_2$, $–C(O)NH_2$, –C(O)OH, $–C(O)R^5$, $–C(O)OR^5$, $–C(O)NH(R^5)$, or optionally substituted alkyl, alkoxyl, hydroxyalkyl, heteroaryl, aryl, aryloxy, heteroaryloxy, arylalkyloxy, heteroarylalkyloxy, or $–N(alkyl)_2$;

or any two germinal or vicinal occurrences of R^{2a}, taken together, may form a spiro or fused cycloalkyl ring;

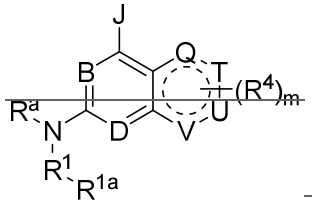
R^5, independently for each occurrence, represents optionally substituted alkyl, aralkyl, aryl, heteroaralkyl, heteroaryl, cycloalkyl, heterocycloalkyl, (cycloalkyl)alkyl, or (heterocycloalkyl)alkyl; and

R^x and R^y each independently represent H, alkyl, aralkyl, heteroaralkyl, aryl, heteroaryl, cycloalkyl, heterocycloalkyl, (cycloalkyl)alkyl, (heterocycloalkyl)alkyl, or hydroxyalkyl.

59. The compound of claim 58, wherein the compound is represented by formula (IIIa) or formula (IVa):



(IIIa)



(IVa);

wherein:

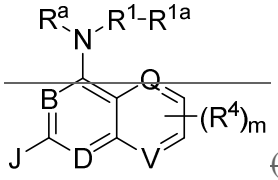
valence permitting, Q, T, U, and V each independently represent CH, CH_2, N, NH, O, or SO_2, wherein any hydrogen of a CH, CH_2, or NH group is optionally replaced by an occurrence of R^4;

R^4, independently for each occurrence, represents halo, cyano, or optionally substituted alkyl, alkenyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkoxy, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocycloalkyl, heterocycloalkenyl, (heterocycloalkyl)alkyl,

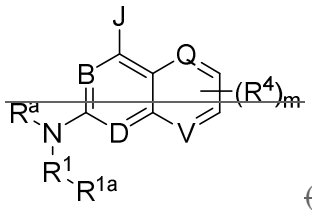
~~cycloalkyl, (cycloalkyl)alkyl, halocycloalkyl, hydroxycycloalkyl, aminocycloalkyl, aryloxy, heteroaryloxy, arylalkyloxy, heteroarylalkyloxy, $-CH_2C(O)NH_2$, $-C(O)R^5$, $-C(O)OR^5$, or $-S(O)_2R^5$;~~

~~m is an integer from 0-4, as permitted by valence.~~

~~60. The compound of claim 59, wherein the compound is represented by formula (IIIb) or (IVb):~~



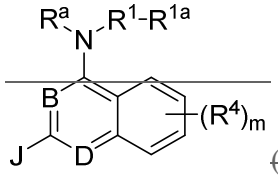
~~(IIIb)~~



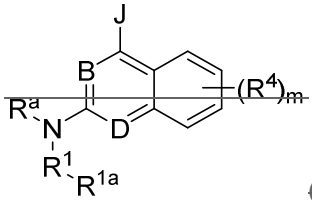
~~(IVb);~~

~~wherein Q represents CH or N; and V represents CH or N.~~

~~61. The compound of claim 59, wherein the compound is represented by formula (IIIc) or (IVc):~~

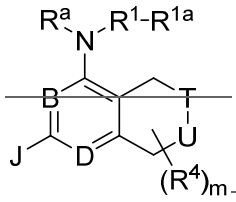


~~(IIIc)~~

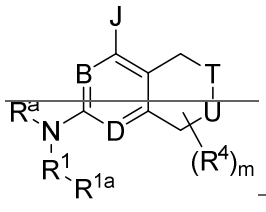


~~(IVc).~~

62. The compound of claim 59, wherein the compound is represented by formula (IIId) or (IVd):



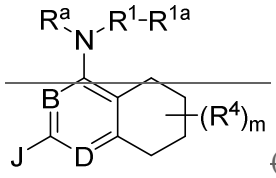
(IIId)



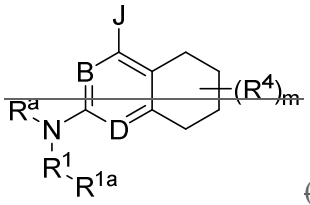
(IVd);

wherein T represents CH_2, NH, O, or SO_2; and U represents CH_2, NH, O, or SO_2.

63. The compound of claim 59, wherein the compound is represented by formula (IIIe) or (IVe):



(IIIe)



(IVe).

64. The compound of claim 60, wherein Q is N; and V is CH.

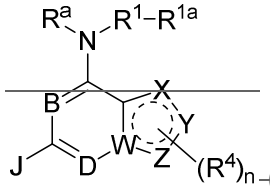
65. The compound of claim 60, wherein Q is CH; and V is N.

66. The compound of claim 62, wherein T is NH; and U is CH_2.

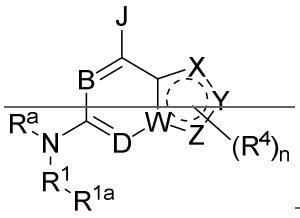
67. The compound of claim 62, wherein T is CH_2; and U is NH.

68. The compound of any one of claims 59-67, wherein m is 0 or 1.

69. The compound of claim 58, wherein the compound is represented by formula (IIIj) or formula (IVj):



(IIIj)



(IVj);

wherein:

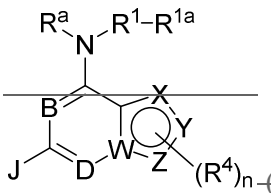
W is C or N;

valence permitting, X, Y, and Z each independently represent CH, CH_2, CO, N, NH, O, S, or SO_2, wherein any hydrogen of a CH, CH_2, or NH group is optionally replaced by an occurrence of R^4;

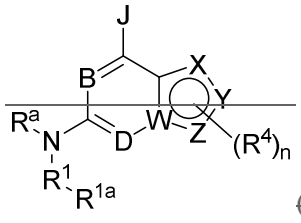
R^4, independently for each occurrence, represents halo, cyano, or optionally substituted alkyl, alkenyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkoxy, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocycloalkyl, heterocycloalkenyl, (heterocycloalkyl)alkyl, cycloalkyl, (cycloalkyl)alkyl, halocycloalkyl, hydroxycycloalkyl, aminocycloalkyl, aryloxy, heteroaryloxy, arylalkyloxy, heteroarylalkyloxy, $-CH_2C(O)NH_2$, $-C(O)R^5$, $-C(O)OR^5$, or $-S(O)_2R^5$;

n is an integer from 0-4, as permitted by valence.

70. The compound of claim 69, wherein the compound is represented by formula (IIIk) or (IVk):



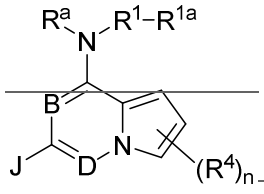
(IIIk)



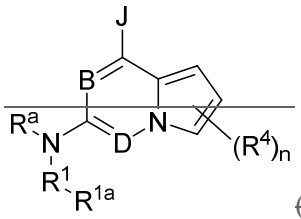
~~(IVk);~~

~~wherein X, Y, and Z each independently represent CH, N, NH, O, S, or SO_2.~~

~~71. The compound of claim 70, wherein the compound is represented by formula (IIIk') or (IVk'):~~

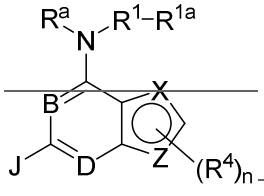


~~(IIIk')~~

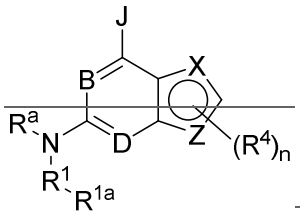


~~(IVk').~~

~~72. The compound of claim 70, wherein the compound is represented by formula (IIIk") or (IVk"):~~



~~(IIIk")~~



~~(IVk");~~

~~wherein at least one of X and Z is selected from the group consisting of O, N, NH, and S.~~

~~73. The compound of claim 72, wherein one of X and Z is selected from the group consisting of O, NH, and S; and the other of X and Z is CH.~~

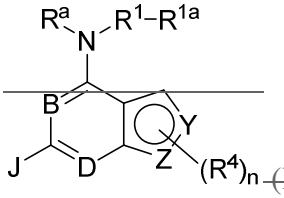
~~74. The compound of claim 72 or 73, wherein X is selected from the group consisting of O, NH, and S.~~

~~75. The compound of claim 72 or 73, wherein Z is selected from the group consisting of O, NH, and S.~~

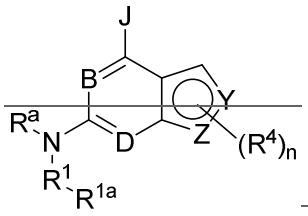
~~76. The compound of claim 72, wherein each of X and Z are selected from the group consisting of O, N, NH, and S.~~

~~77. The compound of claim 76, wherein one of X and Z is N and the other of X and Z is NH.~~

~~78. The compound of claim 70, wherein the compound is represented by formula (IIIn) or (IVn):~~



~~(IIIn)~~

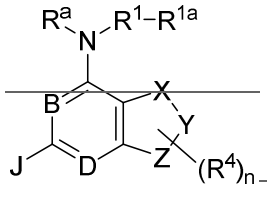


~~(IVn)~~

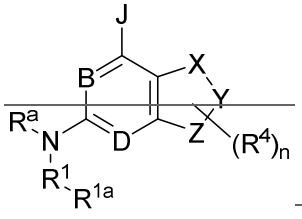
~~wherein each of Y and Z are selected from the group consisting of O, N, NH, and S.~~

~~79. The compound of claim 78, wherein Y is N and Z is NH.~~

~~80. The compound of claim 69, wherein the compound is represented by formula (IIIm) or (IVm):~~



(IIIm)



(IVm);

wherein X, Y, and Z each independently represent CH_2, CO, NH, O, S, or SO_2.

81. The compound of claim 80, wherein each of X, Y, and Z is CH_2.

82. The compound of claim 80, wherein one of X, Y, and Z is N or O.

83. The compound of any one of claims 69-82, wherein n is 0 or 1.

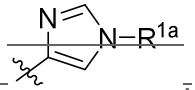
84. The compound of any one of claims 58-83, wherein R^4, if present, is selected from the group consisting of optionally substituted alkyl, hydroxyalkyl, aminoalkyl, alkoxy, aryl, aralkyl, and (heterocycloalkyl)alkyl.

85. The compound of any one of claims 58-84, wherein R^a is H.

86. The compound of any one of claims 58-85, wherein R^1 is a nitrogen-containing heteroarylene.

87. The compound of any one of claims 58-86, wherein R^1 is a 5-membered nitrogen-containing heteroarylene.

88. The compound of any one of claims 58-87, wherein R^1 is imidazolene.

89. The compound of any one of claims 58-88, wherein R^1-R^{1a} represents 

.

90. The compound of any one of claims 58-89, wherein R^{1a} is H.

91. The compound of any one of claims 58-89, wherein R^{1a} is optionally substituted phenyl.

92. The compound of any one of claims 58-89, wherein R^{1a} is phenyl, substituted by one or more occurrences of halo, hydroxyl, cyano, -C(O)NH_2, hydroxylalkyl, haloalkyl, alkoxy, haloalkoxy, cycloalkyl, -C(O)alkyl, -C(O)O-alkyl, heterocycloalkyl, -C(O)NH(alkyl), -C(O)N(alkyl)$_2$, -C(O)heterocycloalkyl, -C(O)(prolinol), -C(O)NH((cycloalkyl)alkyl), or -C(O)NH(cycloalkyl).

93. The compound of any one of claims 58-89, wherein R^{1a} is phenyl, substituted by two or more occurrences of alkoxy.

94. The compound of claim 93, wherein R^{1a} is 3,4,5-trimethoxyphenyl.

95. The compound of any one of claims 58-89, wherein R^{1a} is substituted phenyl, wherein two adjacent substituents on the phenyl, taken together with the intervening atoms, form an optionally-substituted cycloalkyl or heterocycloalkyl ring.

96. The compound of any one of claims 58-89, wherein R^{1a} is optionally substituted heteroaryl, such as quinoline.

97. The compound of any one of claims 58-96, wherein J is aryl, optionally substituted by one or more occurrences of R^{2a}.

98. The compound of any one of claims 58-96, wherein J is $-NR^2R^3$.

99. The compound of claim 98, wherein R^2 and R^3, taken together, form a heterocycloalkyl ring, optionally substituted by one or more occurrences of R^{2a}.

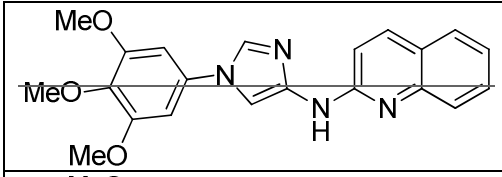
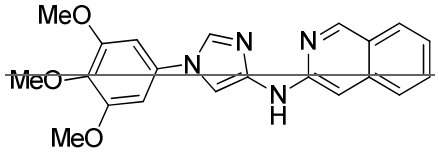
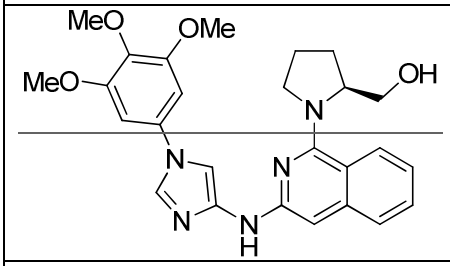
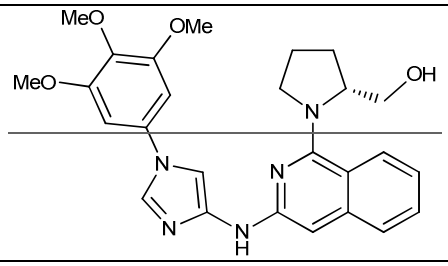
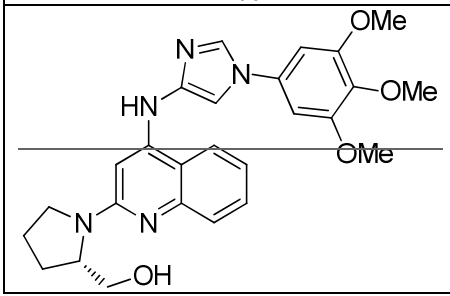
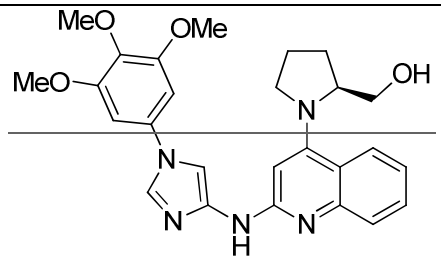
100. The compound of claim 99, wherein R^2 and R^3, taken together, form a pyrrolidine ring, optionally substituted by one or more occurrences of R^{2a}.

101. The compound of any one of claims 97-100, wherein R^{2a}, independently for each occurrence, represents -C(O)NH_2, -C(O)R^5, hydroxyalkyl, heteroaryl, or aryl.

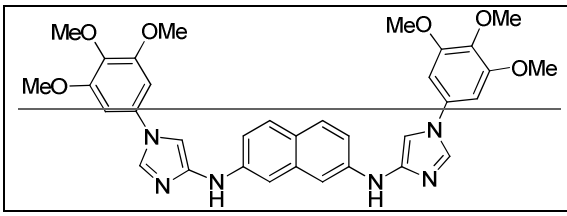
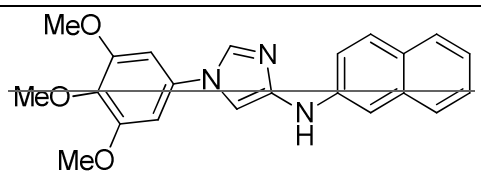
102. The compound of any one of claims 97-101, wherein R^{2a} is -C(O)NH_2.

103. The compound of any one of claims 97-101, wherein R^{2a} is hydroxyalkyl.

104. The compound of claim 58, selected from the following table:

105. A compound, or a pharmaceutically acceptable salt thereof, selected from the following table:

106. A pharmaceutical composition, comprising a compound of any one of claims 1-105, or a pharmaceutically acceptable salt thereof; and a pharmaceutically acceptable excipient.

107. A method of inhibiting ALK2 kinase, comprising administering to a subject in need thereof an effective amount of a compound of any one of claims 1-105, or a pharmaceutically acceptable salt thereof.

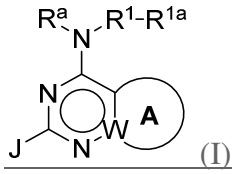
108. A method of treating fibrodysplasia ossificans progressiva, comprising administering to a subject in need thereof a therapeutically effective amount of a compound of any one of claims 1-105, or a pharmaceutically acceptable salt thereof.

~~109. A method of treating cancer, comprising administering to a subject in need thereof a therapeutically effective amount of a compound of any one of claims 1-105, or a pharmaceutically acceptable salt thereof.~~

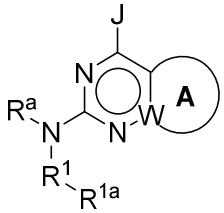
~~110. The method of claim 109, wherein the cancer is a glioma.~~

~~111. The method of claim 110, wherein the glioma is diffuse intrinsic pontine glioma.~~

1. A compound represented by formula (I) or formula (II):



(I)



(II);

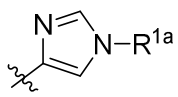
or a pharmaceutically acceptable salt thereof;

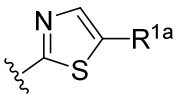
wherein:

A is a fused aromatic ring, heteroaromatic ring, partially unsaturated cycloalkyl ring, or partially unsaturated heterocycloalkyl ring optionally substituted by one or more occurrences of R^4;

W is C or N;

R^a represents H or alkyl;

$-R^1-R^{1a}$ represents 

or 

, wherein R^{1a} represents phenyl substituted by two or more occurrences of alkoxy, and the phenyl is further optionally substituted;

J represents H, halo, $-OR^2$, $-NR^2R^3$, $-C(O)NR^2R^3$, -C(O)O(alkyl), -C(O)OH, aryl, or heteroaryl, wherein aryl or heteroaryl is optionally substituted by one or more occurrences of R^{2a};

R^2 represents optionally substituted alkyl, aralkyl, heteroaralkyl, cycloalkyl, heterocycloalkyl, (cycloalkyl)alkyl, (heterocycloalkyl)alkyl, or hydroxyalkyl;

R^3 represents H or alkyl; or

R^2 and R^3, taken together, form a heterocycloalkyl ring, optionally substituted by one or more occurrences of R^{2a};

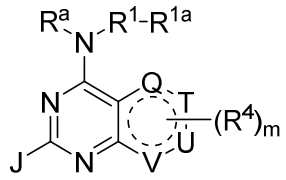
R^{2a}, independently for each occurrence, represents halo, hydroxyl, -C(O)H, oxo, $-NH_2$, $-C(O)NH_2$, -C(O)OH, $-C(O)R^5$, $-C(O)OR^5$, $-C(O)NH(R^5)$, or optionally substituted alkyl, alkoxyl, hydroxyalkyl, heteroaryl, aryl, aryloxy, heteroaryloxy, arylalkyloxy, heteroarylalkyloxy, or $-N(alkyl)_2$;

or any two geminal or vicinal occurrences of R^{2a}, taken together, may form a spiro or fused cycloalkyl ring;

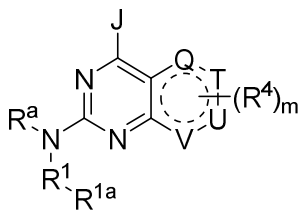
R^4, independently for each occurrence, represents halo, cyano, or optionally substituted alkyl, alkenyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkoxy, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocycloalkyl, heterocycloalkenyl, (heterocycloalkyl)alkyl, cycloalkyl, (cycloalkyl)alkyl, halocycloalkyl, hydroxycycloalkyl, aminocycloalkyl, aryloxy, heteroaryloxy, arylalkyloxy, heteroarylalkyloxy, $-CH_2C(O)NH_2$, $-C(O)R^5$, $-C(O)OR^5$, or $–S(O)_2R^5$; and

R^5, independently for each occurrence, represents optionally substituted alkyl, aralkyl, aryl, heteroaralkyl, heteroaryl, cycloalkyl, heterocycloalkyl, (cycloalkyl)alkyl, or (heterocycloalkyl)alkyl.

2. The compound of claim 1, wherein the compound is represented by formula (Ia) or formula (IIa):



(Ia)



(IIa);

wherein:

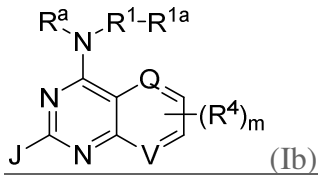
valence permitting, Q, T, U, and V each independently represent CH, CH_2, N, NH, O, or SO_2, wherein any hydrogen of a CH, CH_2, or NH group is optionally replaced by an occurrence of R^4;

R^4, independently for each occurrence, represents halo, cyano, or optionally substituted alkyl, alkenyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkoxy, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocycloalkyl, heterocycloalkenyl, (heterocycloalkyl)alkyl, cycloalkyl, (cycloalkyl)alkyl, halocycloalkyl, hydroxycycloalkyl, aminocycloalkyl, aryloxy, heteroaryloxy, arylalkyloxy, heteroarylalkyloxy, $-CH_2C(O)NH_2$, $-C(O)R^5$, $-C(O)OR^5$, or $-S(O)_2R^5$; and

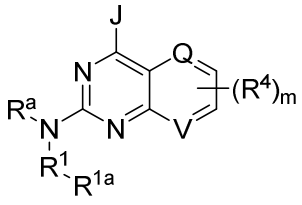
m is an integer from 0-4, as permitted by valence.

3. The compound of claim 2, wherein the compound is represented by:

(a) formula (Ib) or (IIb):



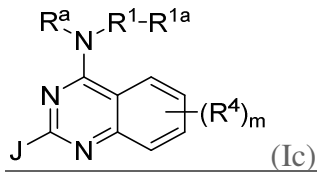
(Ib)



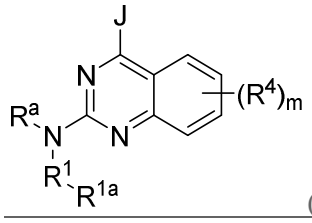
(IIb),

wherein Q represents CH or N, and V represents CH or N;

(b) formula (Ic) or (IIc):

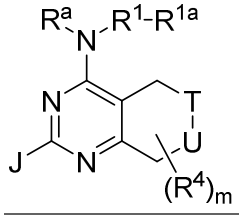


(Ic)

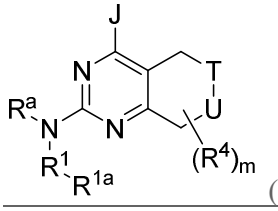


(IIc);

(c) formula (Id) or (IId):



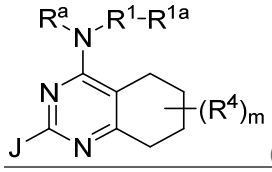
(Id)



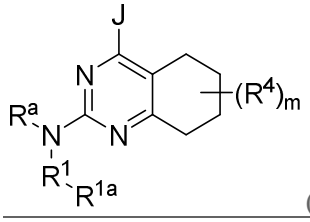
(IId),

wherein T represents CH_2, NH, O, or SO_2, and U represents CH_2, NH, O, or SO_2; or

(d) formula (Ie) or (IIe):



(Ie)

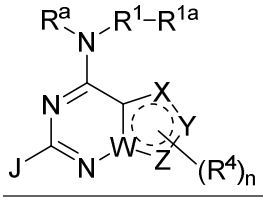


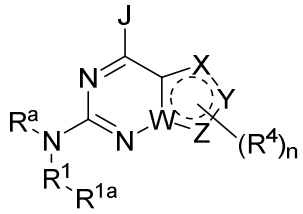
(IIe).

4. The compound of claim 3, wherein the compound is represented by formula (Ib) or (IIb); and wherein Q is N; and V is CH; or wherein Q is CH; and V is N.

5. The compound of claim 3, wherein the compound is represented by formula (Id) or (IId); and wherein T is NH; and U is CH_2; or wherein T is CH_2; and U is NH.

6. The compound of claim 1, wherein the compound is represented by formula (Ij) or formula (IIj):


(Ij)


(IIj);

wherein:

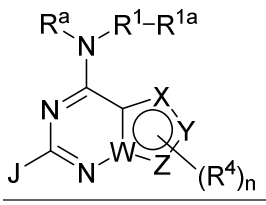
W is C or N;

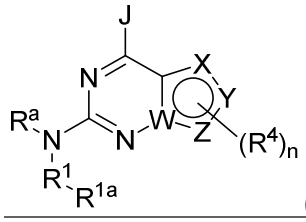
valence permitting, X, Y, and Z each independently represent CH, CH_2, CO, N, NH, O, S, or SO_2, wherein any hydrogen of a CH, CH_2, or NH group is optionally replaced by an occurrence of R^4;

R^4, independently for each occurrence, represents cyano, halo, or optionally substituted alkyl, alkenyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkoxy, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocycloalkyl, heterocycloalkenyl, (heterocycloalkyl)alkyl, cycloalkyl, (cycloalkyl)alkyl, halocycloalkyl, hydroxycycloalkyl, aminocycloalkyl, aryloxy, heteroaryloxy, arylalkyloxy, heteroarylalkyloxy, $-CH_2C(O)NH_2$, $-C(O)R^5$, $-C(O)OR^5$, or $-S(O)_2R^5$; and

n is an integer from 0-4, as permitted by valence.

7. The compound of claim 6, wherein the compound is represented by formula (Ik) or (IIk):


(Ik)

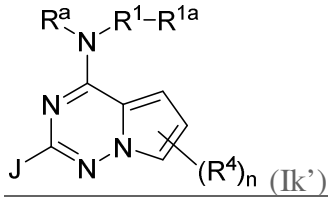


(IIk);

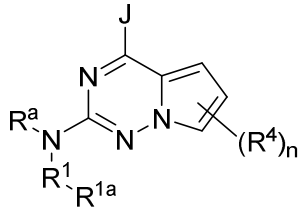
wherein X, Y, and Z each independently represent CH, N, NH, O, S, or SO_2.

8. The compound of claim 7, wherein the compound is represented by:

(a) formula (Ik') or (IIk'):

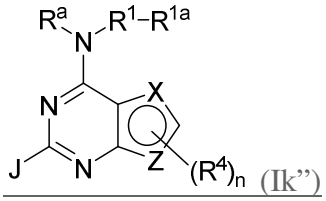


(Ik')

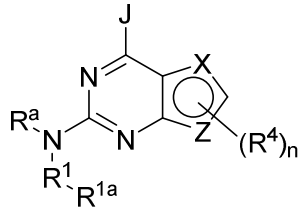


(IIk');

(b) formula (Ik") or (IIk"):



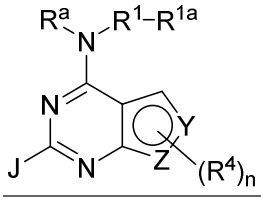
(Ik")



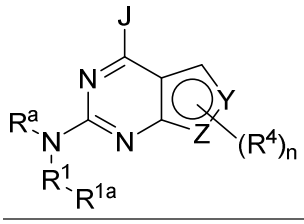
(IIk"),

wherein at least one of X and Z is selected from the group consisting of O, N, NH, and S; or

(c) formula (In) or (IIn):



(In)



(IIn),

wherein each of Y and Z are selected from the group consisting of O, N, NH, and S.

9. The compound of claim 8, wherein the compound is represented by formula (Ik") or (IIk"), and:

(a) one of X and Z is selected from the group consisting of O, NH, and S, and the other of X and Z is CH;

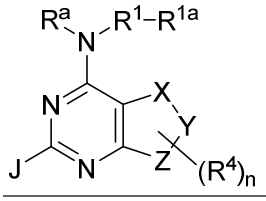
(b) X is selected from the group consisting of O, NH, and S;

(c) Z is selected from the group consisting of O, NH, and S;

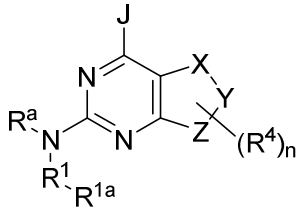
(d) each of X and Z are selected from the group consisting of O, N, NH, and S; or

(e) one of X and Z is N and the other of X and Z is NH.

10. The compound of claim 6, wherein the compound is represented by formula (Im) or (IIm):



(Im)



(IIm);

wherein X, Y, and Z each independently represent CH_2, CO, NH, O, S, or SO_2.

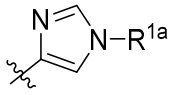
11. The compound of claim 10, wherein:

(a) each of X, Y, and Z is CH_2; or

(b) one of X, Y, and Z is NH or O.

12. The compound of any one of claims 1-11, wherein R^4, if present, is selected from the group consisting of optionally substituted alkyl, hydroxyalkyl, aminoalkyl, alkoxy, aryl, aralkyl, and (heterocycloalkyl)alkyl.

13. The compound of any one of claims 1-12, wherein R^a is H.

14. The compound of any one of claims 1-13, wherein $-R^1-R^{1a}$ represents 

.

15. The compound of any one of claims 1-14, wherein R^{1a} is 3,4,5-trimethoxyphenyl.

16. The compound of any one of claims 1-15, wherein:

(a) J is aryl, optionally substituted by one or more occurrences of R^{2a}; or

(b) J is $–NR^2R^3$.

17. The compound of claim 16, wherein J is $–NR^2R^3$; and:

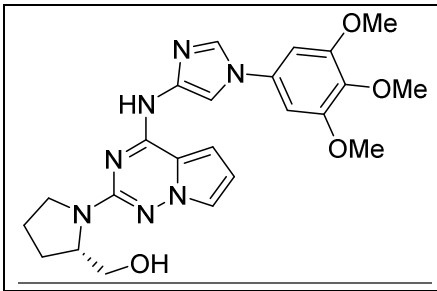
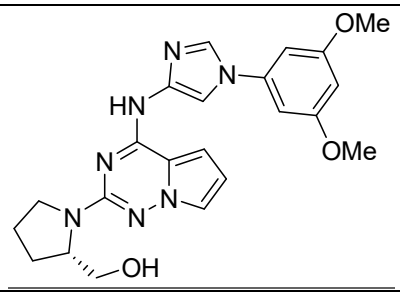
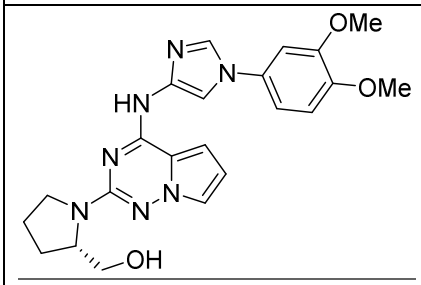
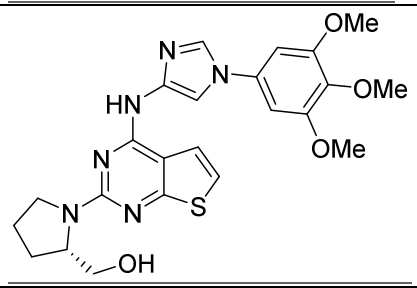
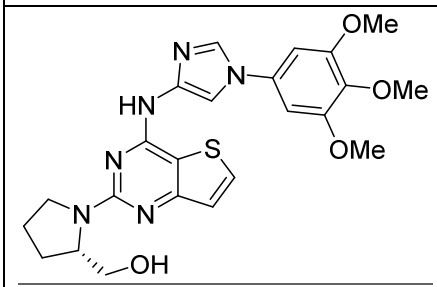
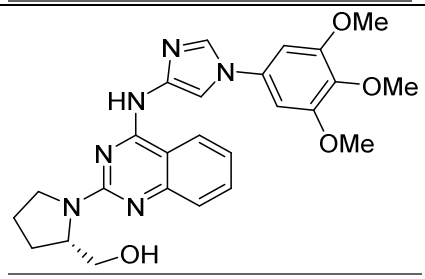
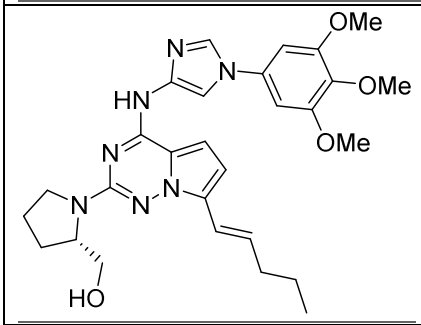
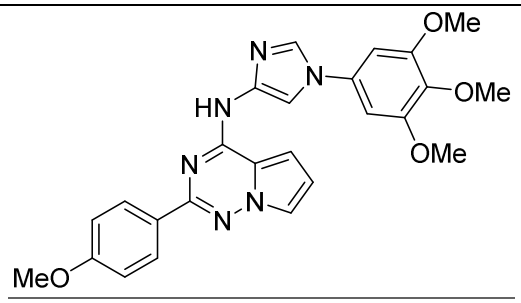
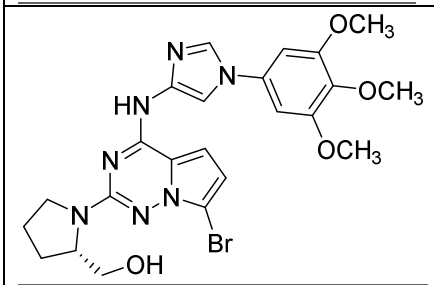
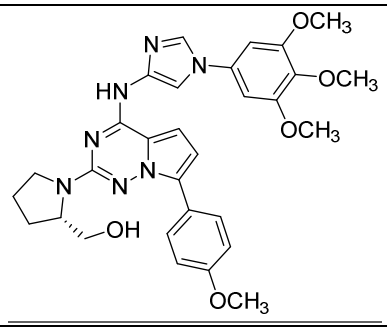
(a) R^2 and R^3, taken together, form a heterocycloalkyl ring, optionally substituted by one or more occurrences of R^{2a}; or

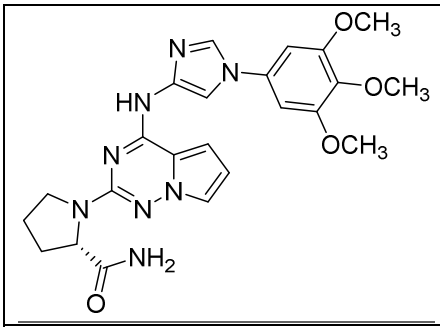
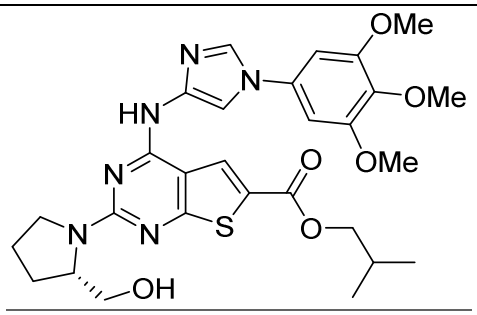
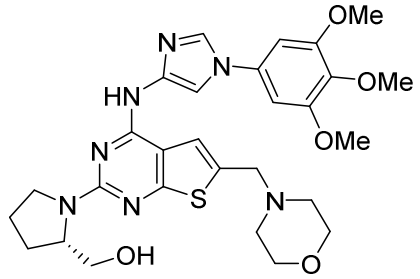
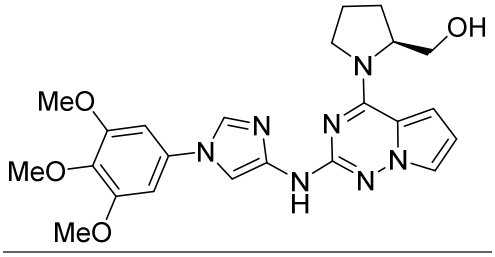
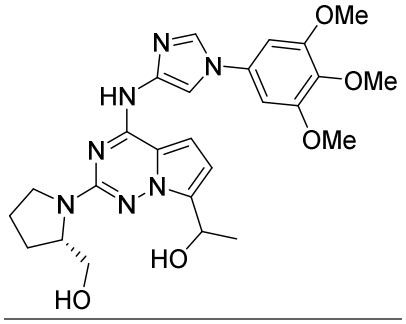
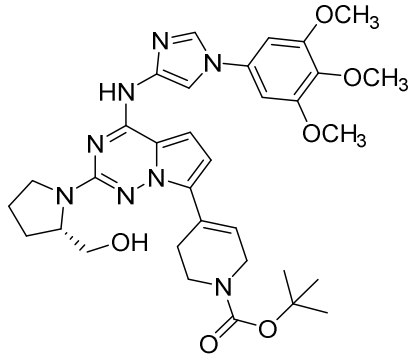
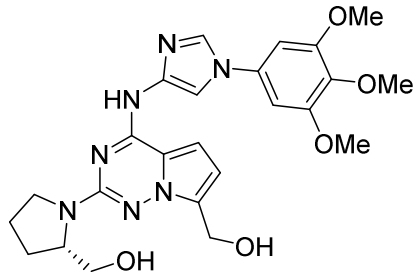
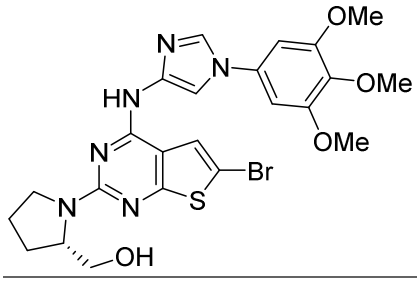
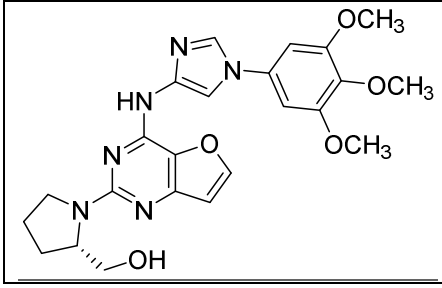
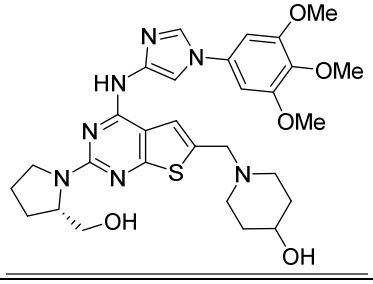
(b) R^2 and R^3, taken together, form a pyrrolidine ring, optionally substituted by one or more occurrences of R^{2a}.

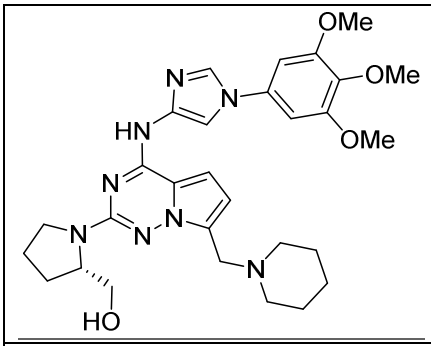
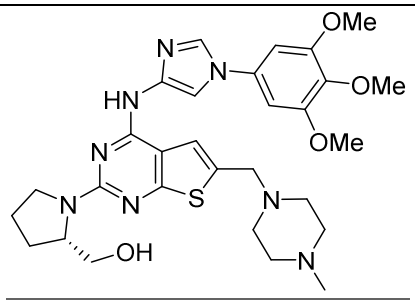
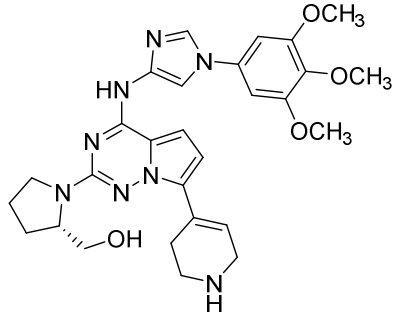
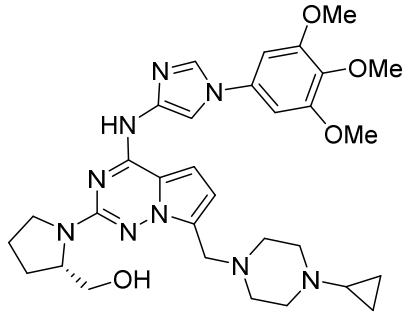
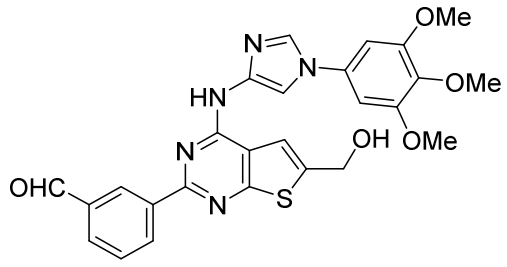
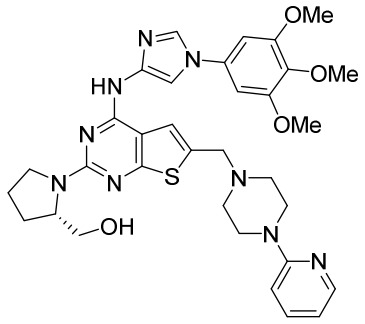
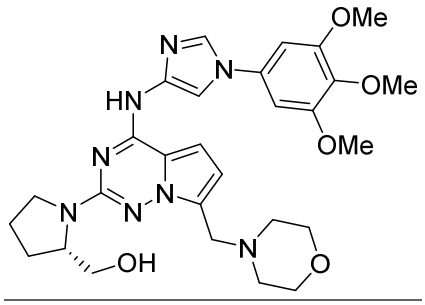
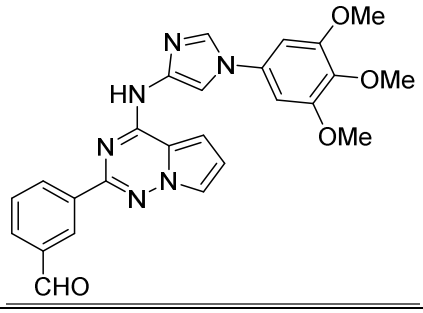
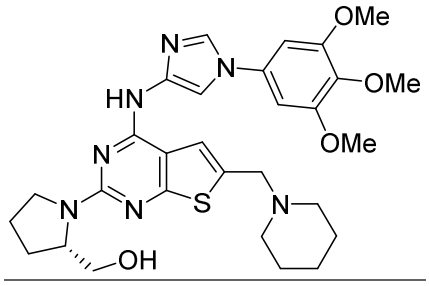
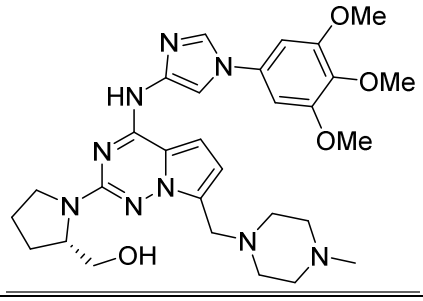
18. The compound of claim 16 or 17, wherein R^{2a}, independently for each occurrence, represents $-C(O)NH_2$, $-C(O)R^5$, hydroxyalkyl, heteroaryl, or aryl.

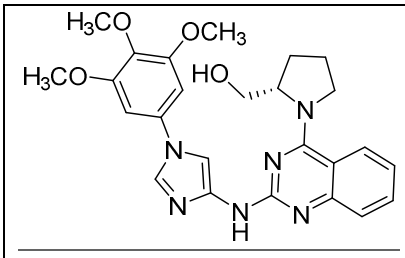
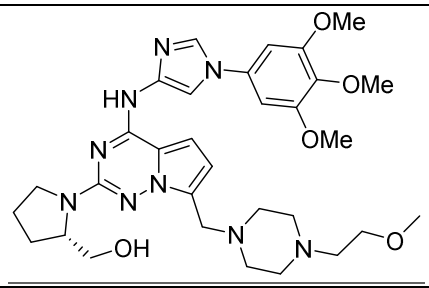
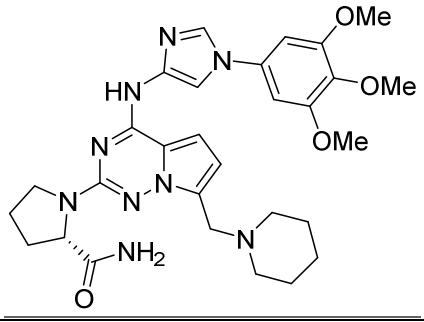
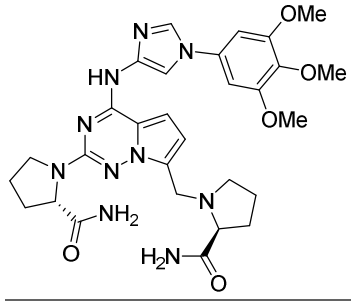
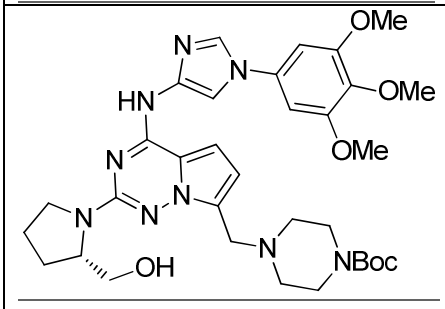
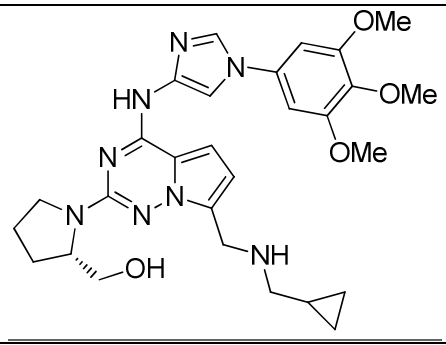
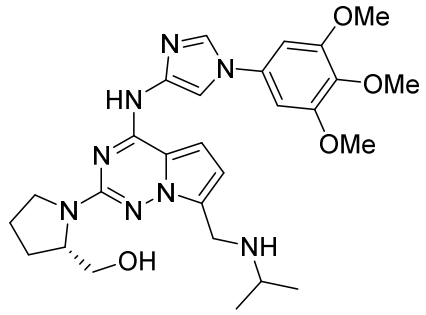
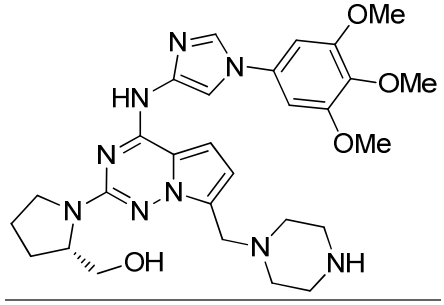
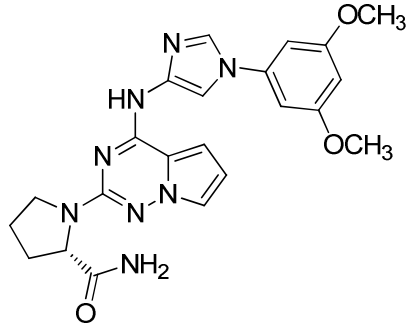
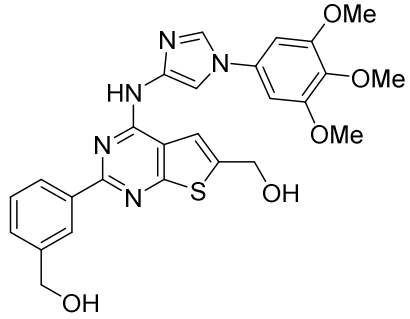
19. The compound of any one of claims 1-18, wherein the optional substituents are selected from halogen, haloalkyl, hydroxyl, carbonyl, carboxyl, alkoxycarbonyl, formyl, acyl, thiocarbonyl, thioester, thioacetate, thioformate, alkoxyl, alkenyloxy, alkynyloxy, phosphoryl, phosphate, phosphonate, phosphinate, amino, alkylamino, dialkylamino, amido, amidine, imine, cyano, nitro, azido, sulfhydryl, alkylthio, sulfate, sulfonate, sulfamoyl, sulfonamido, sulfonyl, silyl, silyloxy, heterocycloalkyl, cycloalkyl, alkyl, alkenyl, alkynyl, aryl, heteroaryl, arylalkyl, and heteroarylalkyl.

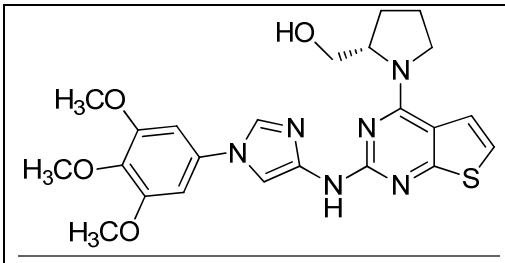
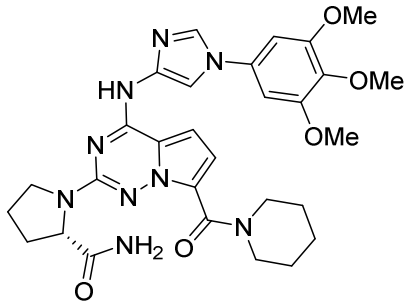
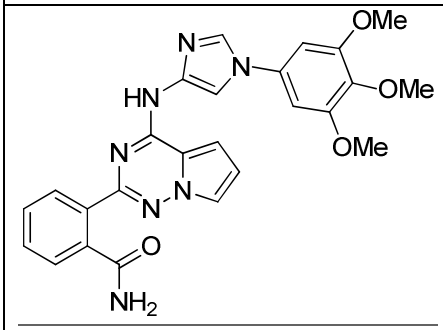
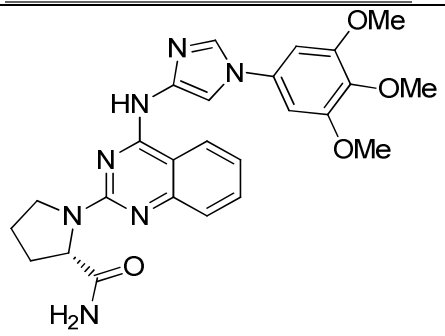
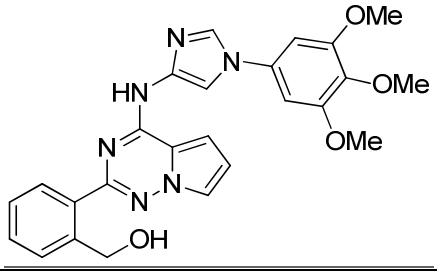
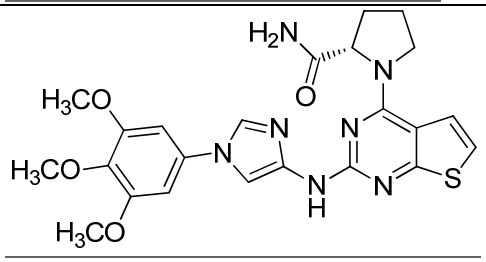
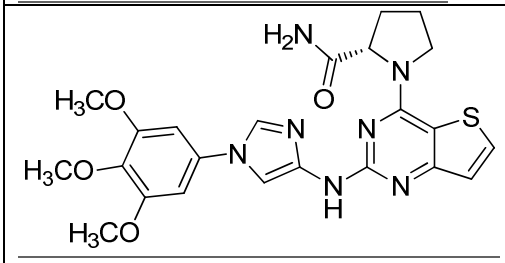
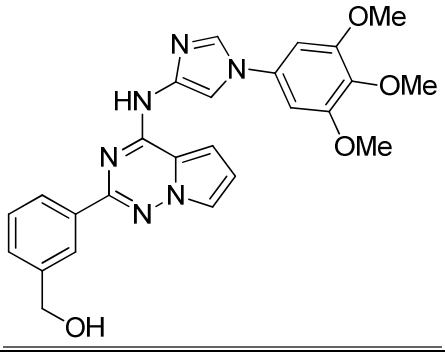
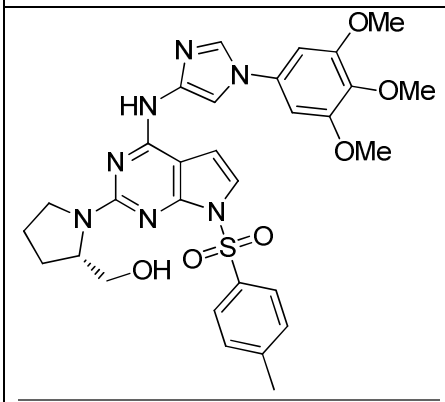
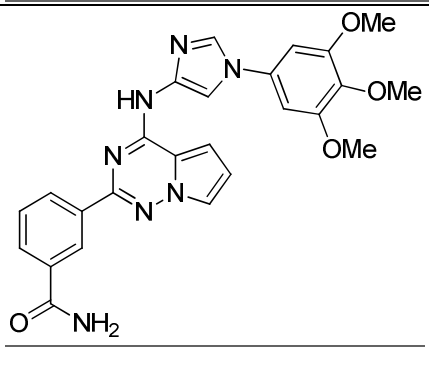
20. The compound of claim 1, selected from the following table:

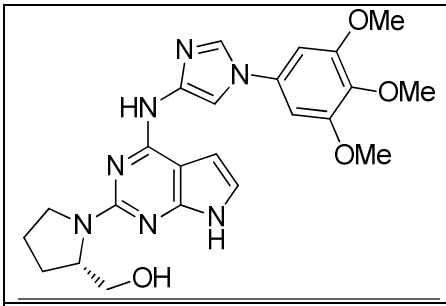
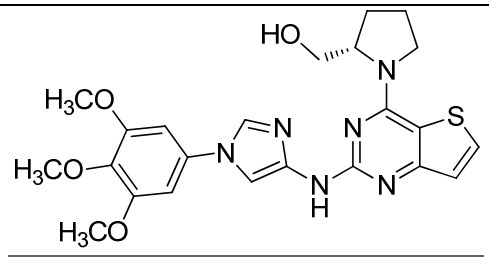
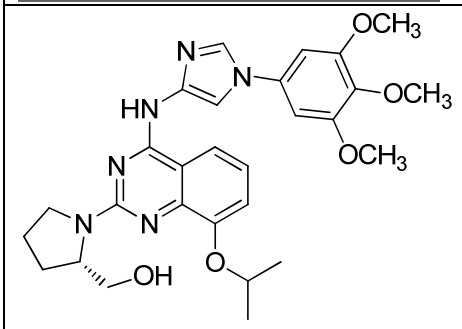
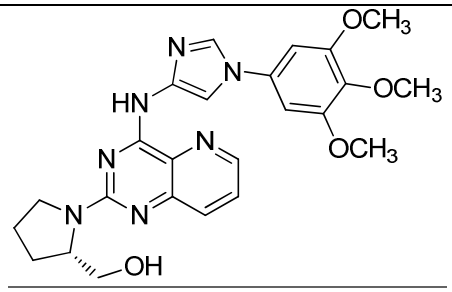
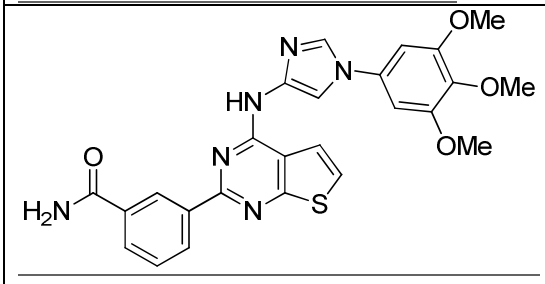
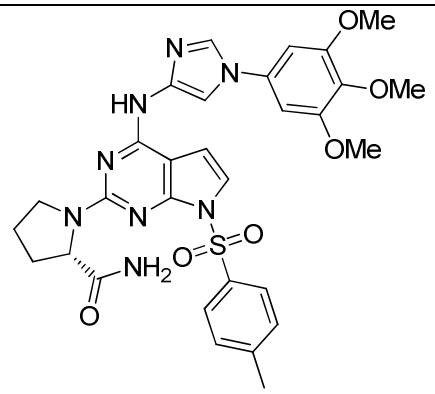
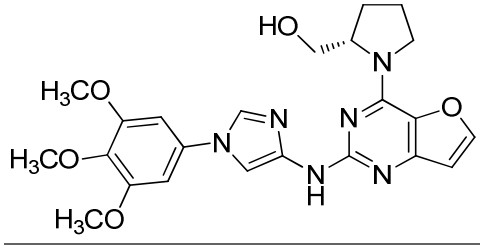
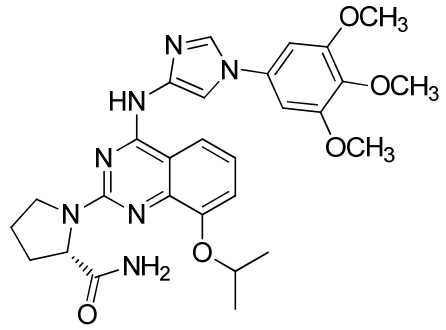
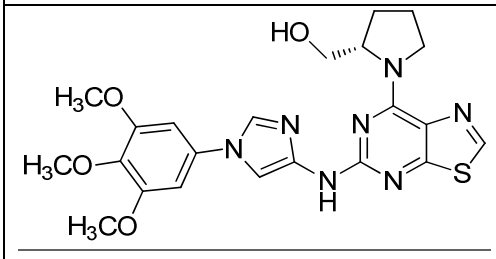
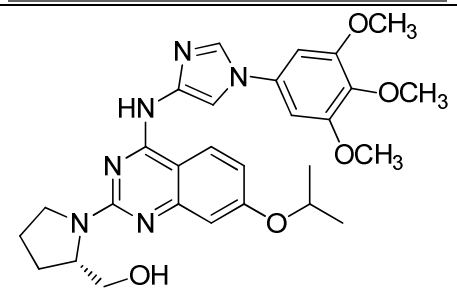
	
	
	
	
	

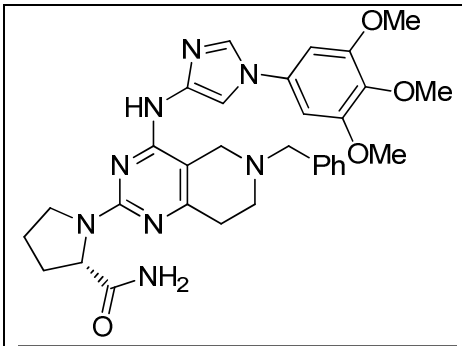
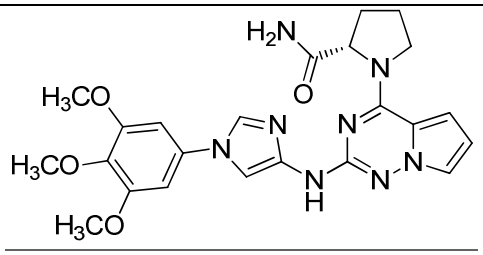
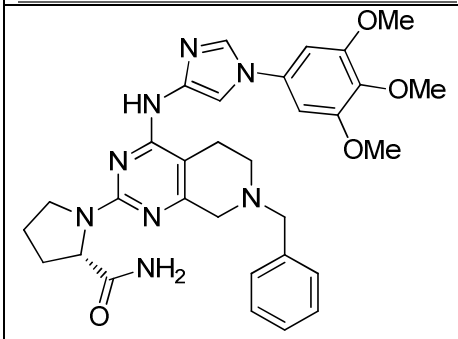
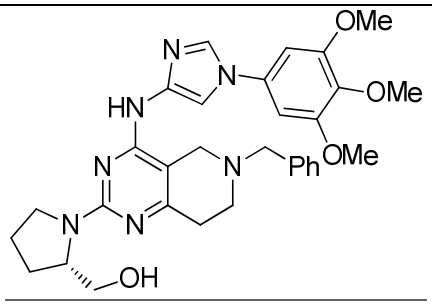
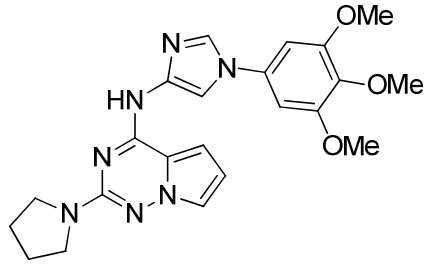
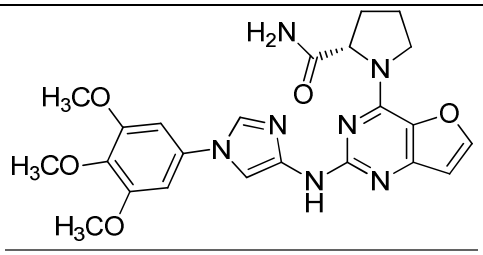
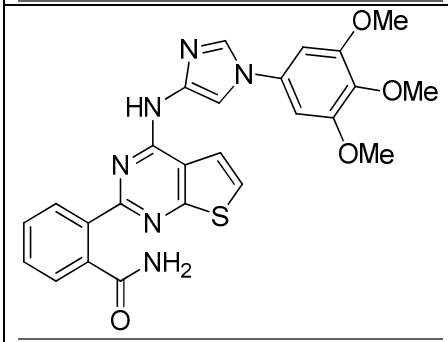
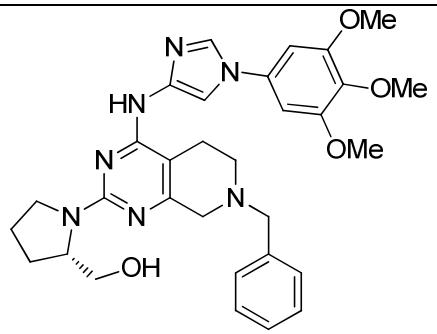
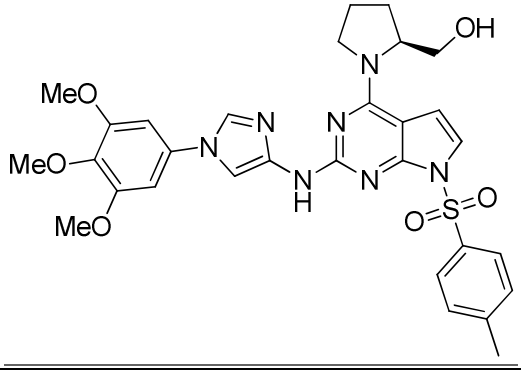
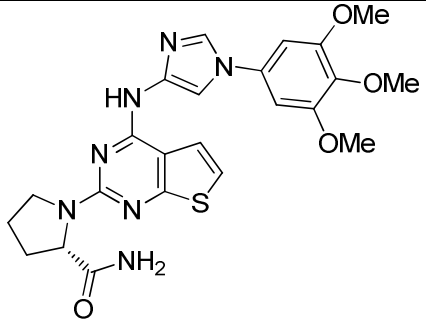
	
	
	
	
	

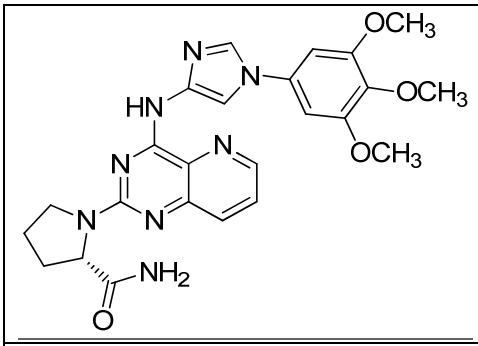
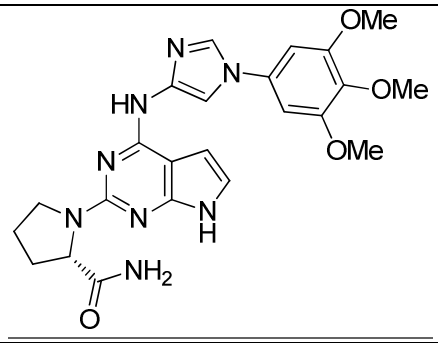
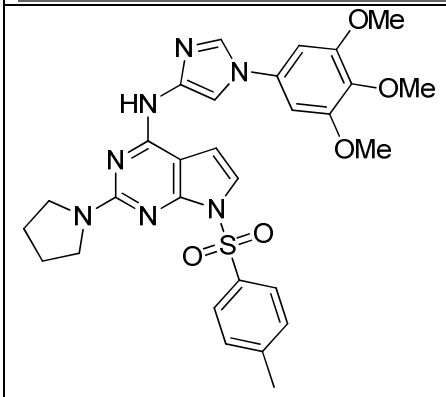
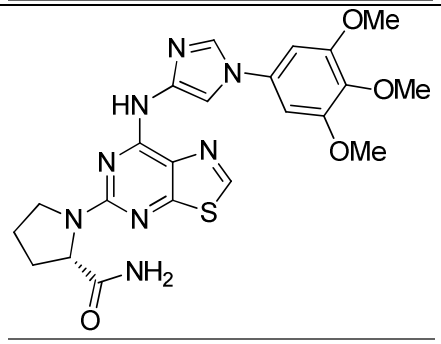
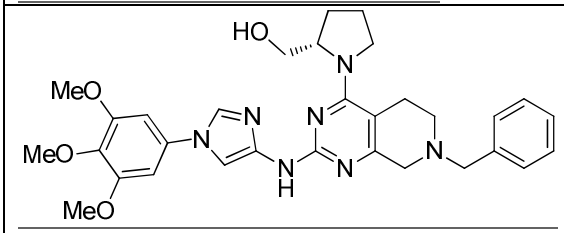
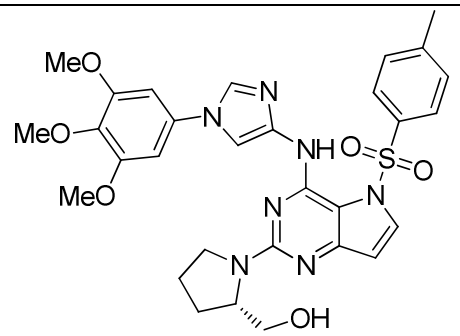
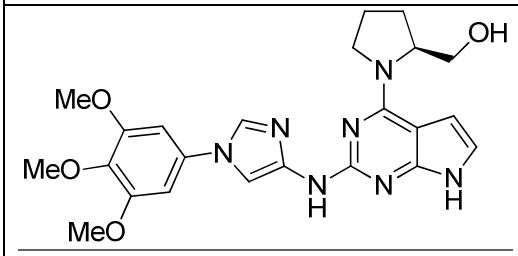
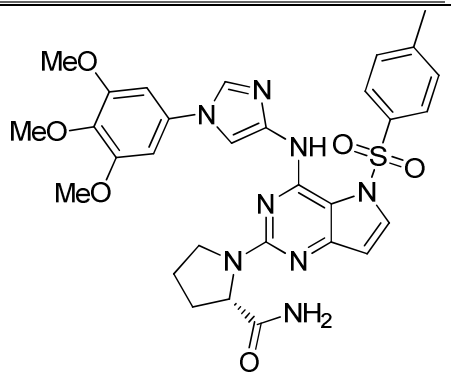
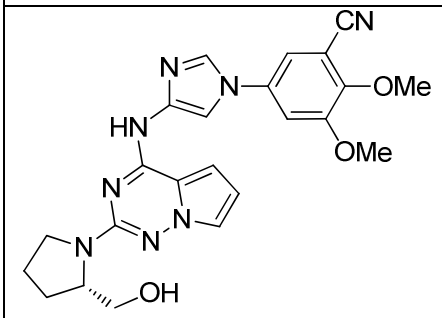
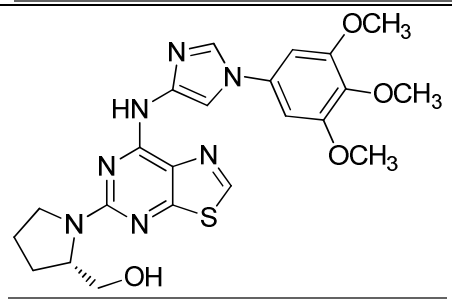
	
	
	
	
	

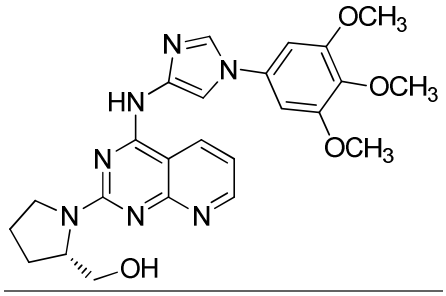
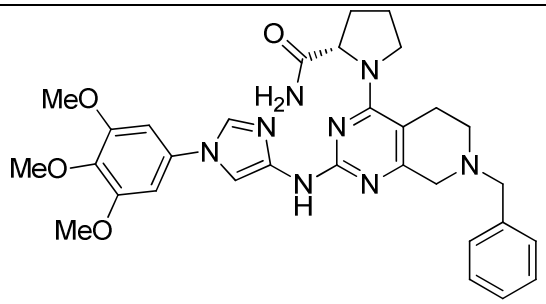
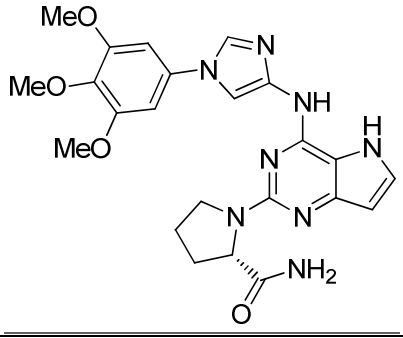
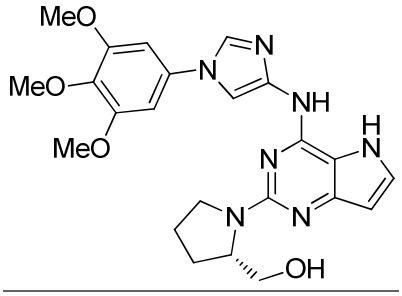
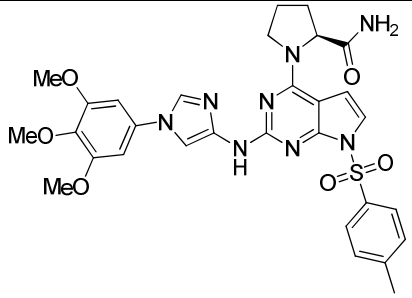
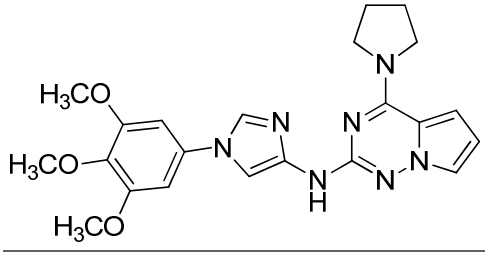
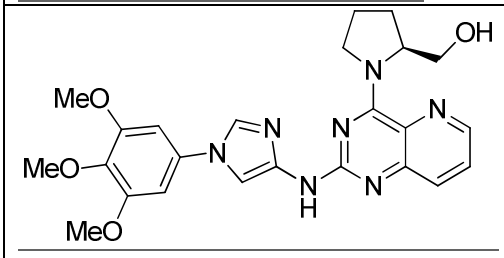
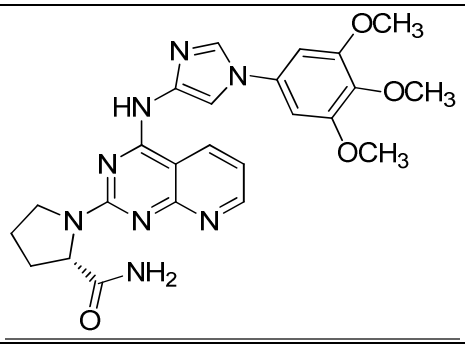
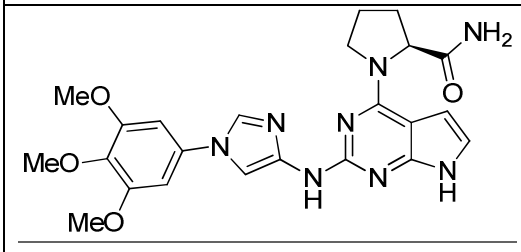
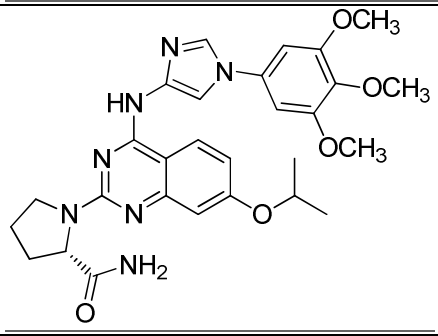
	
	
	
	
	

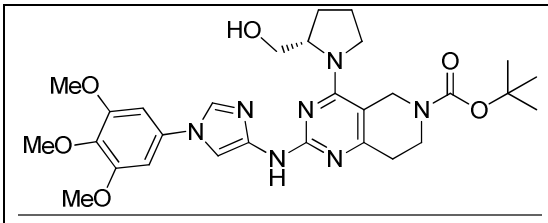
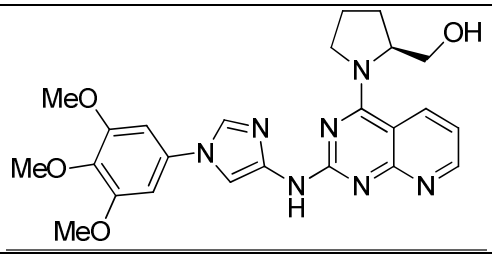
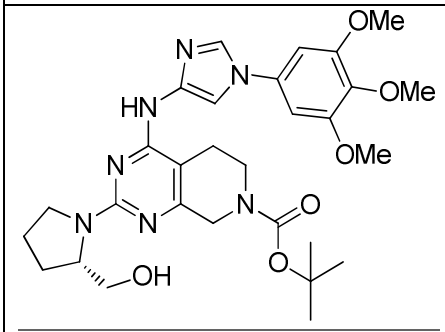
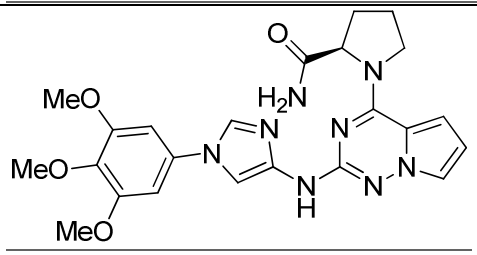
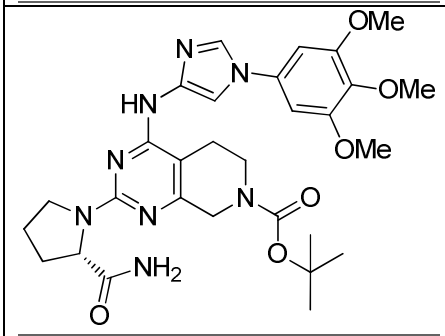
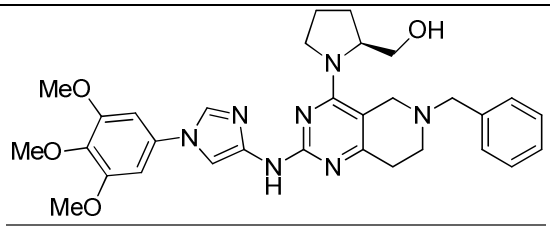
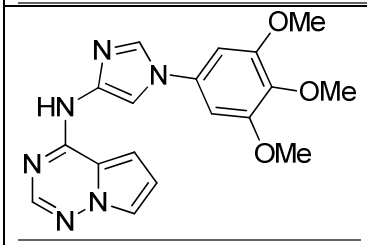
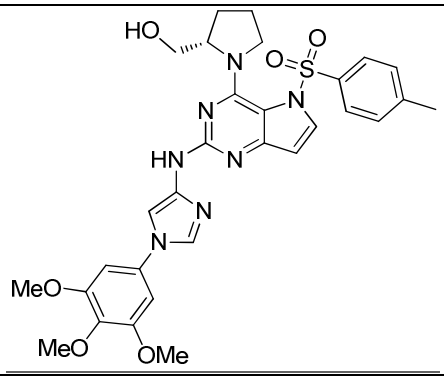
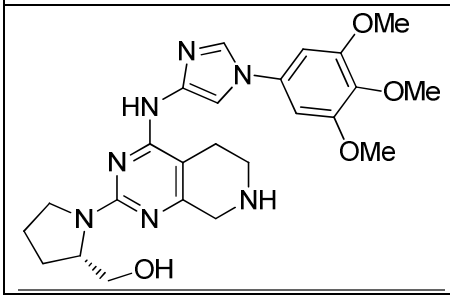
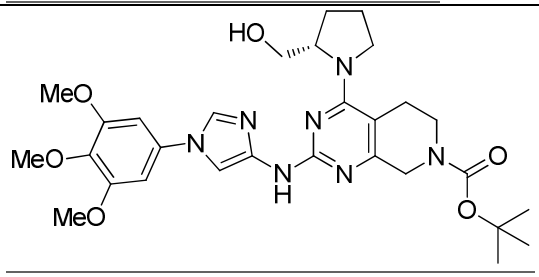
	
	
	
	
	

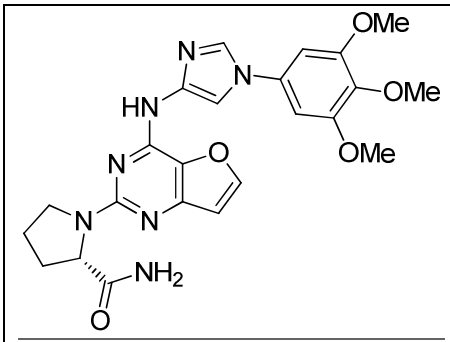
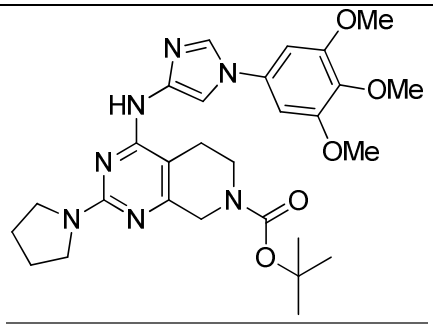
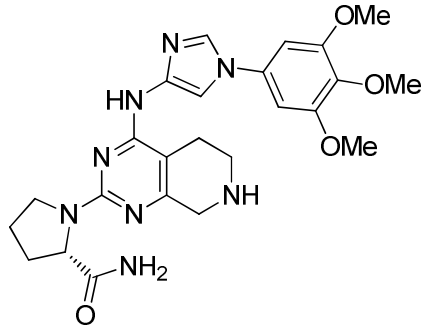
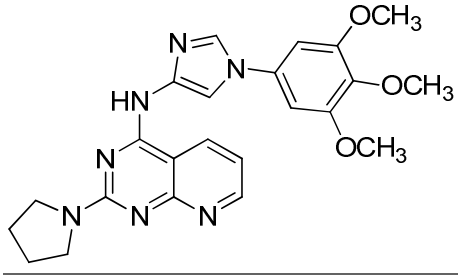
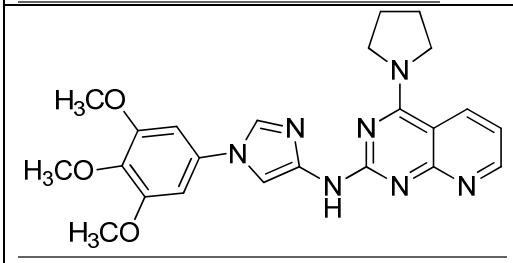
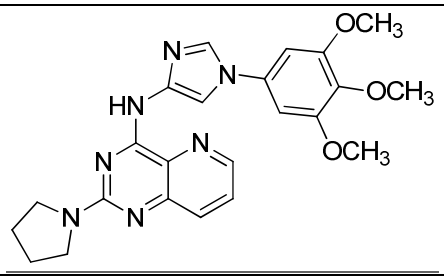
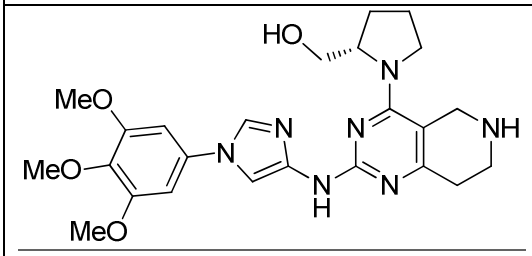
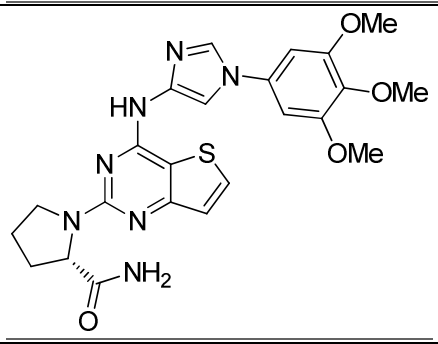
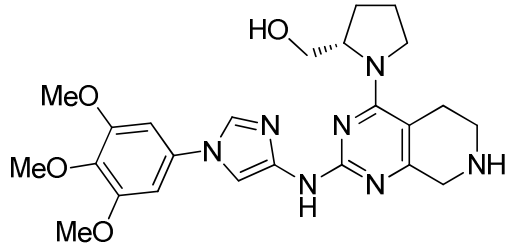
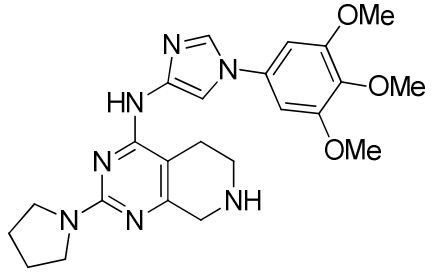
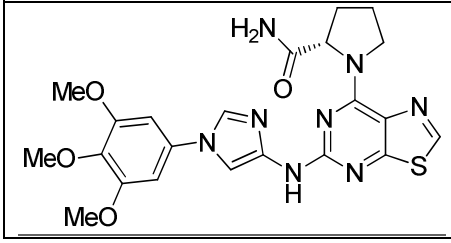
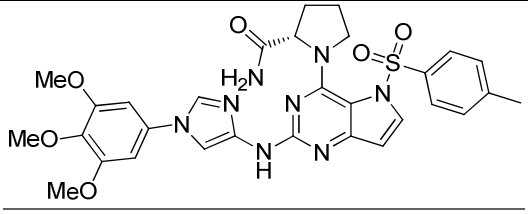
	
	
	
	
	

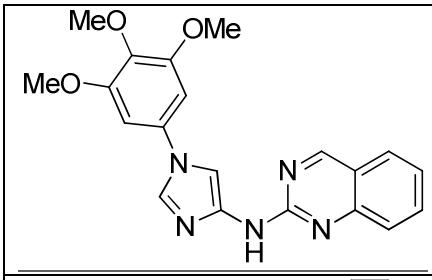
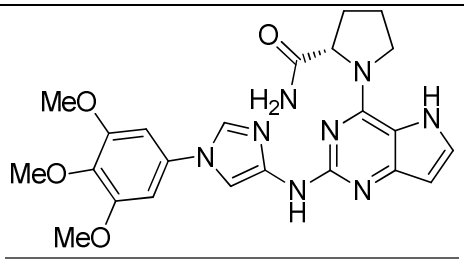
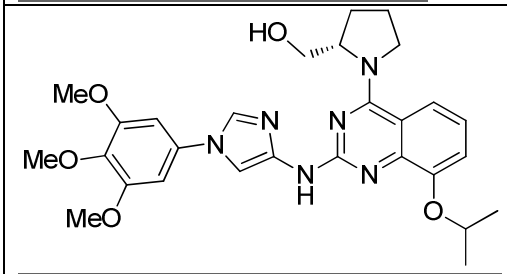
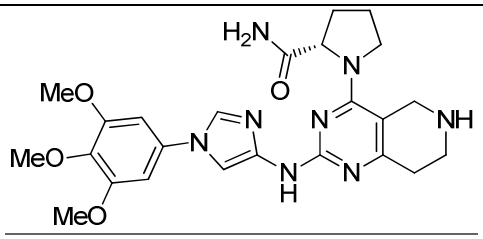
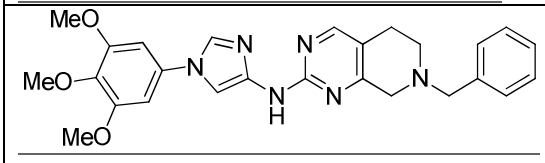
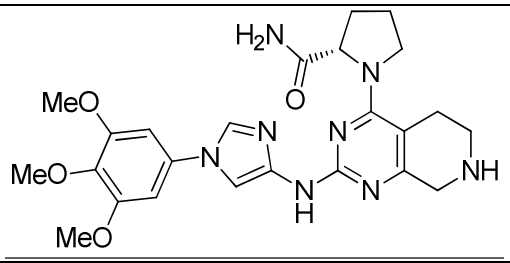
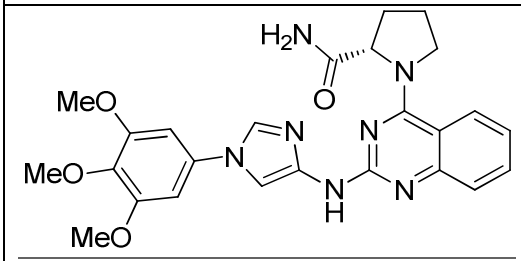
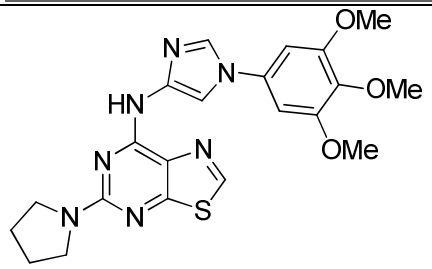
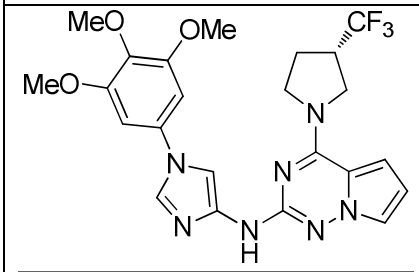
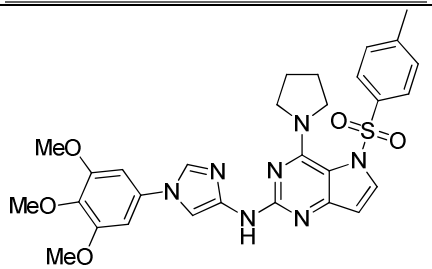
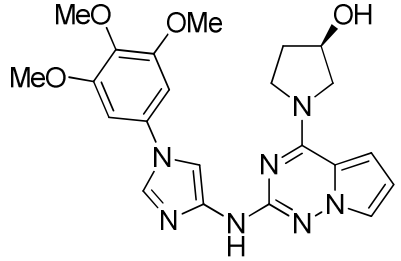
	
	
	
	
	

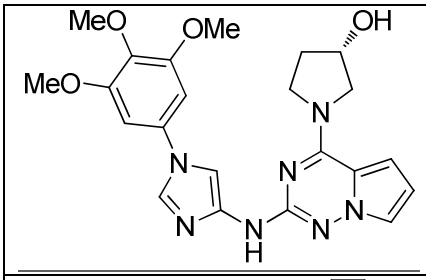
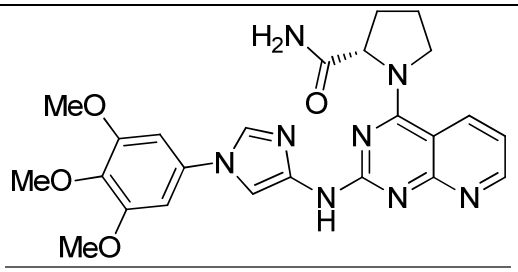
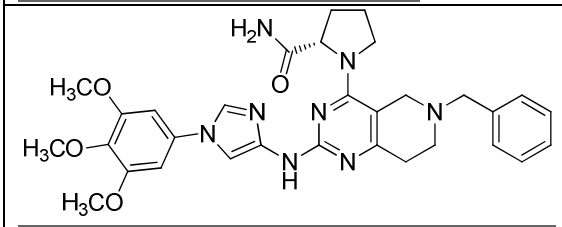
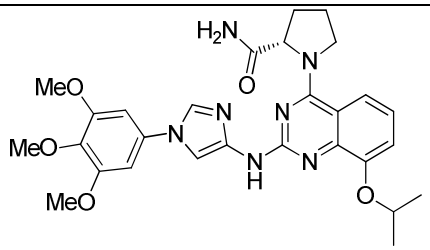
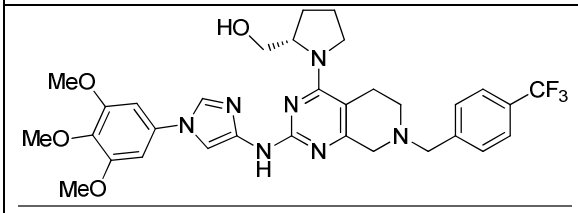
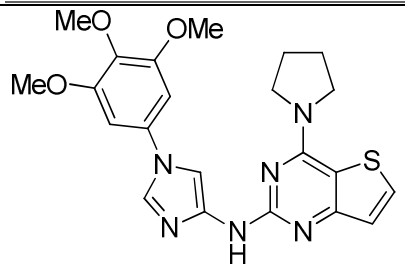
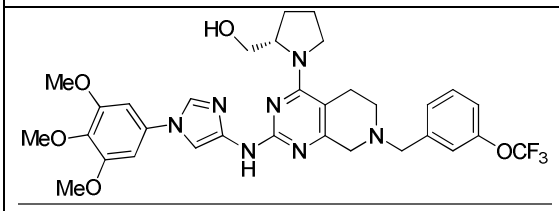
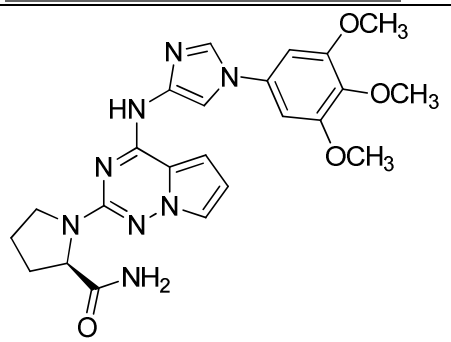
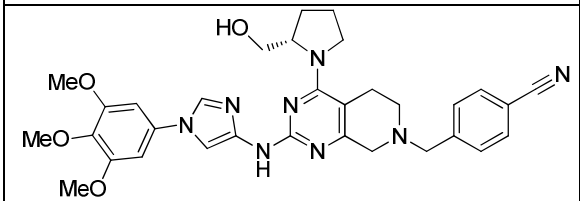
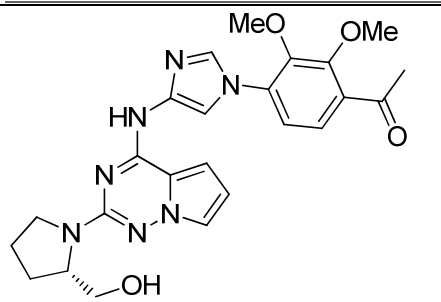
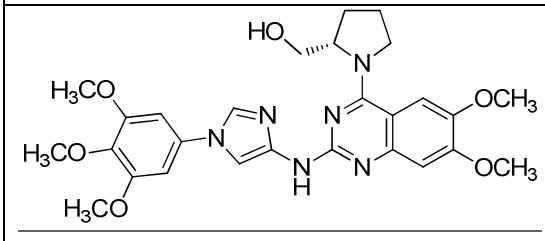
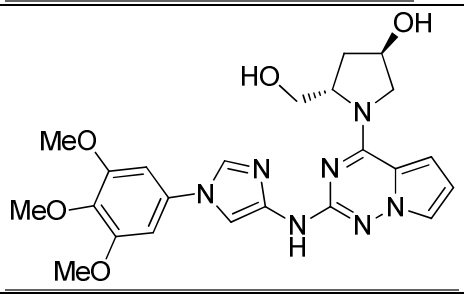
	
	
	
	
	

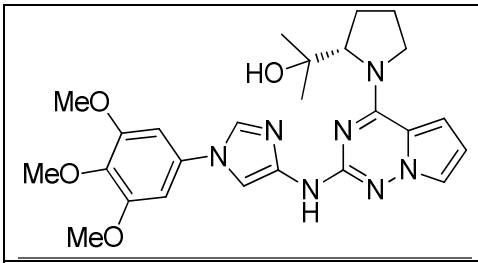
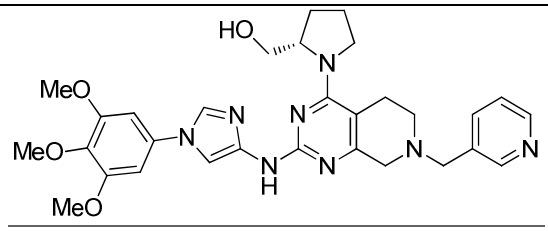
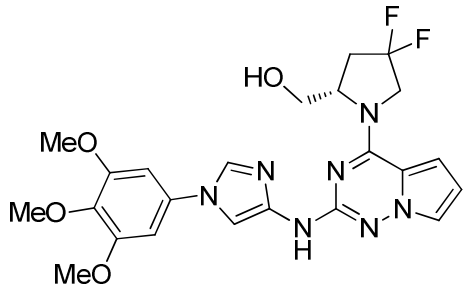
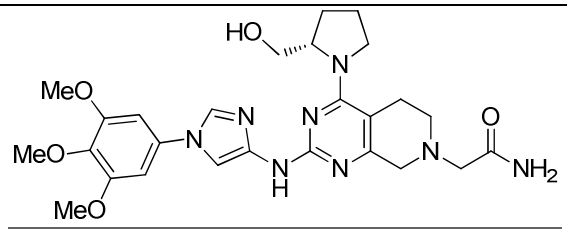
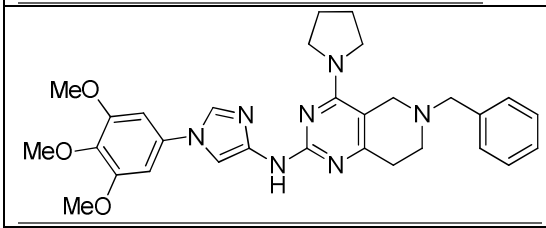
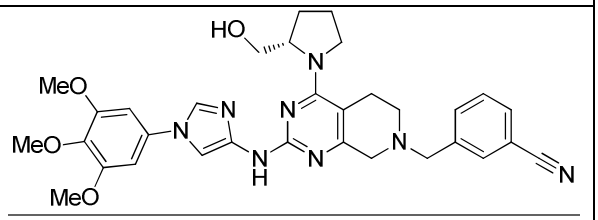
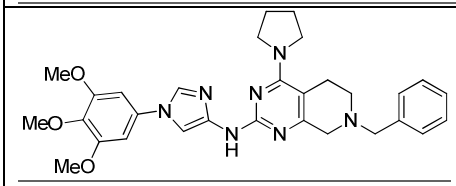
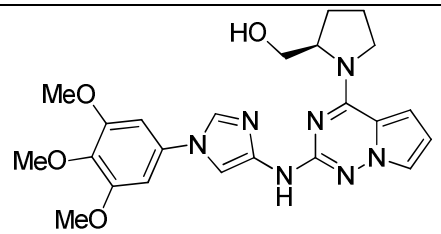
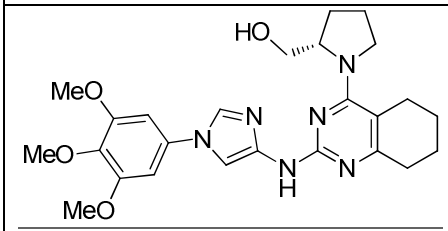
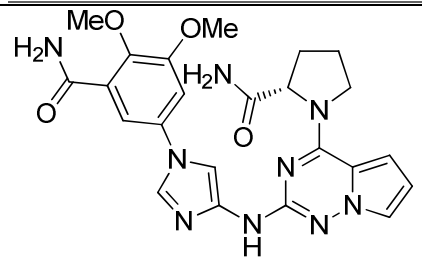
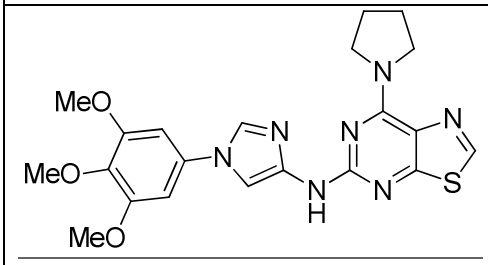
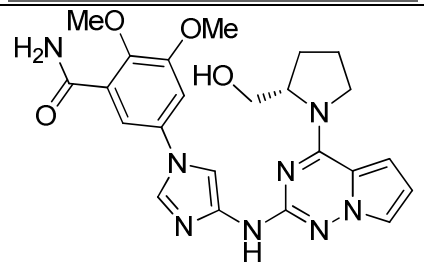
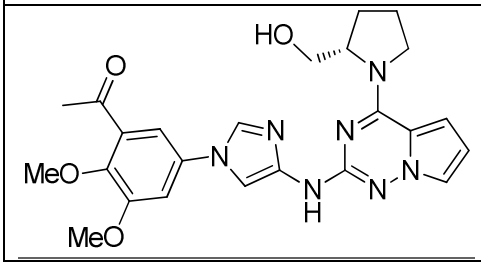
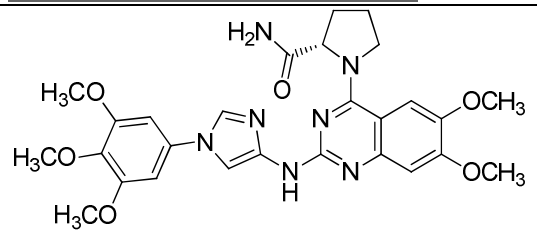
	
	
	
	
	

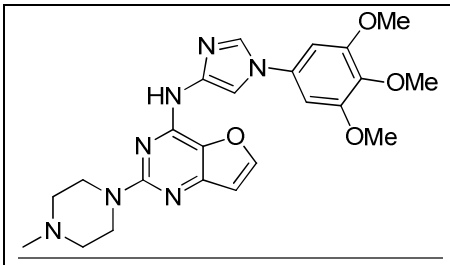
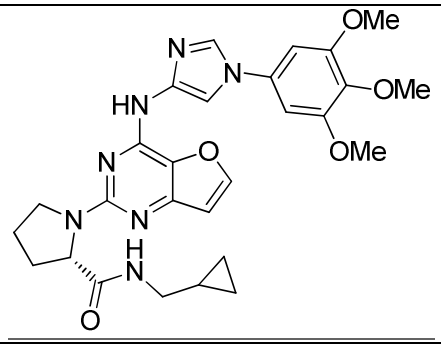
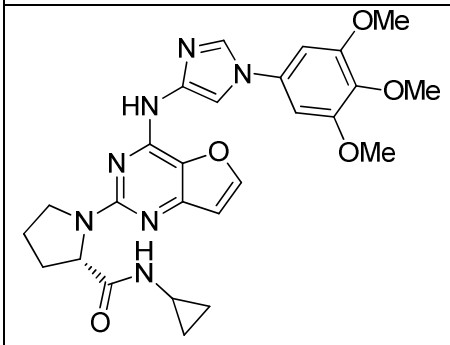
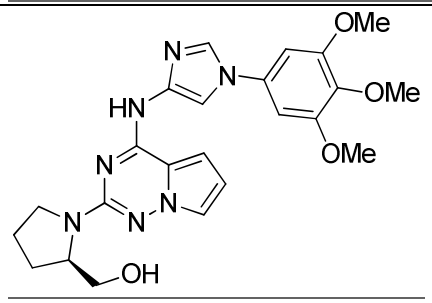
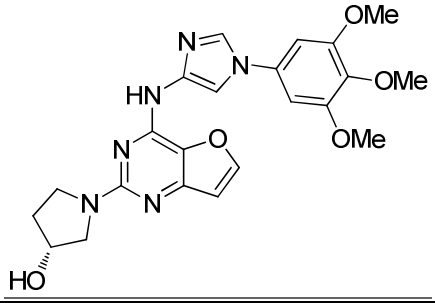
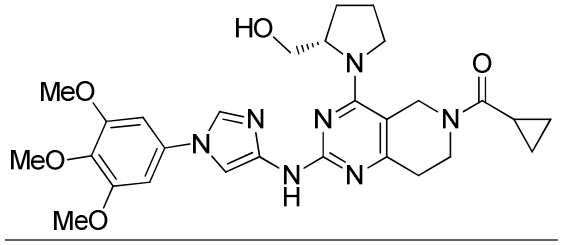
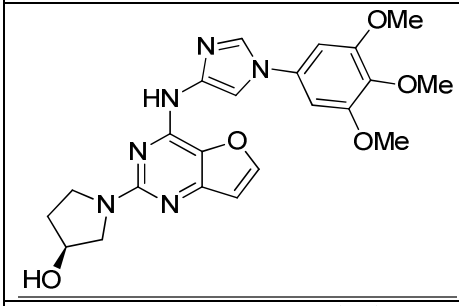
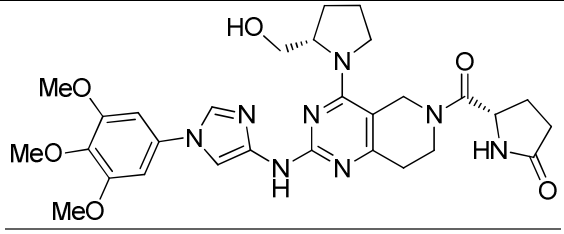
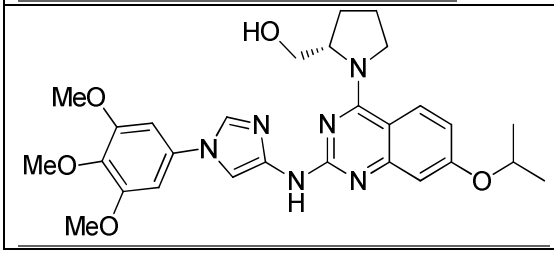
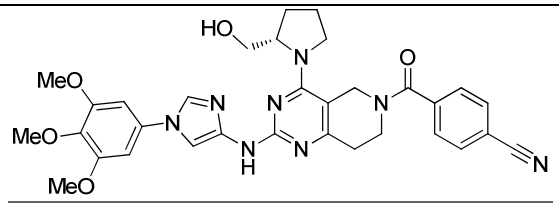
	
	
	
	
	

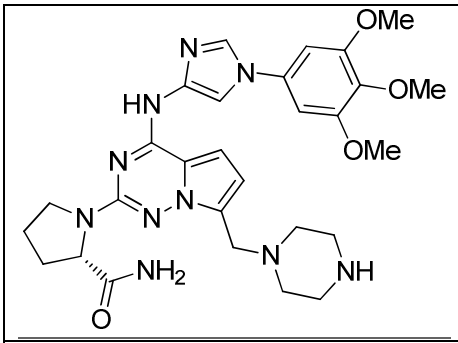
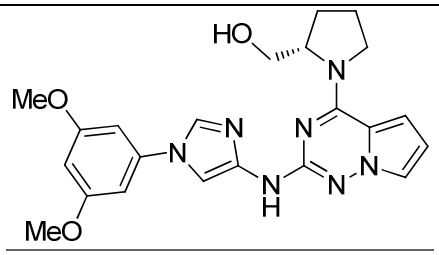
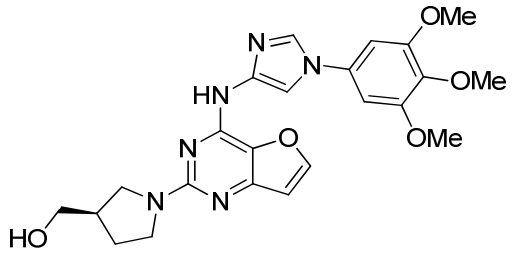
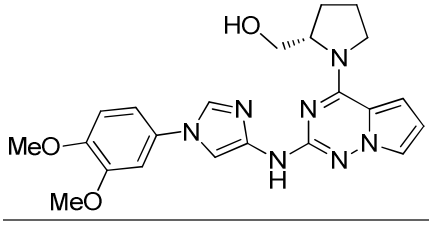
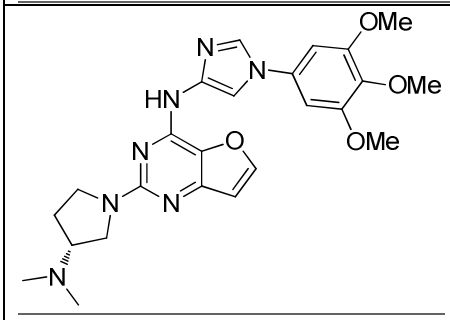
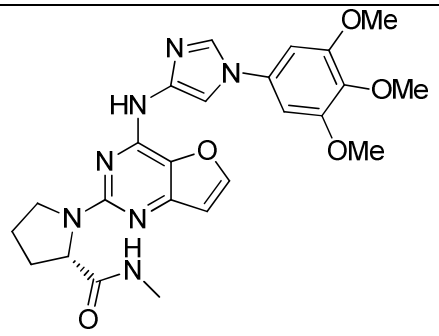
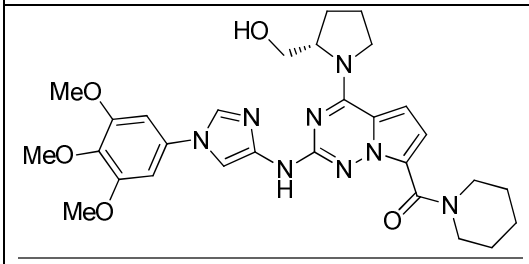
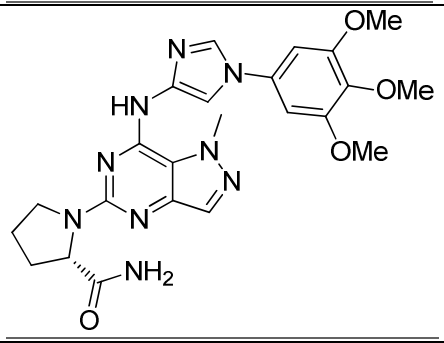
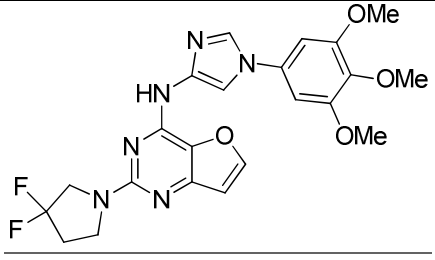
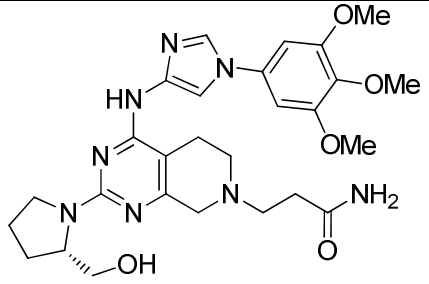
	
	
	
	
	
	

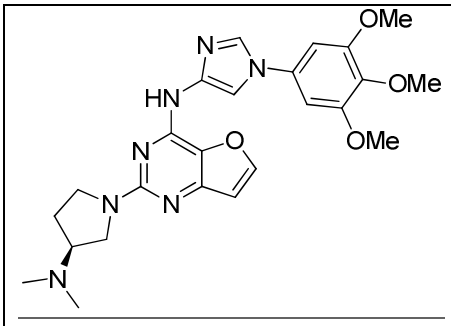
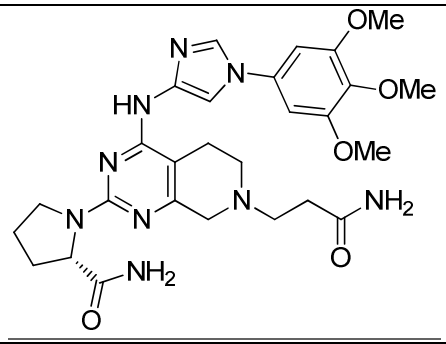
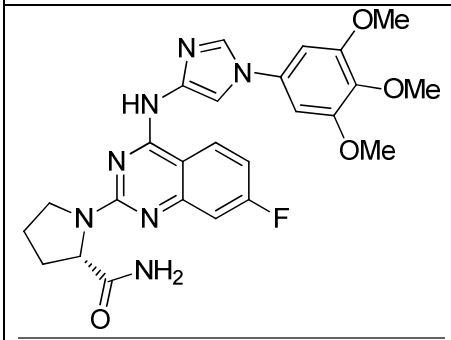
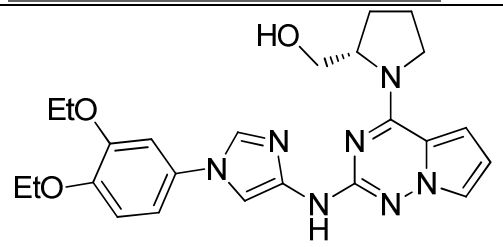
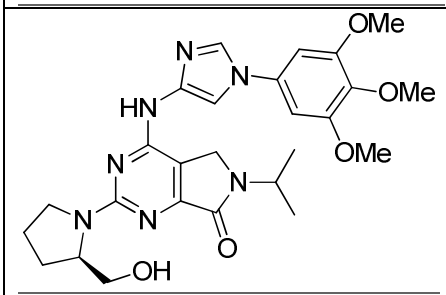
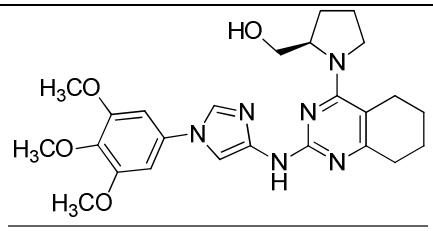
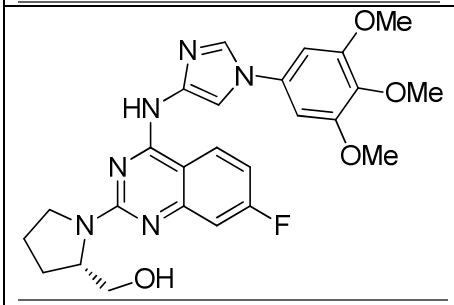
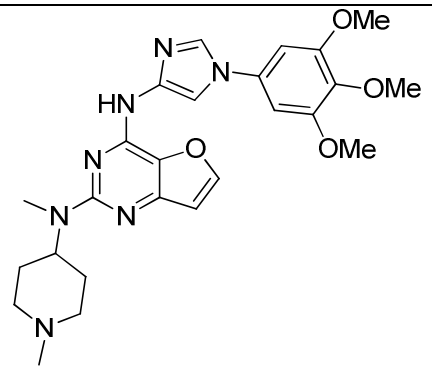
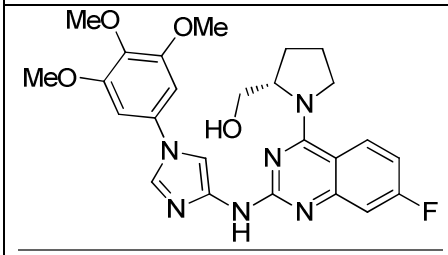
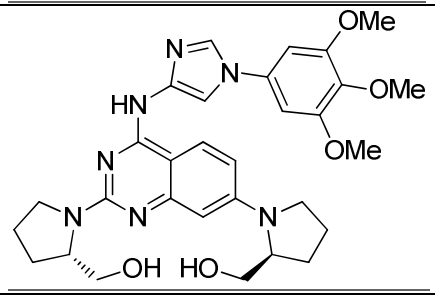
	
	
	
	
	
	

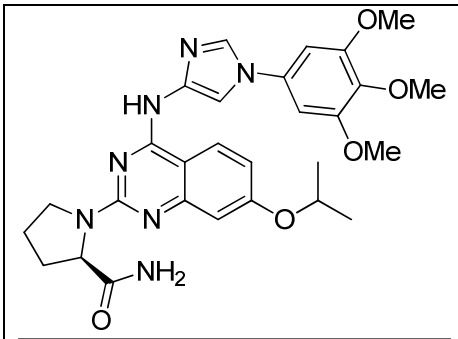
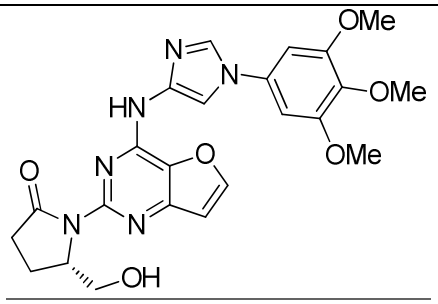
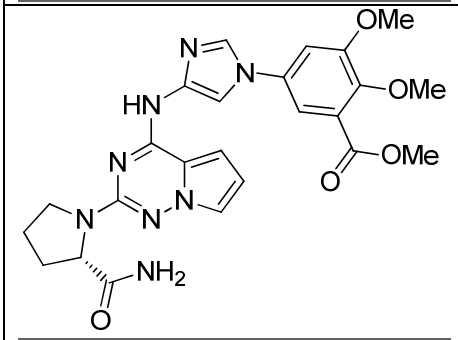
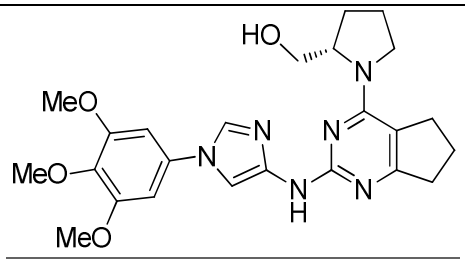
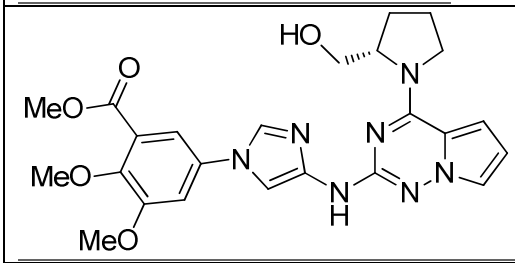
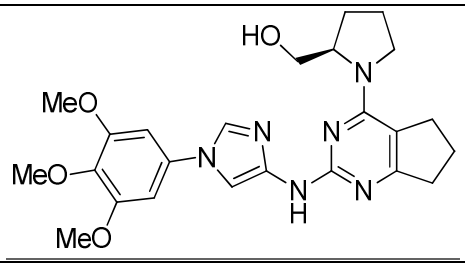
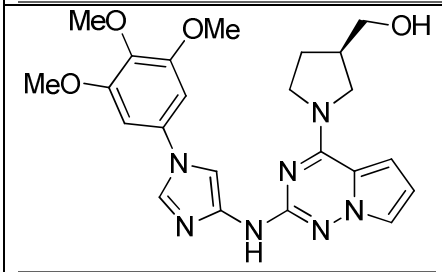
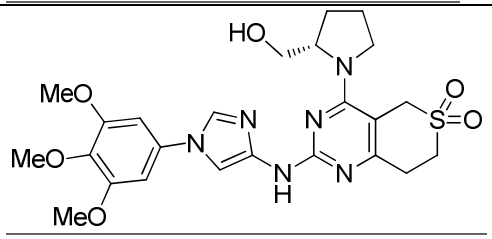
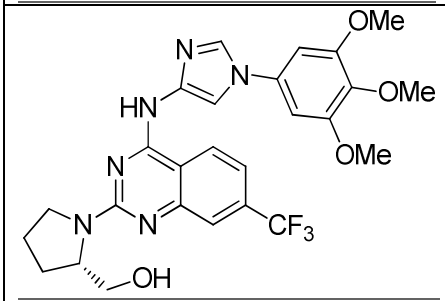
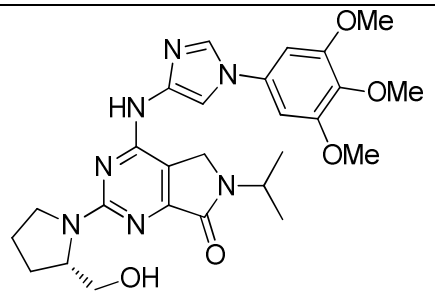
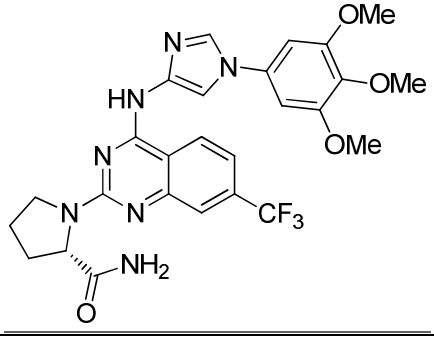
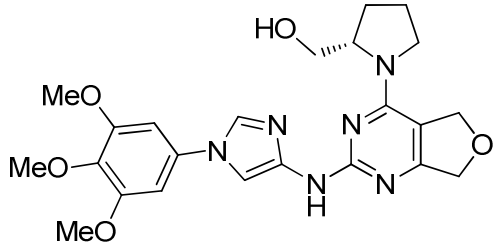
	
	
	
	
	
	

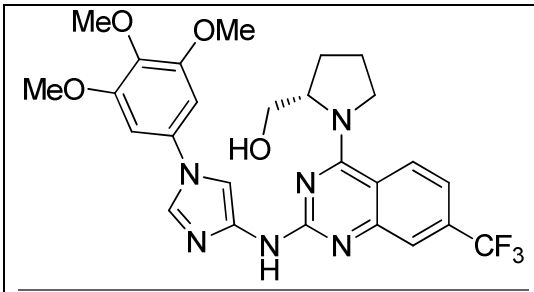
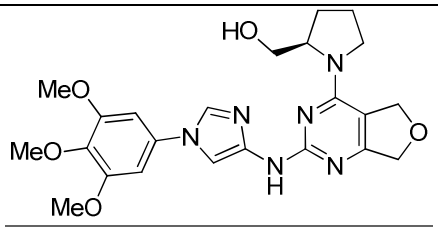
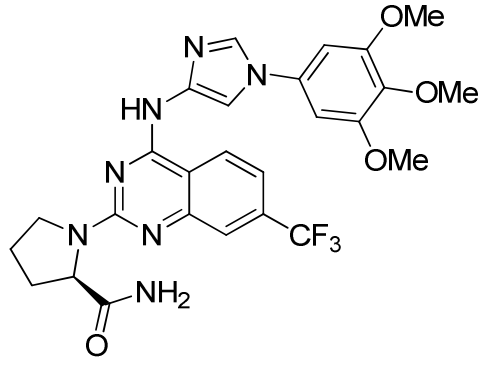
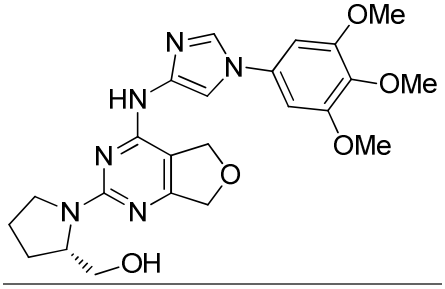
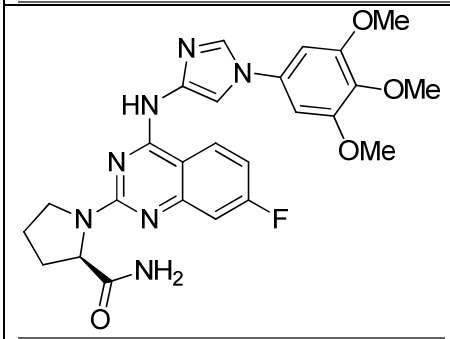
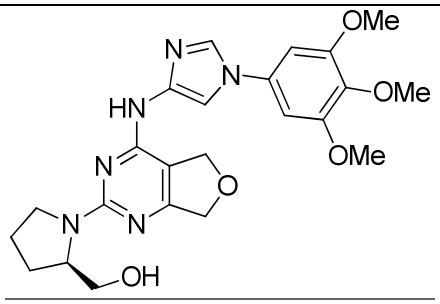
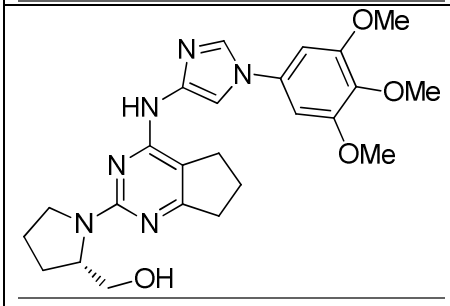
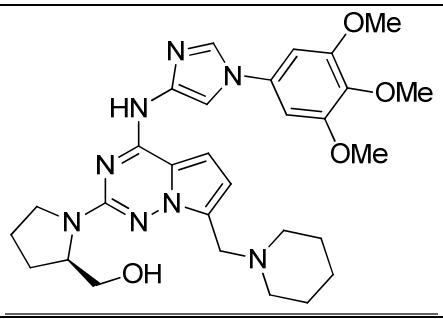
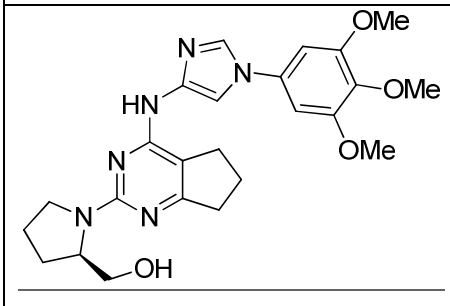
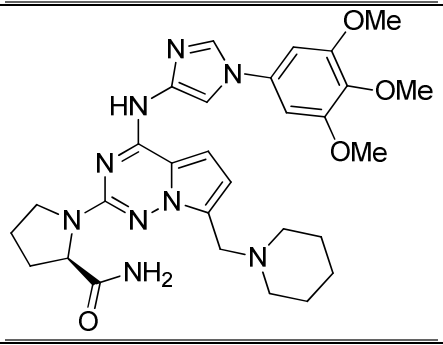
	
	
	
	
	
	
	

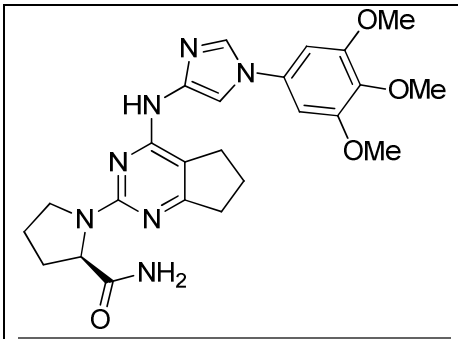
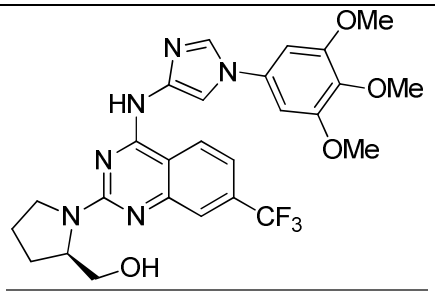
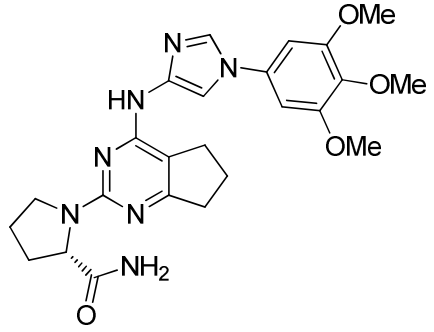
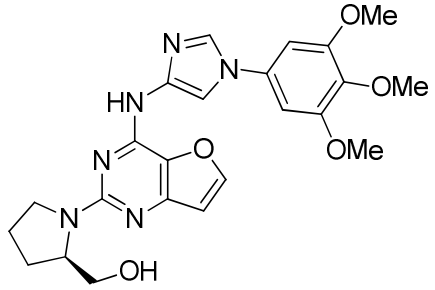
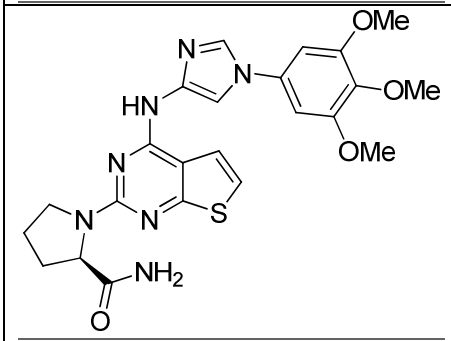
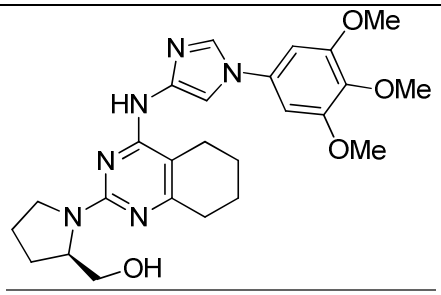
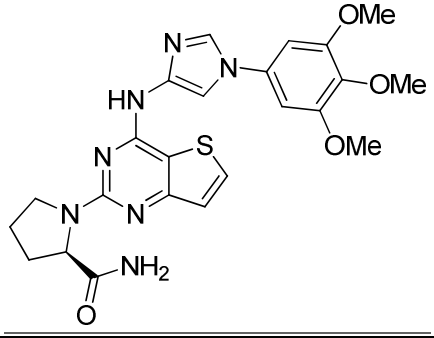
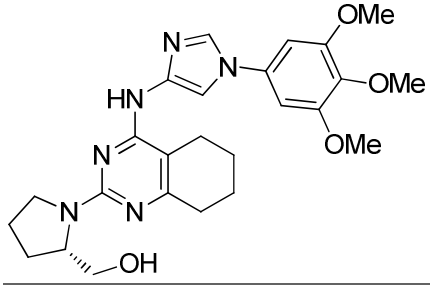
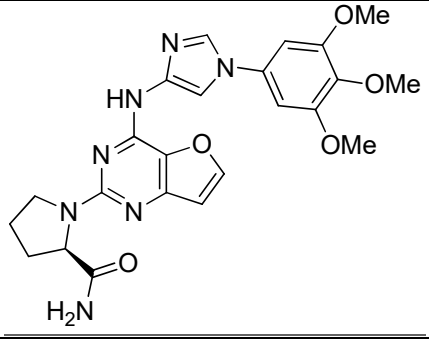
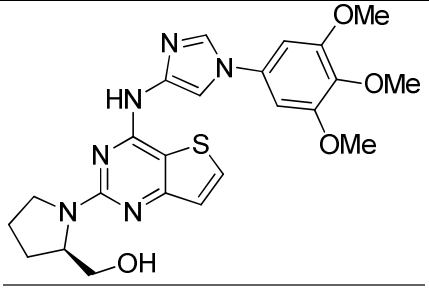
	
	
	
	
	

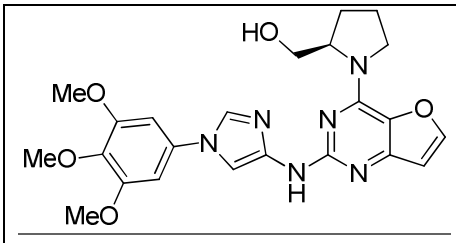
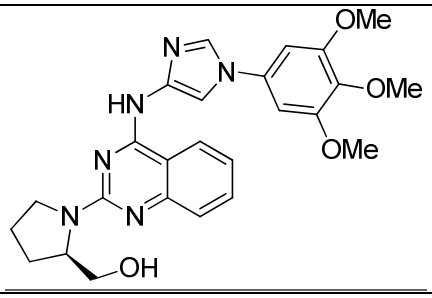
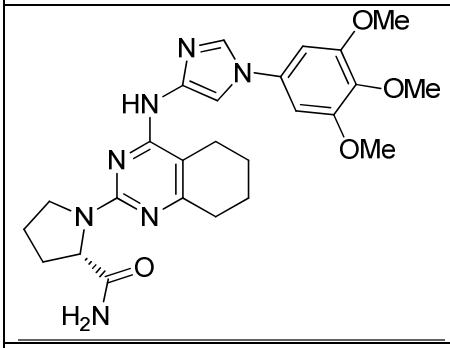
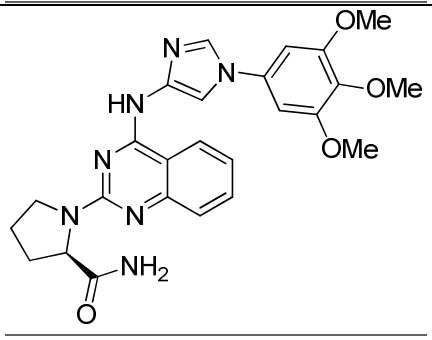
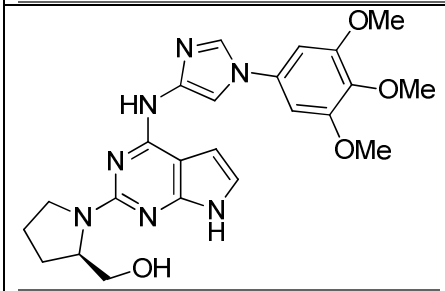
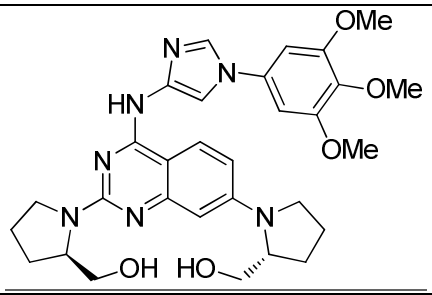
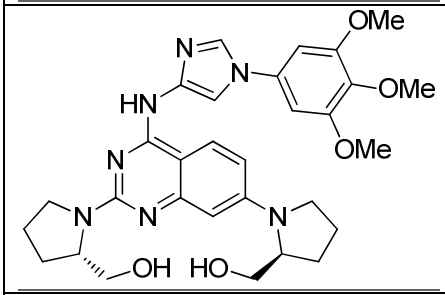
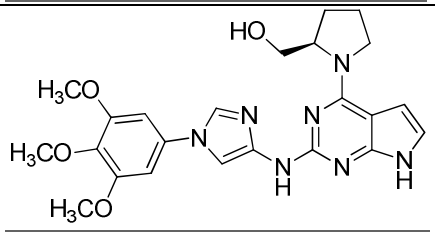
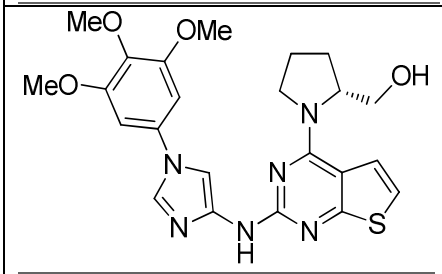
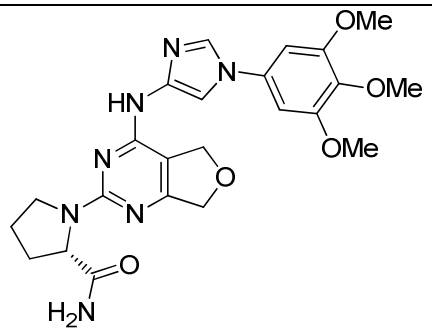
	
	
	
	
	

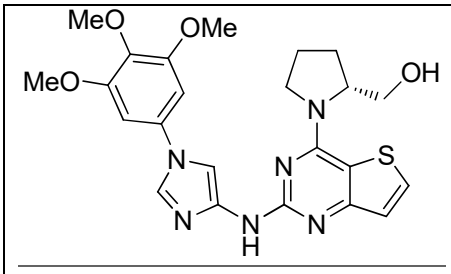
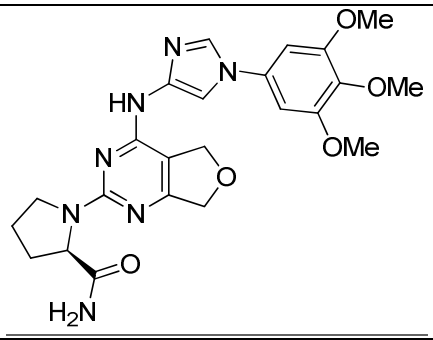
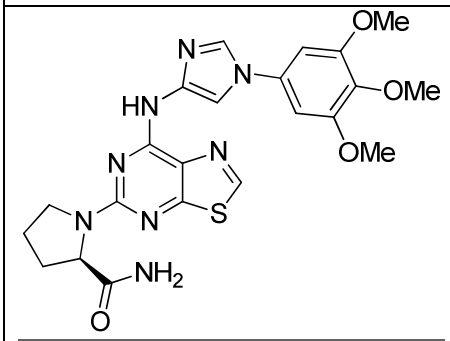
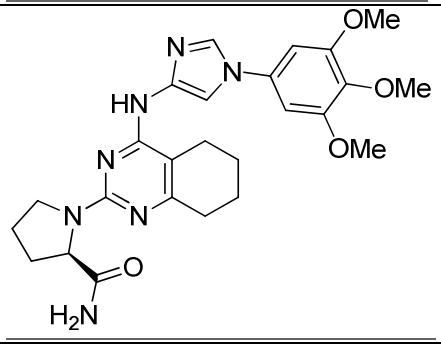
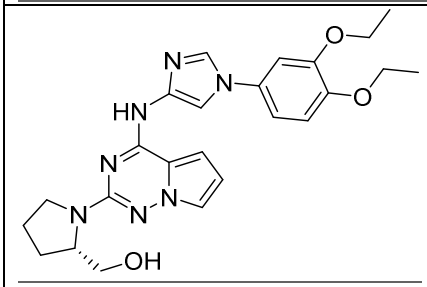
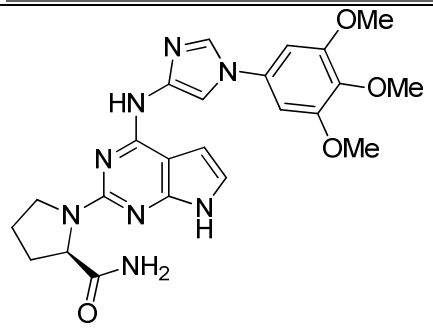
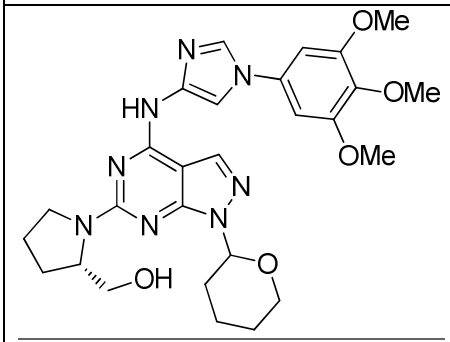
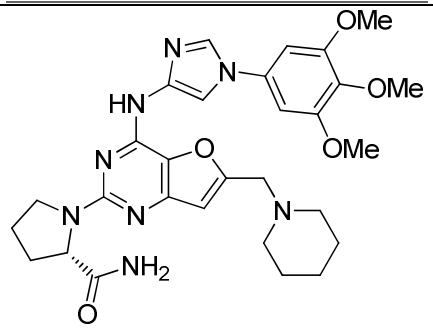
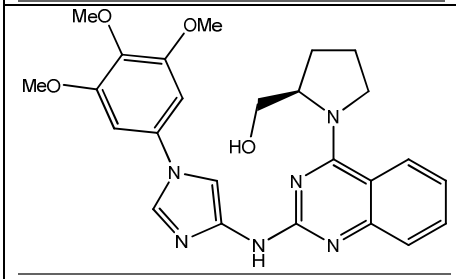
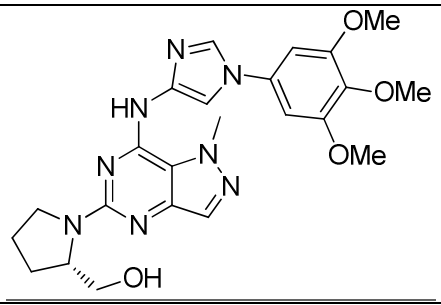
	
	
	
	
	

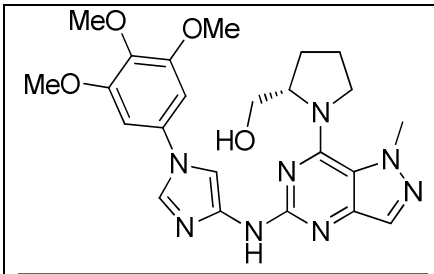
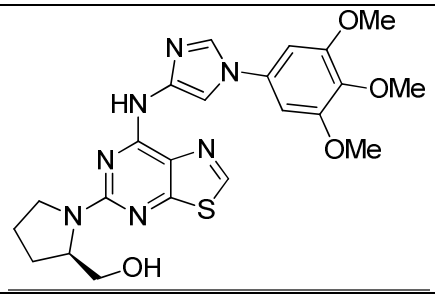
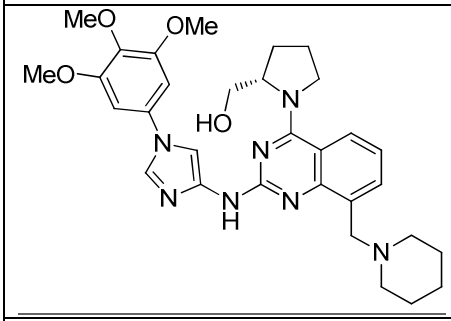
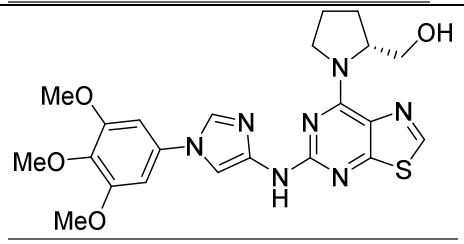
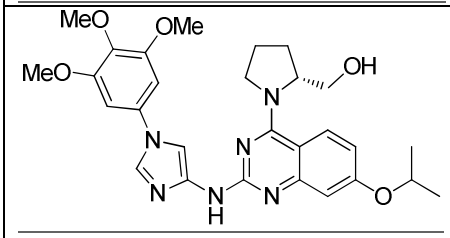
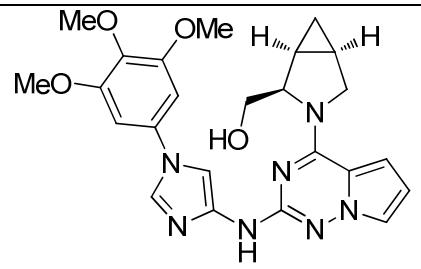
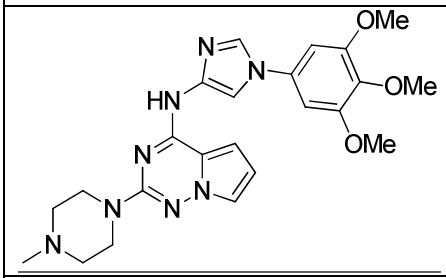
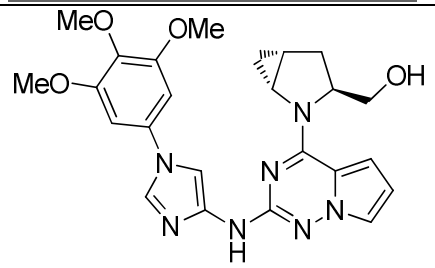
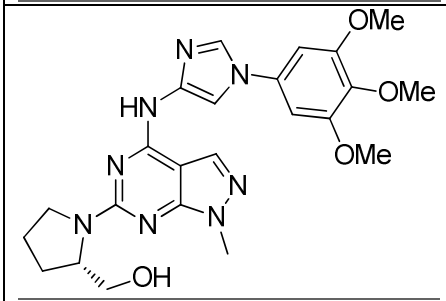
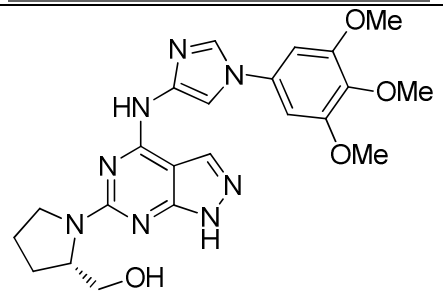
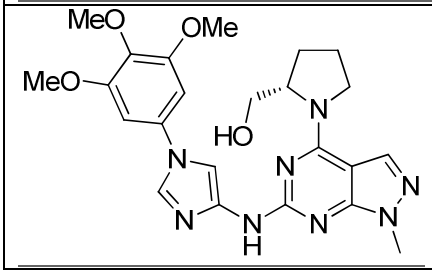
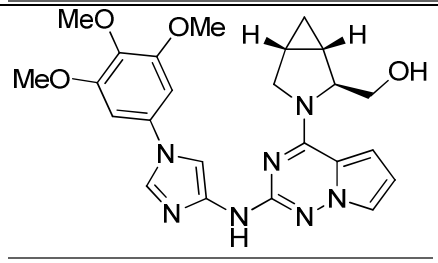
	
	
	
	
	
	

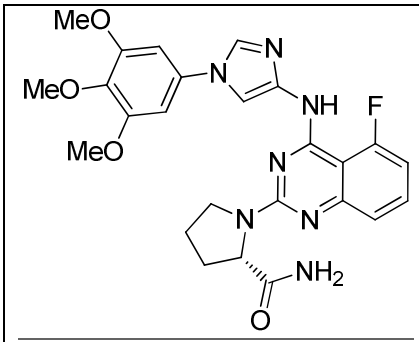
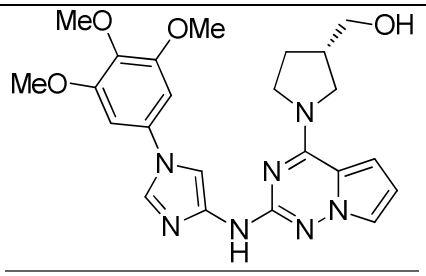
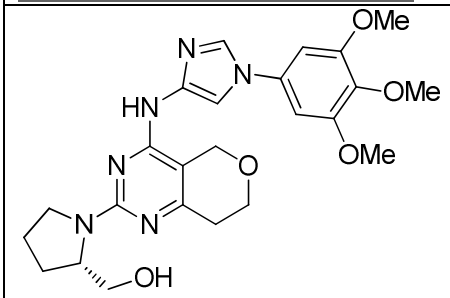
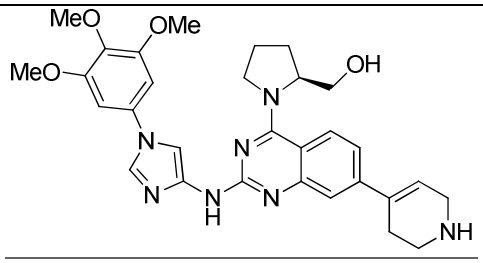
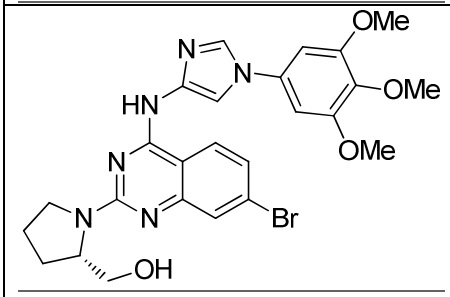
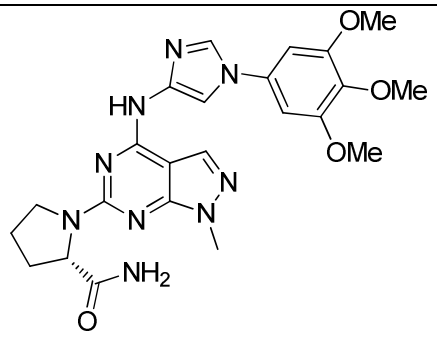
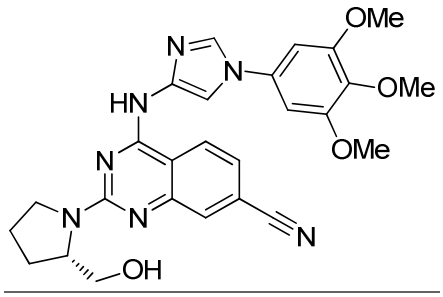
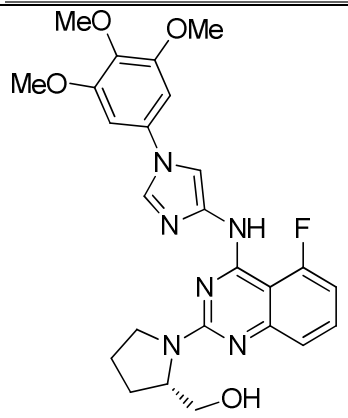
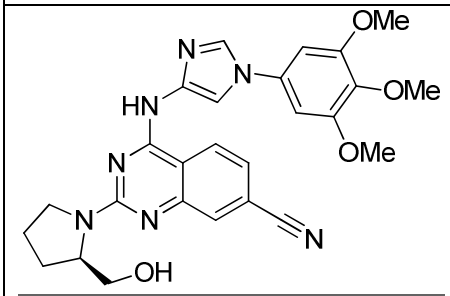
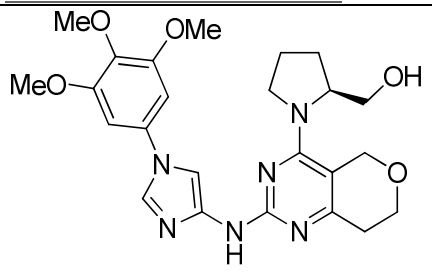
	
	
	
	
	

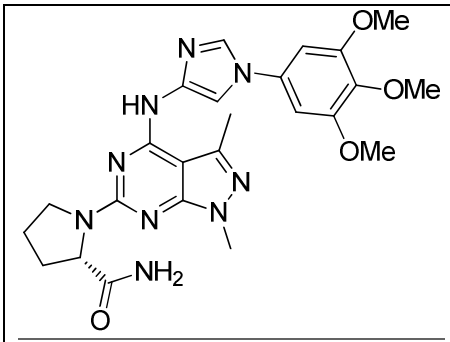
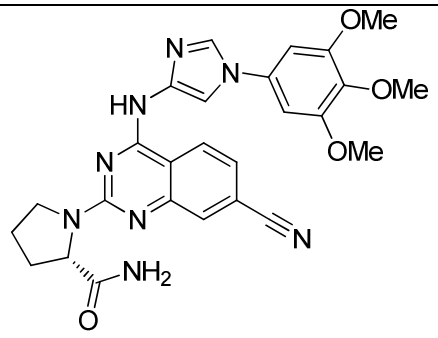
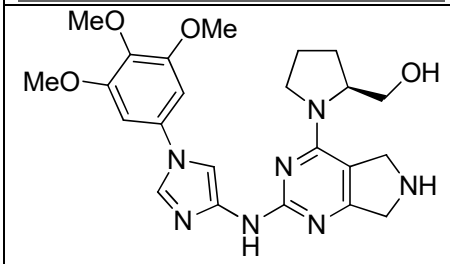
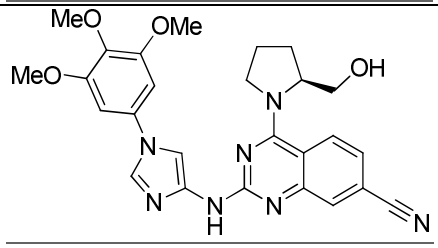
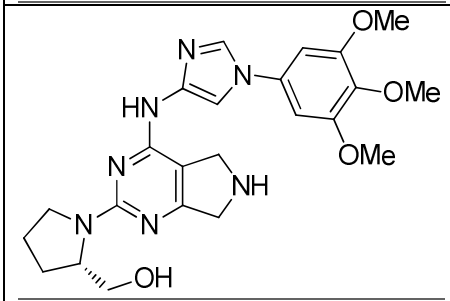
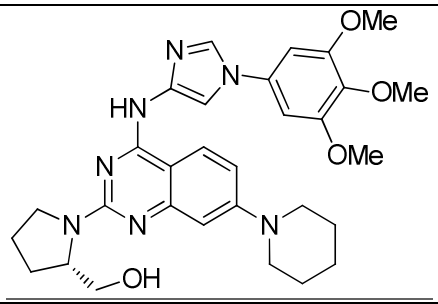
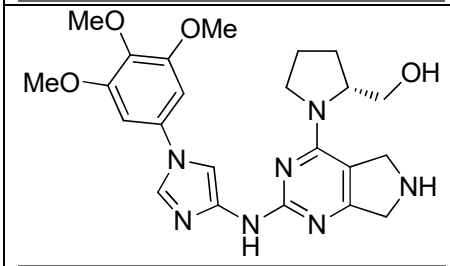
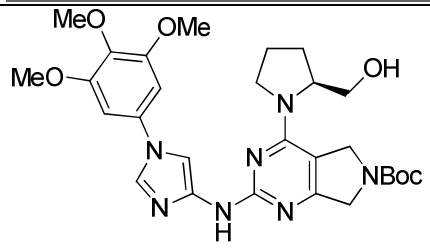
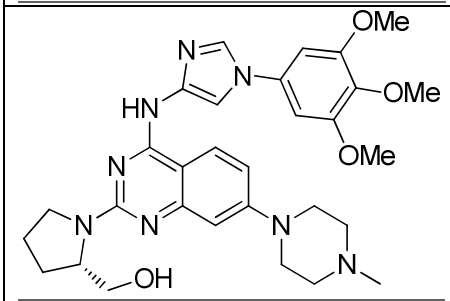
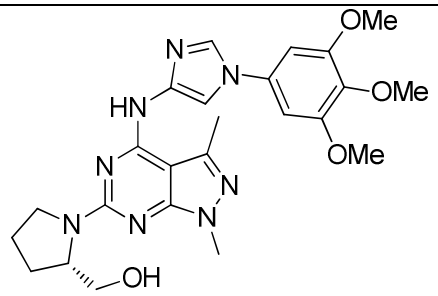
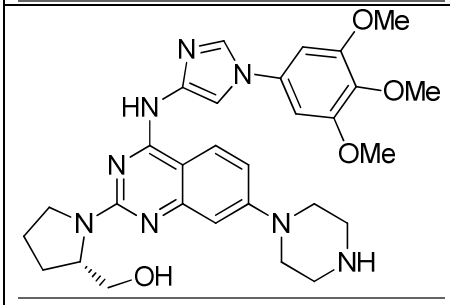
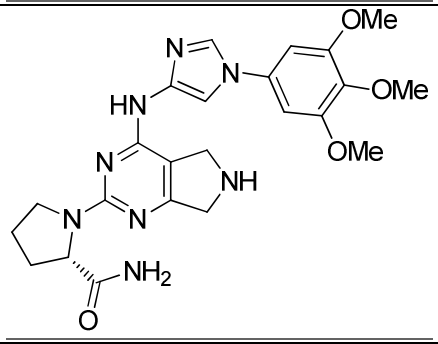
	
	
	
	
	

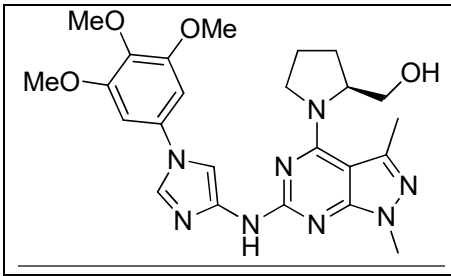
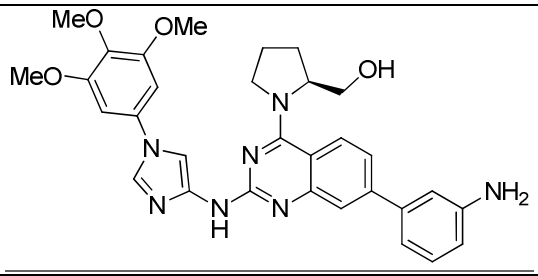
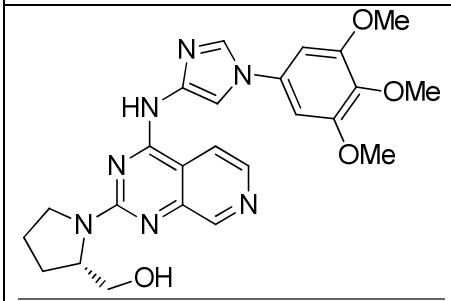
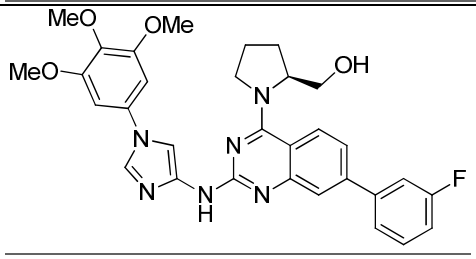
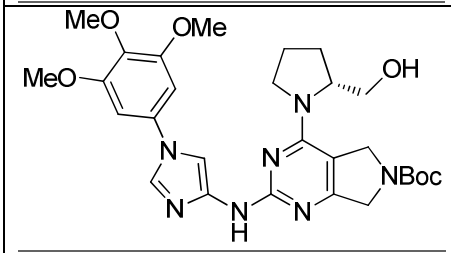
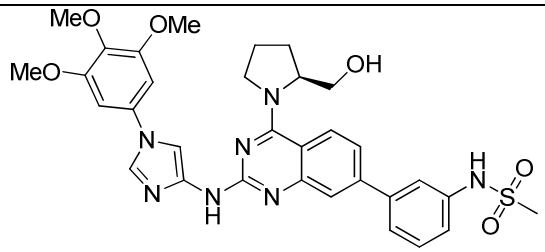
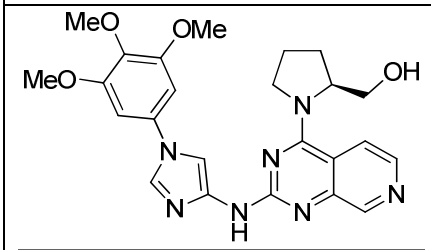
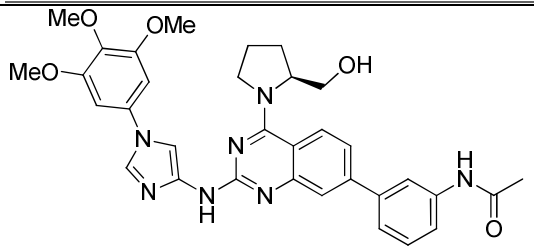
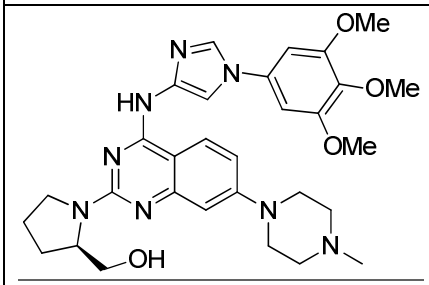
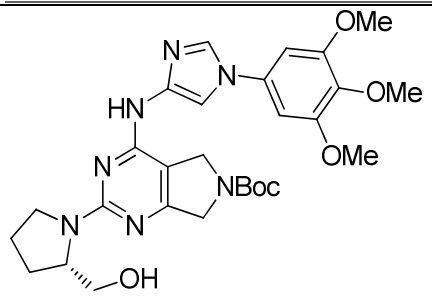
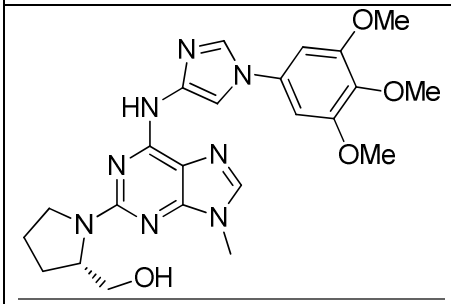
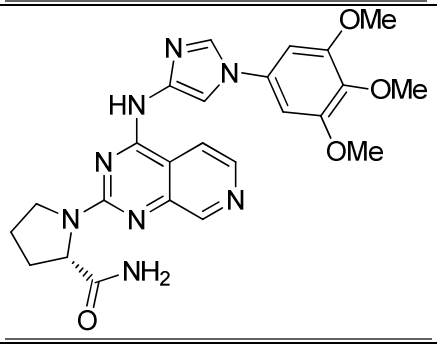
	
	
	
	
	

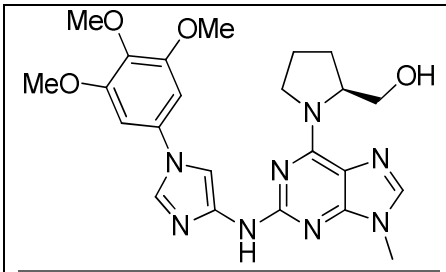
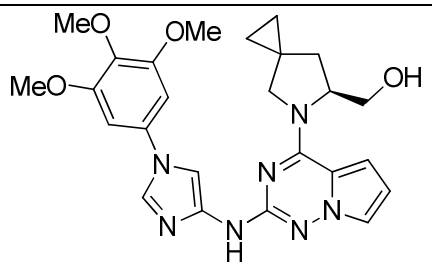
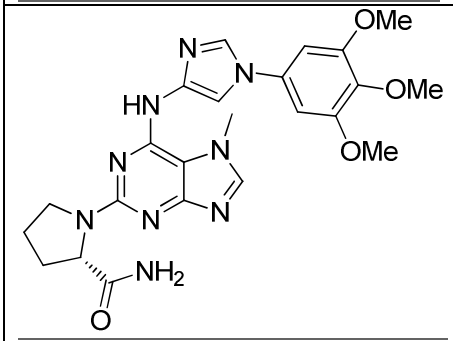
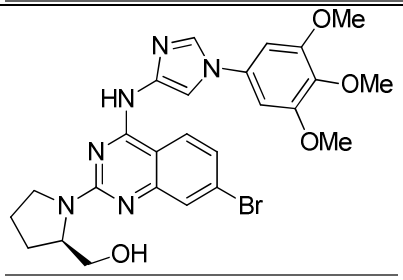
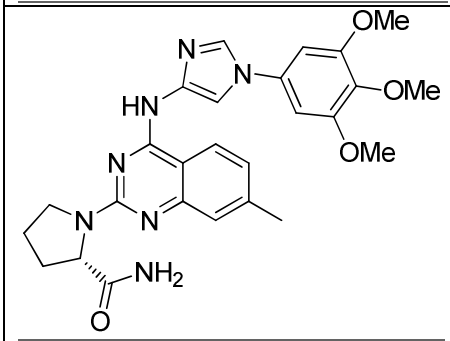
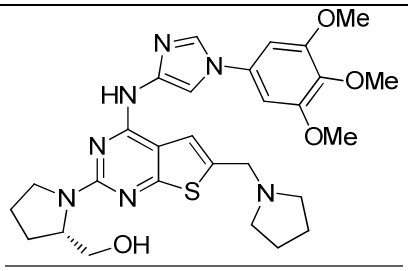
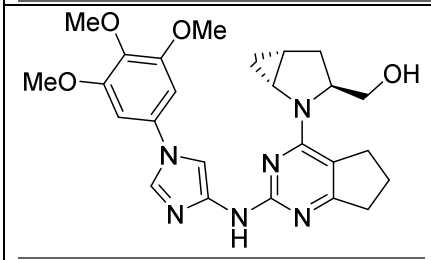
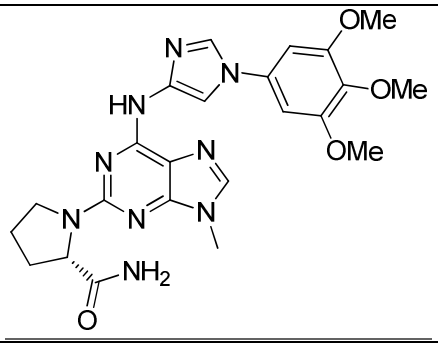
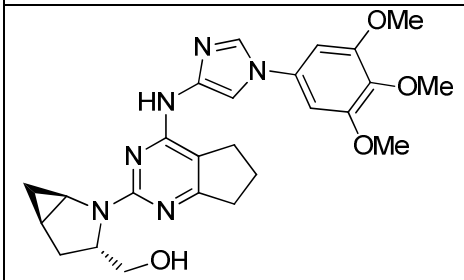
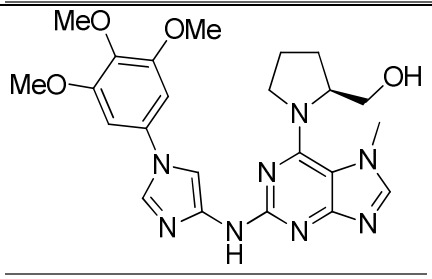
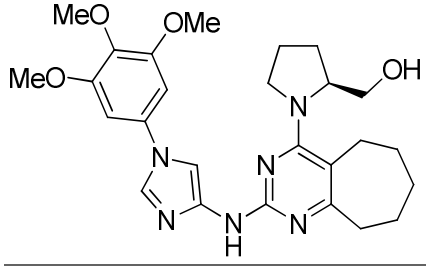
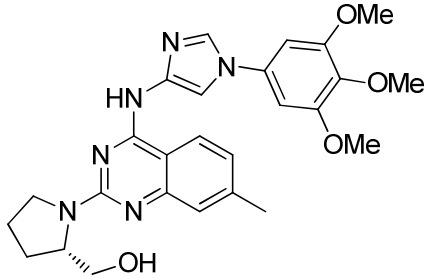
	
	
	
	
	

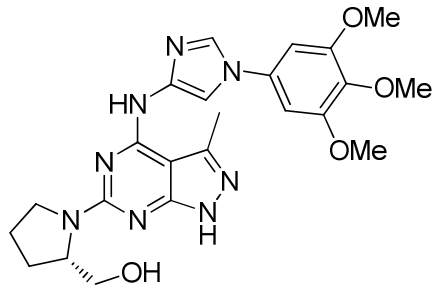
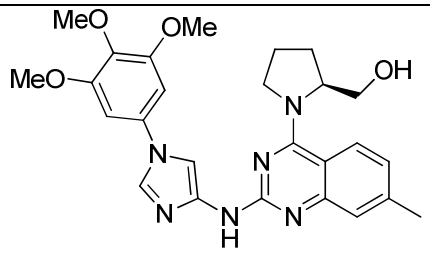
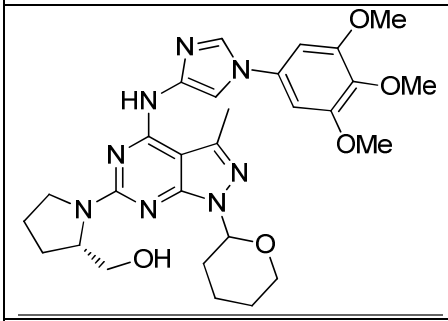
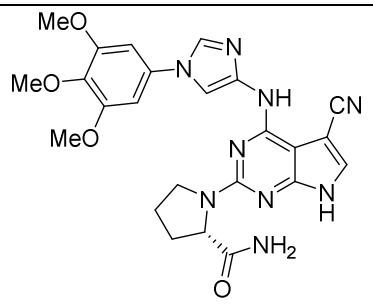
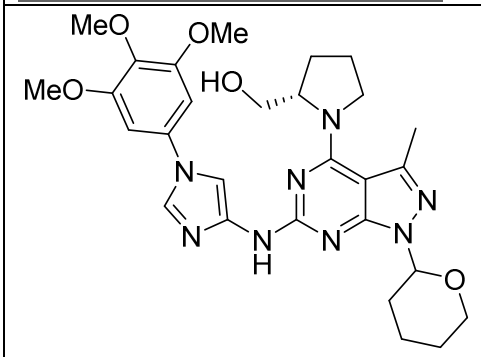
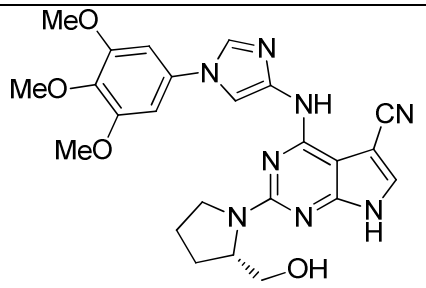
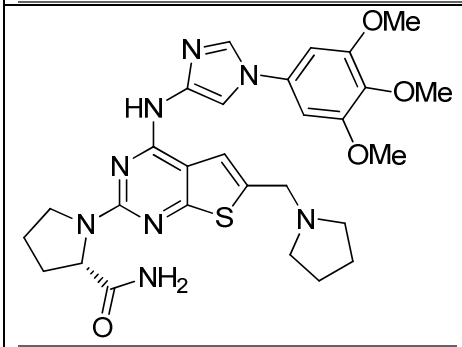
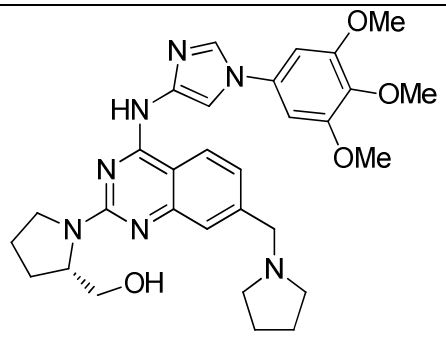
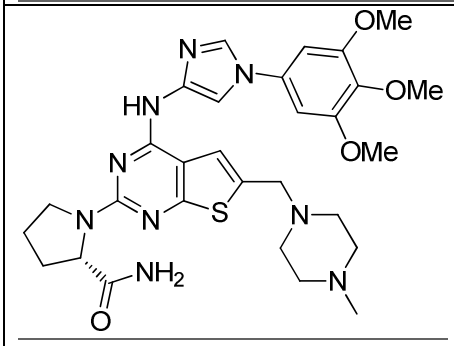
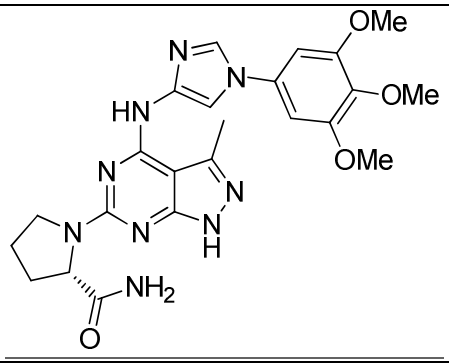
	
	
	
	
	
	

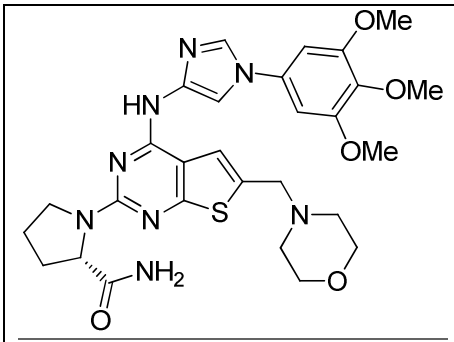
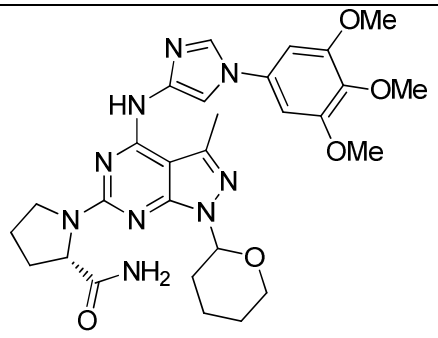
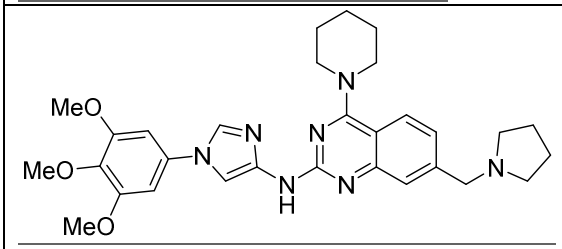
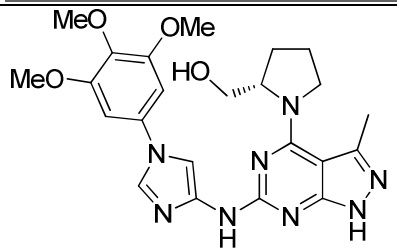
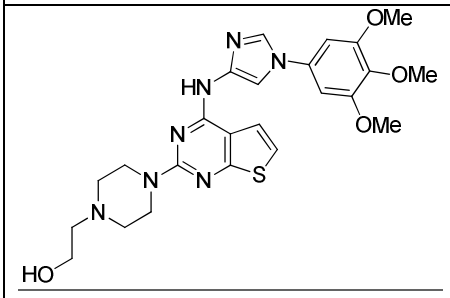
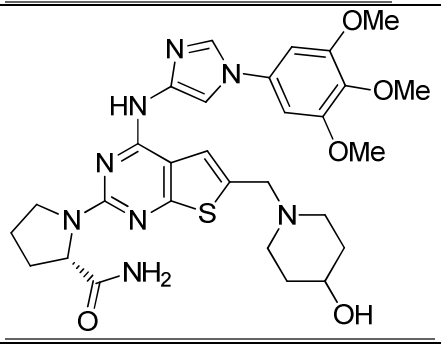
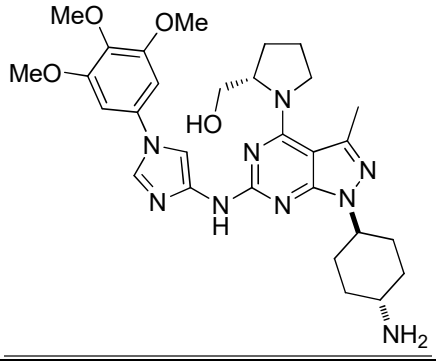
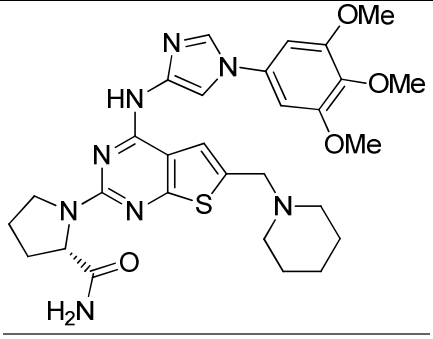
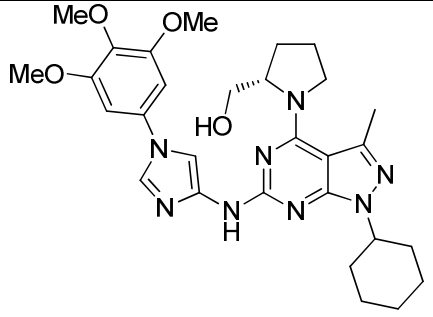
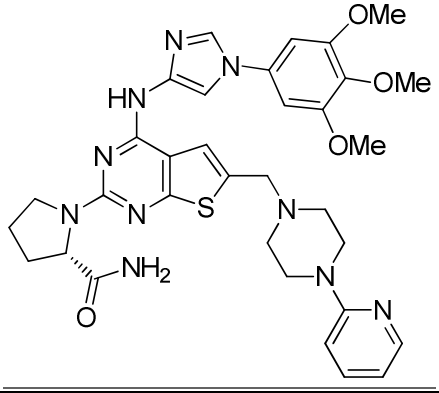
	
	
	
	
	

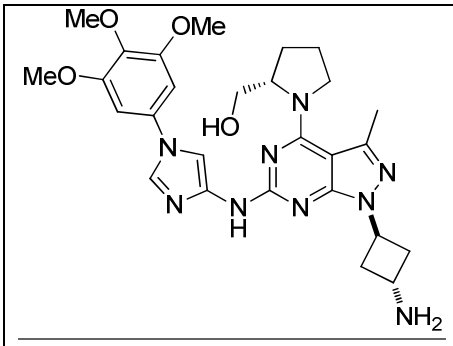
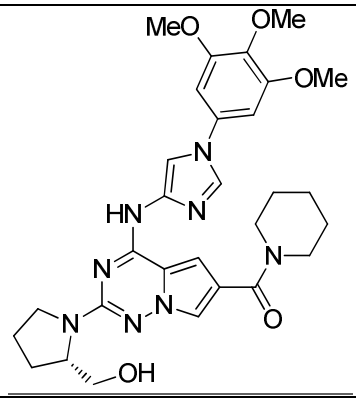
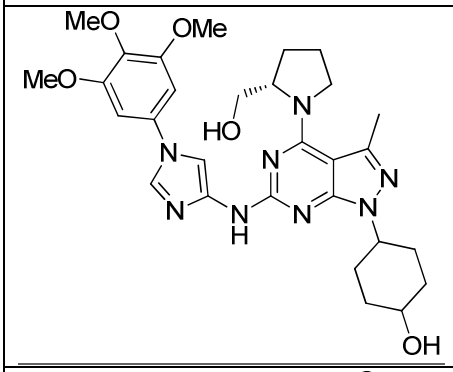
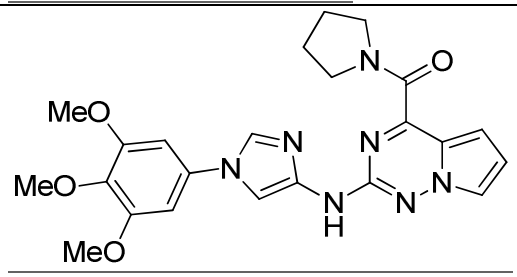
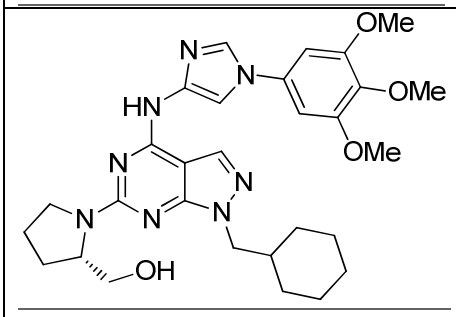
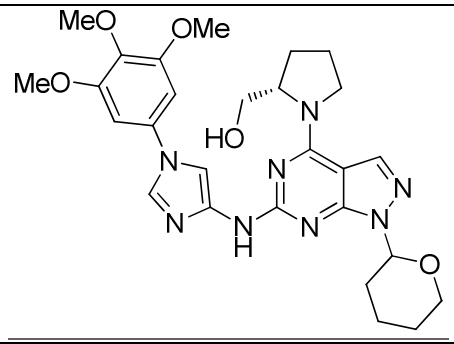
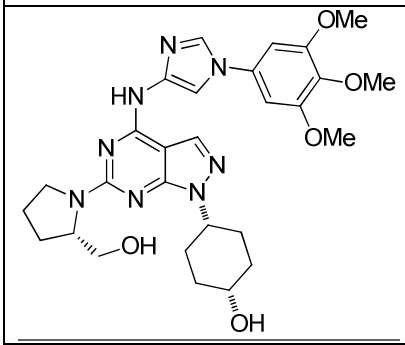
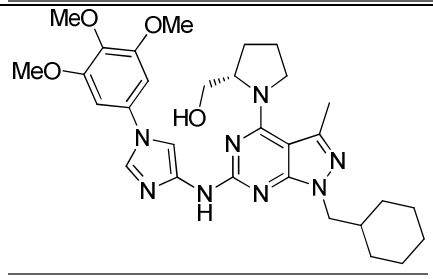
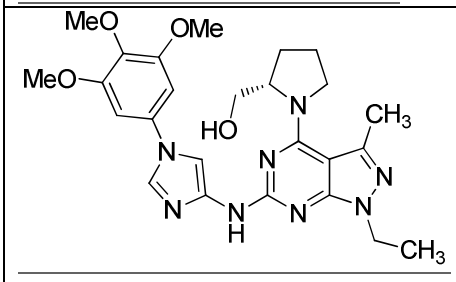
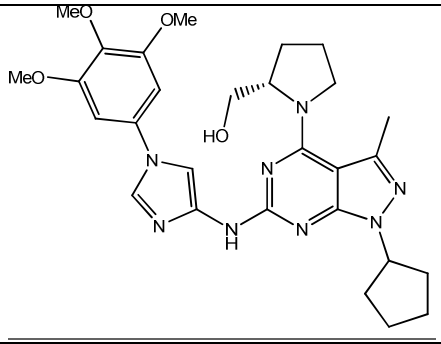
	
	
	
	
	
	

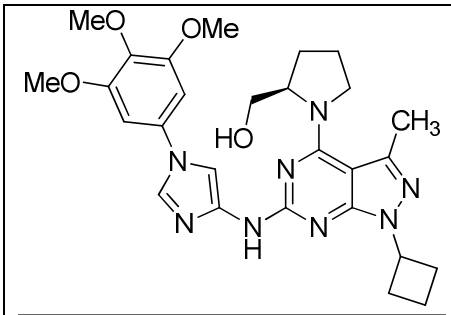
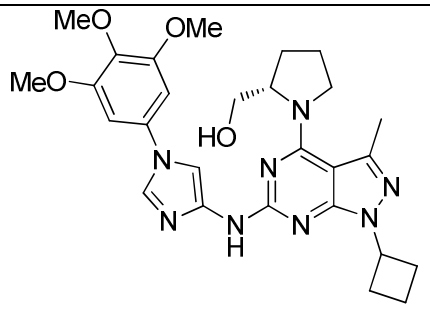
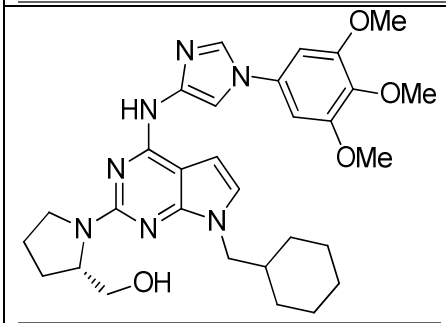
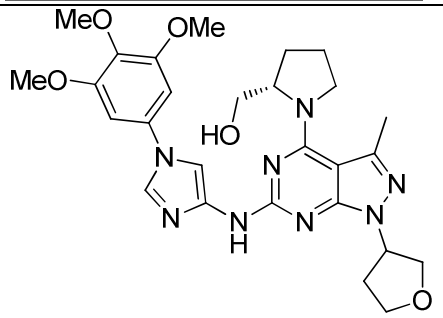
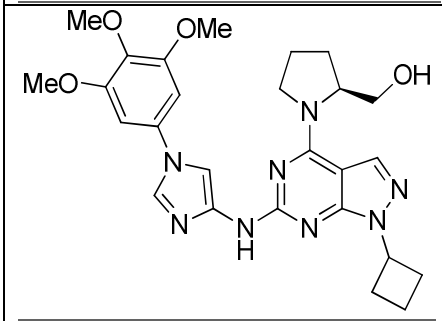
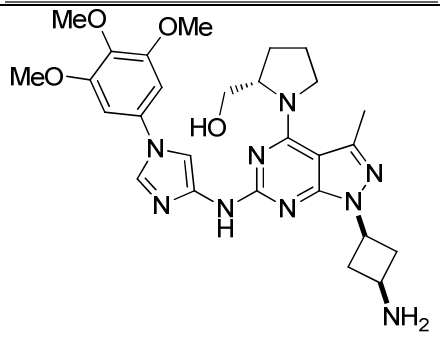
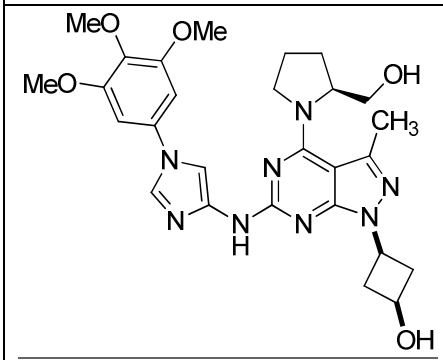
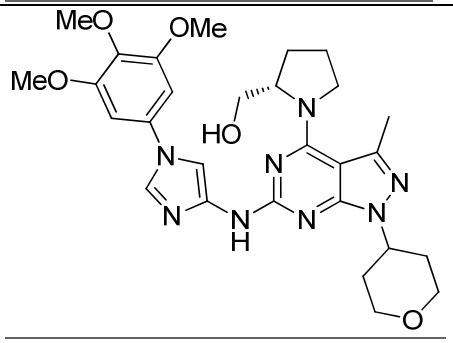
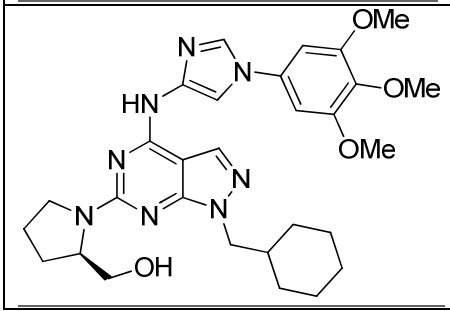
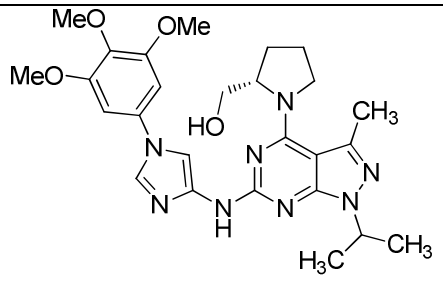
	
	
	
	
	
	

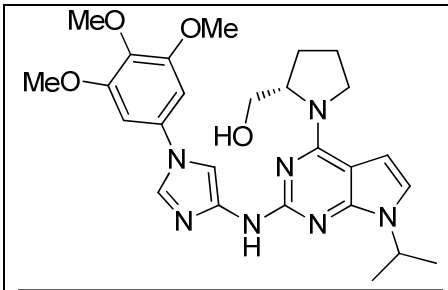
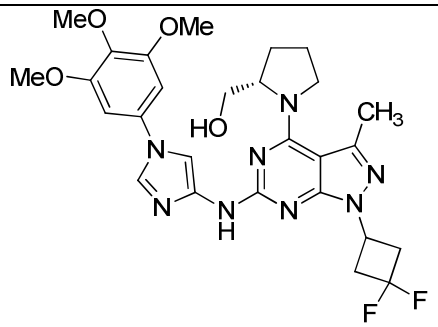
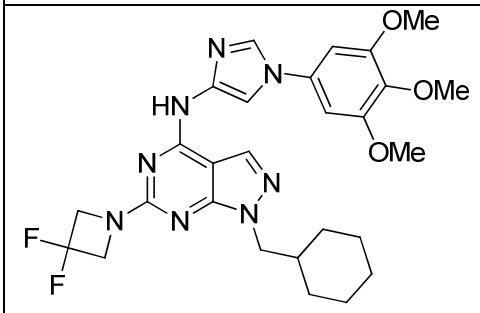
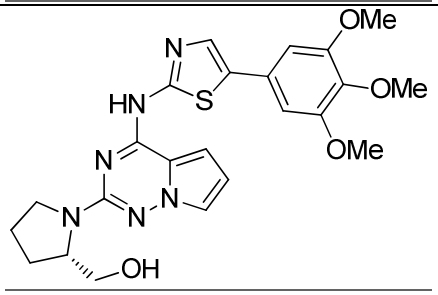
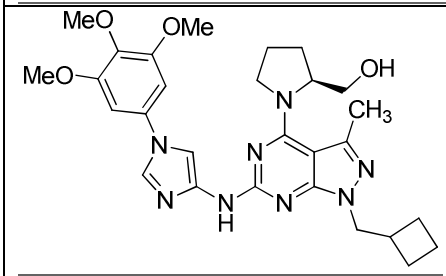
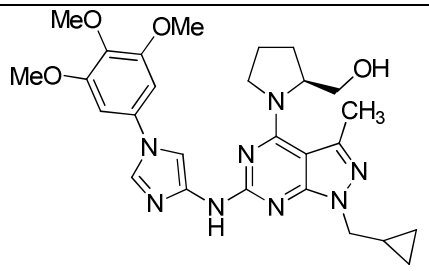
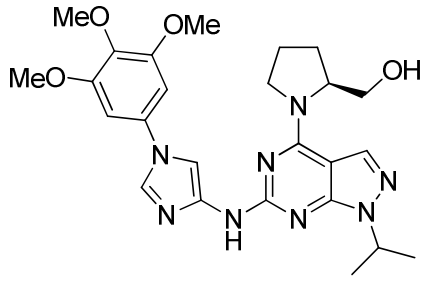
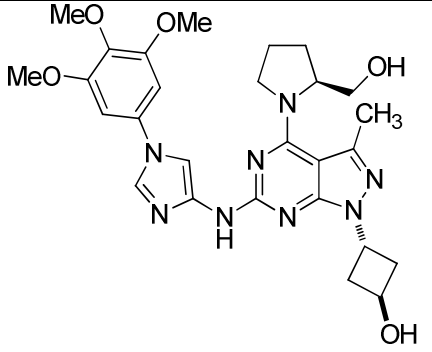
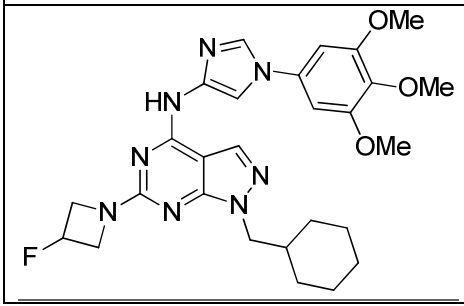
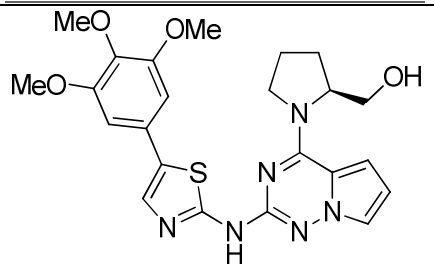
	
	
	
	
	
	

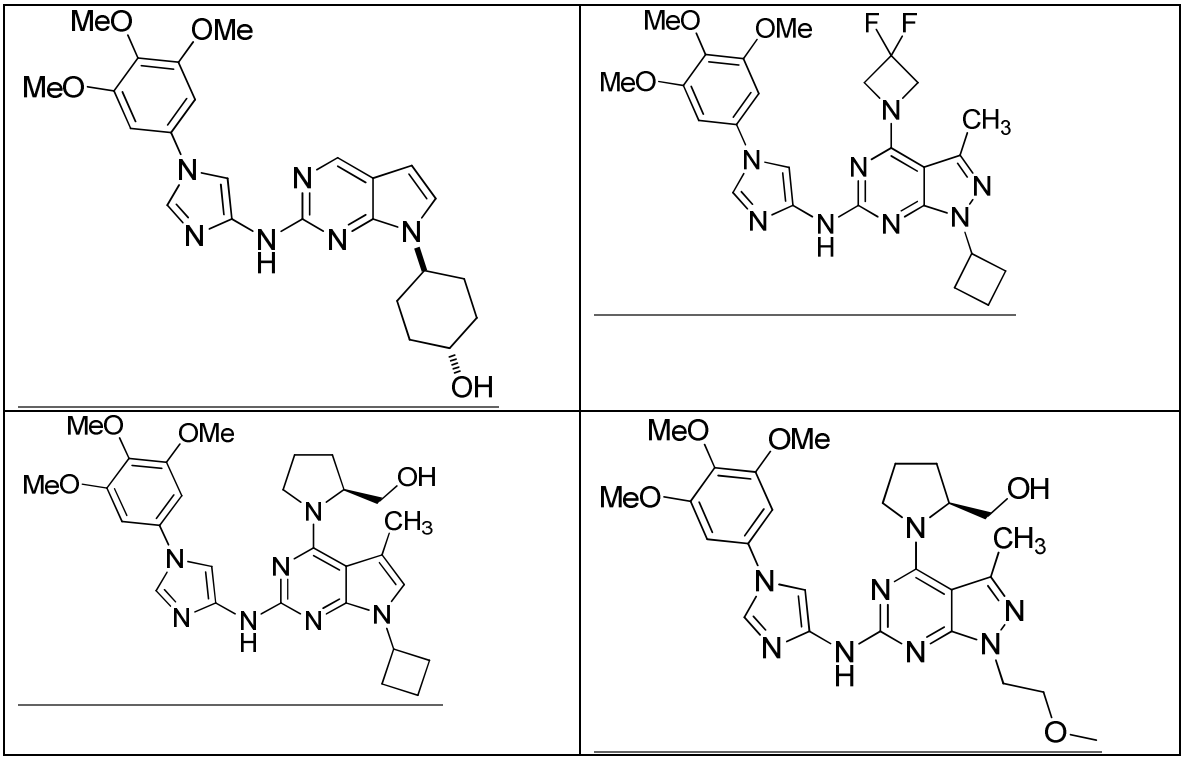
	
	
	
	
	

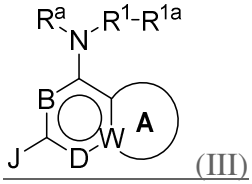
	
	
	
	
	

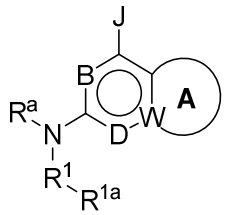
	
	
	
	
	



21. A compound represented by formula (III) or formula (IV):



(III)



(IV)

or a pharmaceutically acceptable salt thereof;

wherein:

A is a fused aromatic ring, heteroaromatic ring, partially unsaturated cycloalkyl ring, or partially unsaturated heterocycloalkyl ring optionally substituted by one or more occurrences of R^4;

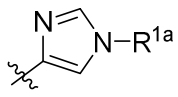
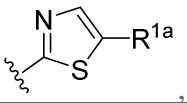
W is C or N;

B is CH or N;

D is CH or N;

provided that when B is CH, then D is N; or when D is CH, then B is N;

R^a represents H or alkyl;

$-R^1-R^{1a}$ represents  or , wherein R^{1a} represents phenyl substituted by two or more occurrences of alkoxy, and the phenyl is further optionally substituted;

J represents H, halo, $-OR^2$, $-NR^2R^3$, $-C(O)NR^2R^3$, -C(O)O(alkyl), -C(O)OH, aryl, or heteroaryl, wherein aryl or heteroaryl is optionally substituted by one or more occurrences of R^{2a};

R^2 represents optionally substituted alkyl, aralkyl, heteroaralkyl, cycloalkyl, heterocycloalkyl, (cycloalkyl)alkyl, (heterocycloalkyl)alkyl, or hydroxyalkyl;

R^3 represents H or alkyl; or

R^2 and R^3, taken together, form a heterocycloalkyl ring, optionally substituted by one or more occurrences of R^{2a};

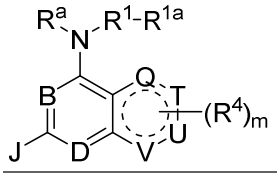
R^{2a}, independently for each occurrence, represents halo, hydroxyl, -C(O)H, oxo, $-NH_2$, $-C(O)NH_2$, -C(O)OH, $-C(O)R^5$, $-C(O)OR^5$, $-C(O)NH(R^5)$, or optionally substituted alkyl, alkoxyl, hydroxyalkyl, heteroaryl, aryl, aryloxy, heteroaryloxy, arylalkyloxy, heteroarylalkyloxy, or $-N(alkyl)_2$;

or any two geminal or vicinal occurrences of R^{2a}, taken together, may form a spiro or fused cycloalkyl ring;

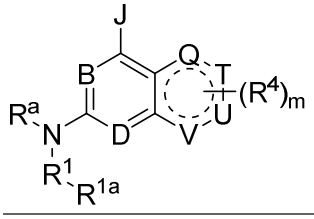
R^4, independently for each occurrence, represents halo, cyano, or optionally substituted alkyl, alkenyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkoxy, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocycloalkyl, heterocycloalkenyl, (heterocycloalkyl)alkyl, cycloalkyl, (cycloalkyl)alkyl, halocycloalkyl, hydroxycycloalkyl, aminocycloalkyl, aryloxy, heteroaryloxy, arylalkyloxy, heteroarylalkyloxy, $-CH_2C(O)NH_2$, $-C(O)R^5$, $-C(O)OR^5$, or $–S(O)_2R^5$; and

R^5, independently for each occurrence, represents optionally substituted alkyl, aralkyl, aryl, heteroaralkyl, heteroaryl, cycloalkyl, heterocycloalkyl, (cycloalkyl)alkyl, or (heterocycloalkyl)alkyl.

22. The compound of claim 21, wherein the compound is represented by formula (IIIa) or formula (IVa):



(IIIa)



(IVa);

wherein:

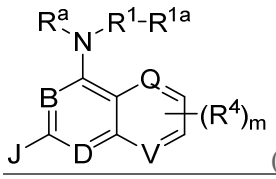
valence permitting, Q, T, U, and V each independently represent CH, CH_2, N, NH, O, or SO_2, wherein any hydrogen of a CH, CH_2, or NH group is optionally replaced by an occurrence of R^4;

R^4, independently for each occurrence, represents halo, cyano, or optionally substituted alkyl, alkenyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkoxy, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocycloalkyl, heterocycloalkenyl, (heterocycloalkyl)alkyl, cycloalkyl, (cycloalkyl)alkyl, halocycloalkyl, hydroxycycloalkyl, aminocycloalkyl, aryloxy, heteroaryloxy, arylalkyloxy, heteroarylalkyloxy, $-CH_2C(O)NH_2$, $-C(O)R^5$, $-C(O)OR^5$, or $–S(O)_2R^5$; and

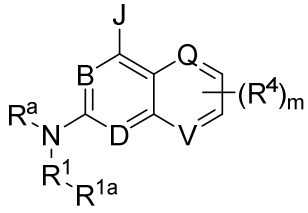
m is an integer from 0-4, as permitted by valence.

23. The compound of claim 22, wherein the compound is represented by:

(a) formula (IIIb) or (IVb):



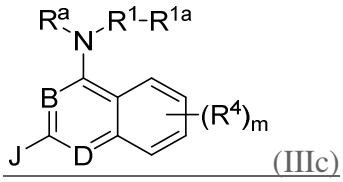
(IIIb)



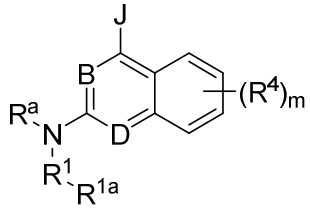
(IVb);

wherein Q represents CH or N, and V represents CH or N;

(b) formula (IIIc) or (IVc):

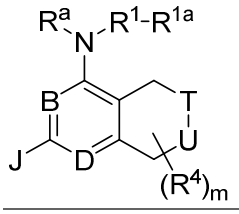


(IIIc)

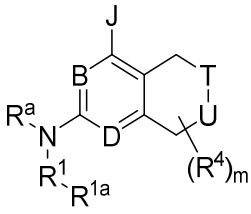


(IVc);

(c) formula (IIId) or (IVd):



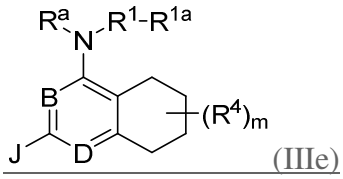
(IIId)



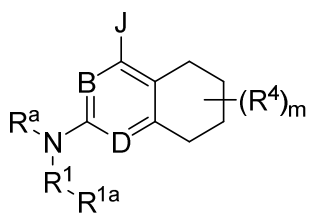
(IVd);

wherein T represents CH_2, NH, O, or SO_2; and U represents CH_2, NH, O, or SO_2; or

(d) formula (IIIe) or (IVe):



(IIIe)

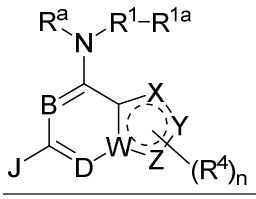


(IVe).

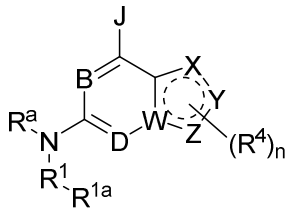
24. The compound of claim 23, wherein the compound is represented by formula (IIIb) or (IVb); and wherein Q is N; and V is CH; or wherein Q is CH; and V is N.

25. The compound of claim 23, wherein the compound is represented by formula (IIId) or (IVd); and wherein T is NH; and U is CH_2; or wherein T is CH_2; and U is NH.

26. The compound of claim 21, wherein the compound is represented by formula (IIIj) or formula (IVj):



(IIIj)



(IVj);

wherein:

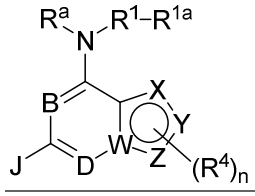
W is C or N;

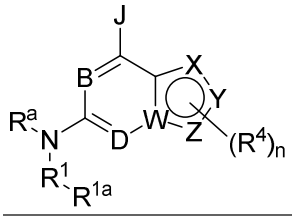
valence permitting, X, Y, and Z each independently represent CH, CH_2, CO, N, NH, O, S, or SO_2, wherein any hydrogen of a CH, CH_2, or NH group is optionally replaced by an occurrence of R^4;

R^4, independently for each occurrence, represents halo, cyano, or optionally substituted alkyl, alkenyl, haloalkyl, hydroxyalkyl, aminoalkyl, alkoxy, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocycloalkyl, heterocycloalkenyl, (heterocycloalkyl)alkyl, cycloalkyl, (cycloalkyl)alkyl, halocycloalkyl, hydroxycycloalkyl, aminocycloalkyl, aryloxy, heteroaryloxy, arylalkyloxy, heteroarylalkyloxy, $-CH_2C(O)NH_2$, $-C(O)R^5$, $-C(O)OR^5$, or $–S(O)_2R^5$; and

n is an integer from 0-4, as permitted by valence.

27. The compound of claim 26, wherein the compound is represented by formula (IIIk) or (IVk):

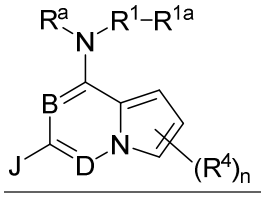

(IIIk)

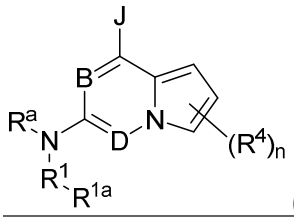

(IVk);

wherein X, Y, and Z each independently represent CH, N, NH, O, S, or SO_2.

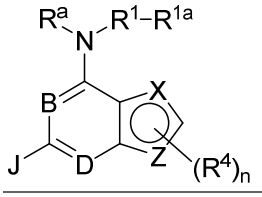
28. The compound of claim 27, wherein the compound is represented by:

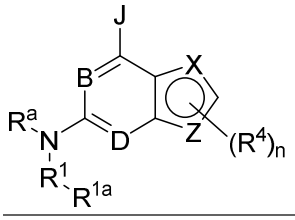
(a) formula (IIIk') or (IVk'):


(IIIk')


(IVk');

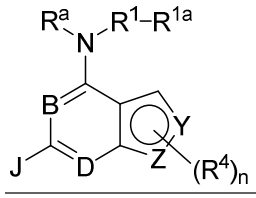
(b) formula (IIIk") or (IVk"):

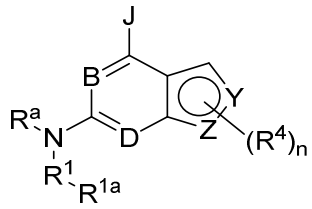

(IIIk")


(IVk");

wherein at least one of X and Z is selected from the group consisting of O, N, NH, and S; or

(c) formula (IIIn) or (IVn):


(IIIn)


(IVn)

wherein each of Y and Z are selected from the group consisting of O, N, NH, and S.

29. The compound of claim 28, wherein the compound is represented by formula (IIIk") or (IVk"), and:

(a) one of X and Z is selected from the group consisting of O, NH, and S, and the other of X and Z is CH;

(b) X is selected from the group consisting of O, NH, and S;

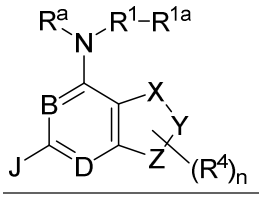
(c) Z is selected from the group consisting of O, NH, and S;

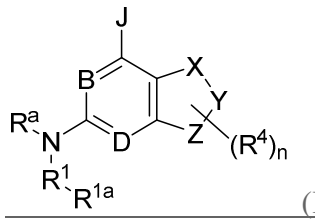
(d) each of X and Z are selected from the group consisting of O, N, NH, and S; or

(e) one of X and Z is N and the other of X and Z is NH.

30. The compound of claim 28, wherein the compound is represented by formula (IIIn) or (IVn), Y is N, and Z is NH.

31. The compound of claim 26, wherein the compound is represented by formula (IIIm) or (IVm):


(IIIm)

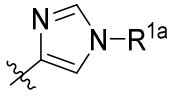

(IVm);

wherein X, Y, and Z each independently represent CH_2, CO, NH, O, S, or SO_2.

32. The compound of claim 31, wherein:
(a) each of X, Y, and Z is CH_2; or
(b) one of X, Y, and Z is NH or O.

33. The compound of any one of claims 21-32, wherein R^4, if present, is selected from the group consisting of optionally substituted alkyl, hydroxyalkyl, aminoalkyl, alkoxy, aryl, aralkyl, and (heterocycloalkyl)alkyl.

34. The compound of any one of claims 21-33, wherein R^a is H.

35. The compound of any one of claims 21-34, wherein $-R^1-R^{1a}$ represents 

.

36. The compound of any one of claims 21-35, wherein R^{1a} is 3,4,5-trimethoxyphenyl.

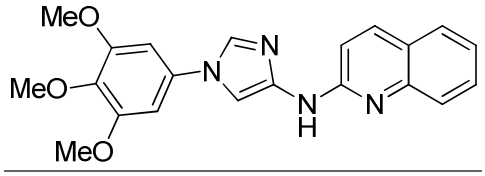
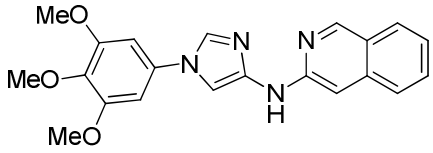
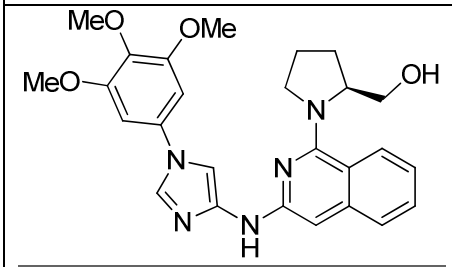
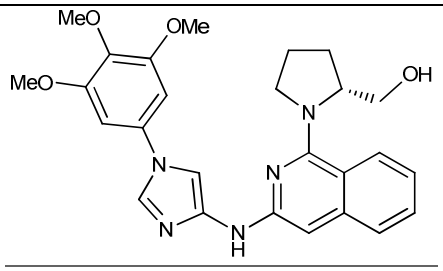
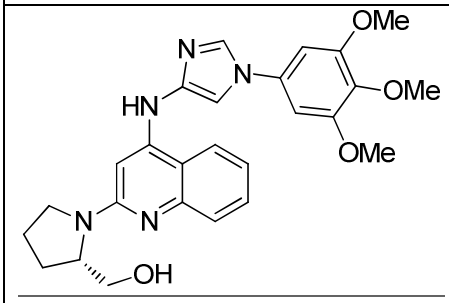
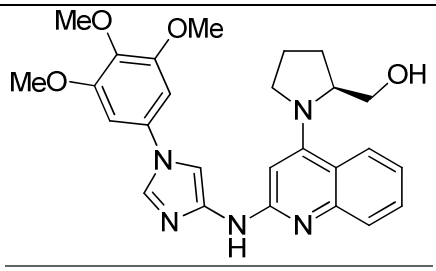
37. The compound of any one of claims 21-36, wherein:
(a) J is aryl, optionally substituted by one or more occurrences of R^{2a}; or
(b) J is $–NR^2R^3$.

38. The compound of claim 37, wherein J is $–NR^2R^3$; and:
(a) R^2 and R^3, taken together, form a heterocycloalkyl ring, optionally substituted by one or more occurrences of R^{2a}; or
(b) R^2 and R^3, taken together, form a pyrrolidine ring, optionally substituted by one or more occurrences of R^{2a}.

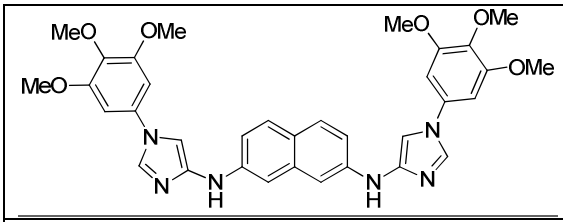
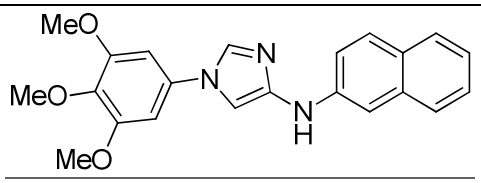
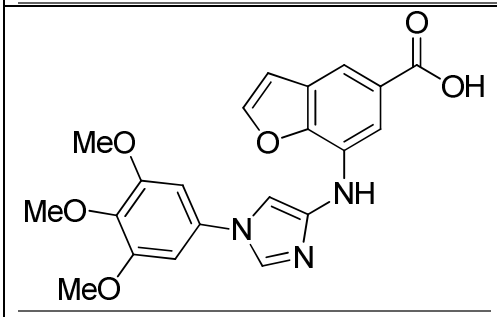
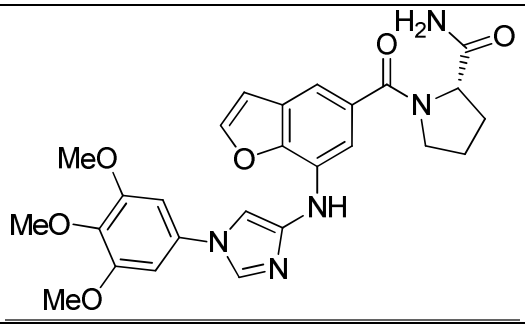
39. The compound of claim 37 or 38, wherein R^{2a}, independently for each occurrence, represents $-C(O)NH_2$, $-C(O)R^5$, hydroxyalkyl, heteroaryl, or aryl.

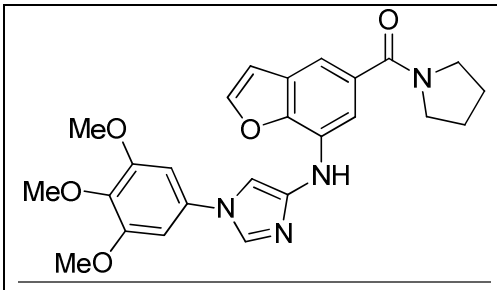
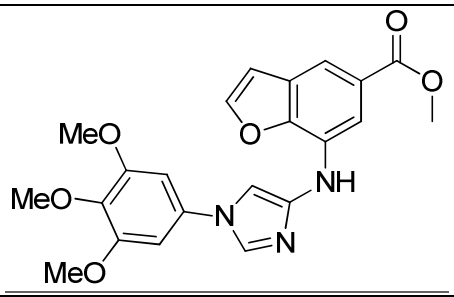
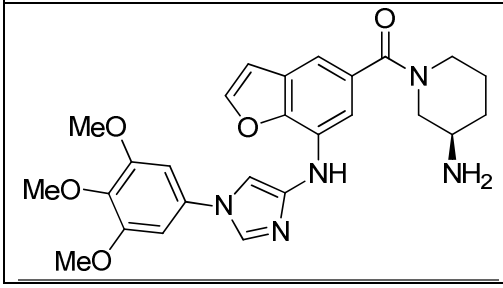
40. The compound of any one of claims 21-39, wherein the optional substituents are selected from halogen, haloalkyl, hydroxyl, carbonyl, carboxyl, alkoxycarbonyl, formyl, acyl, thiocarbonyl, thioester, thioacetate, thioformate, alkoxyl, alkenyloxy, alkynyloxy, phosphoryl, phosphate, phosphonate, phosphinate, amino, alkylamino, dialkylamino, amido, amidine, imine, cyano, nitro, azido, sulfhydryl, alkylthio, sulfate, sulfonate, sulfamoyl, sulfonamido, sulfonyl, silyl, silyloxy, heterocycloalkyl, cycloalkyl, alkyl, alkenyl, alkynyl, aryl, heteroaryl, arylalkyl, and heteroarylalkyl.

41. The compound of claim 21, selected from the following table:

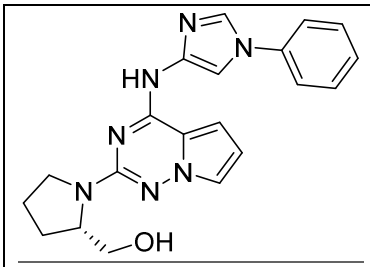
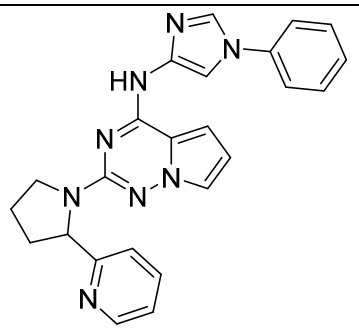
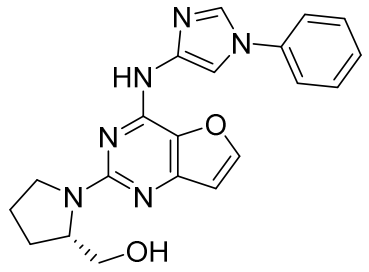
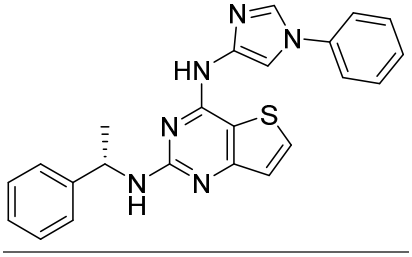
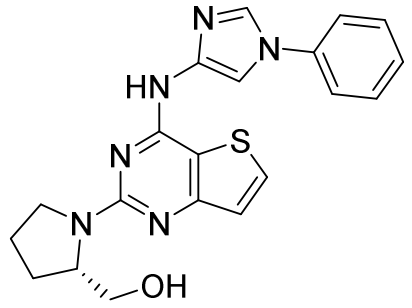
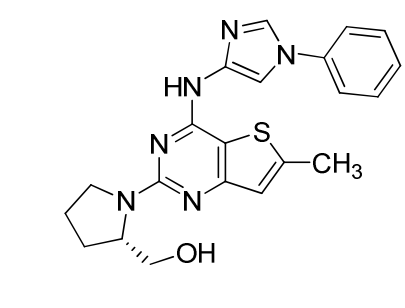
	
	
	

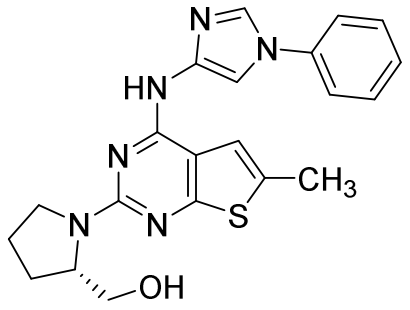
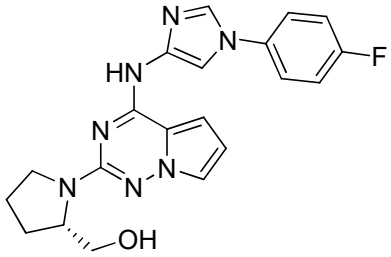
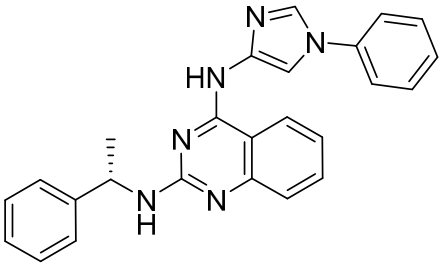
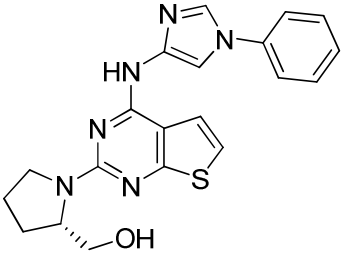
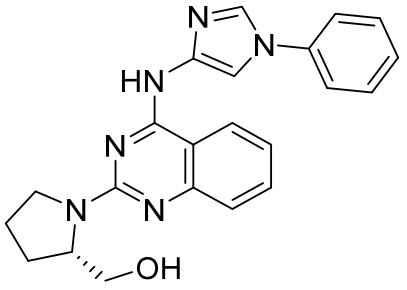
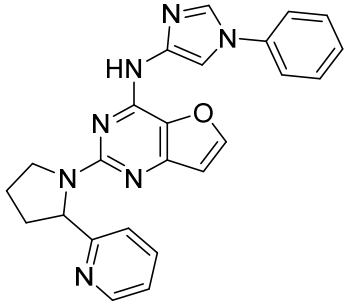
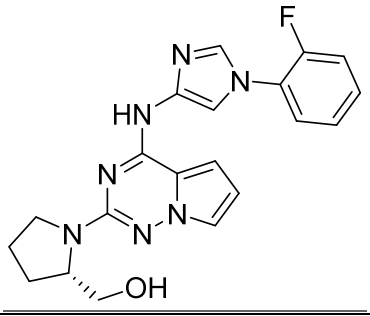
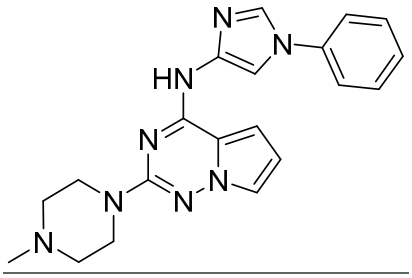
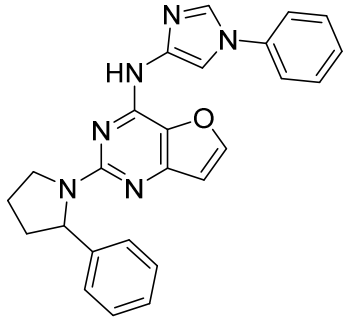
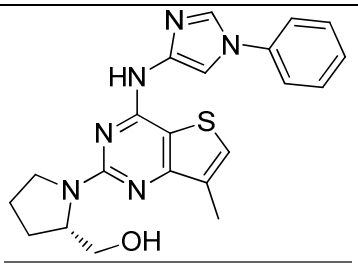
42. A compound, or a pharmaceutically acceptable salt thereof, selected from the following table:

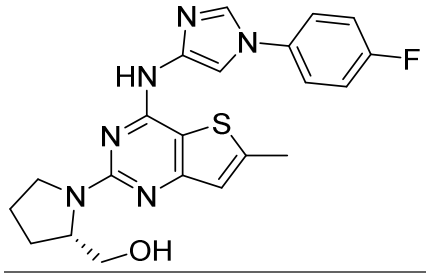
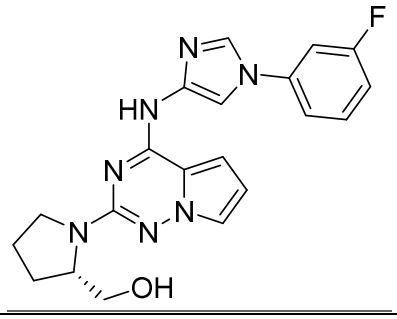
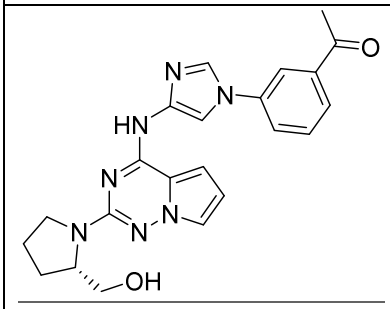
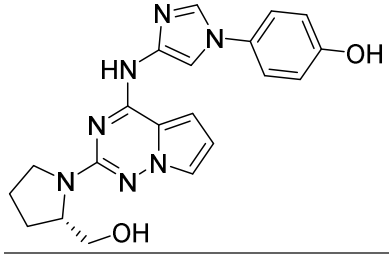
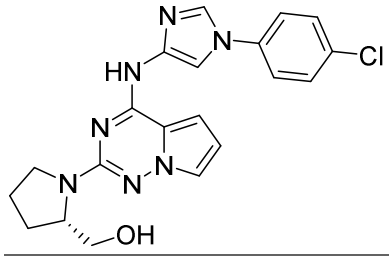
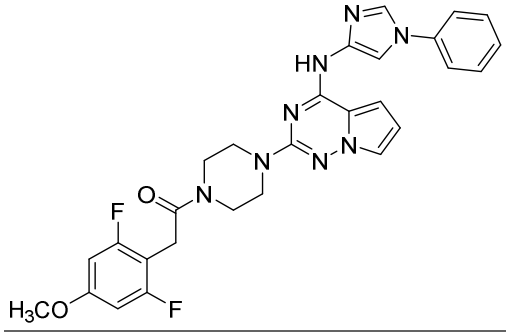
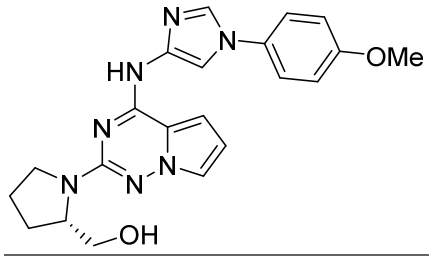
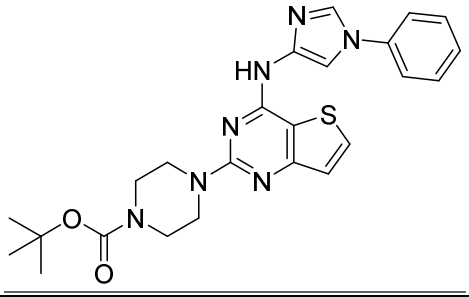
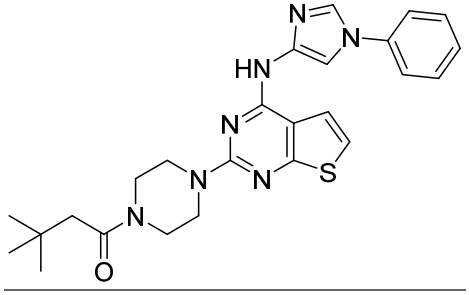
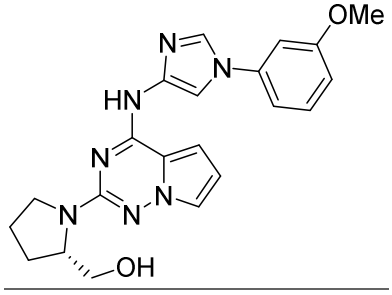
	
	

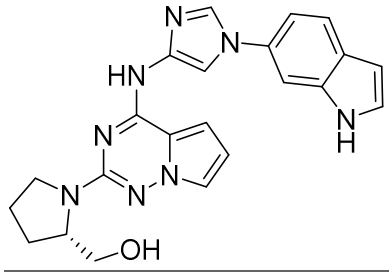
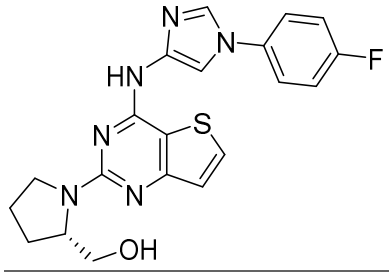
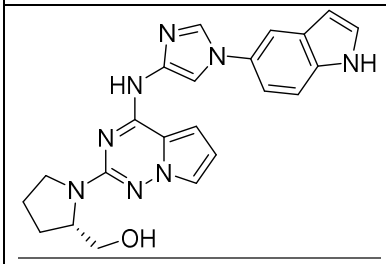
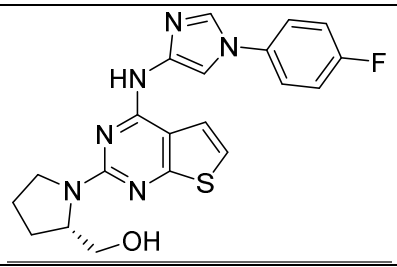
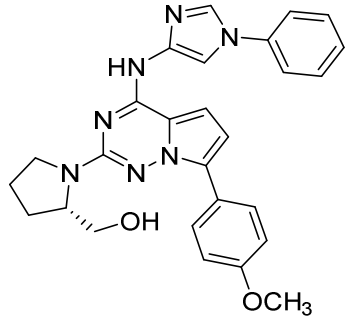
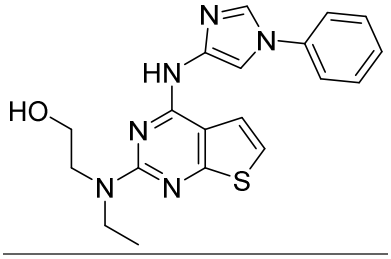
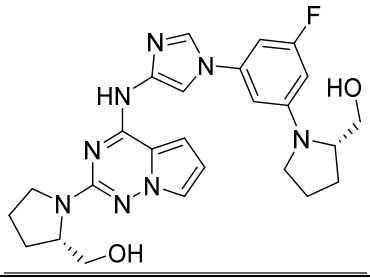
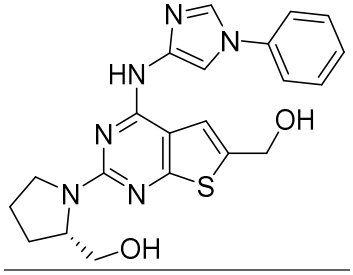
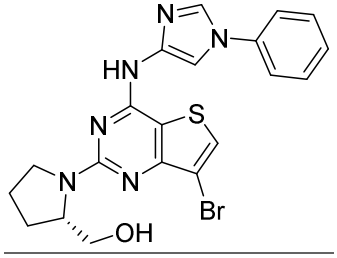
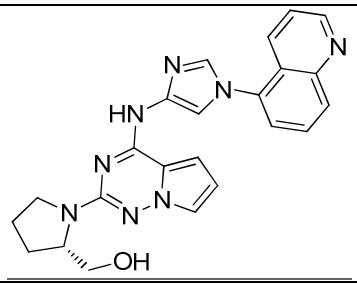
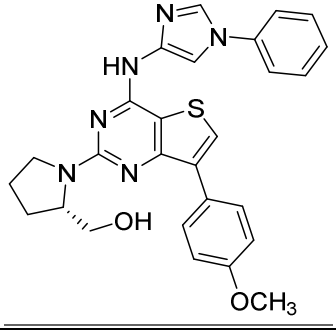
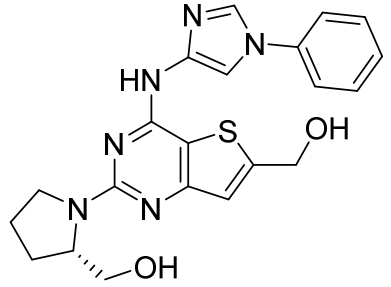
	
	

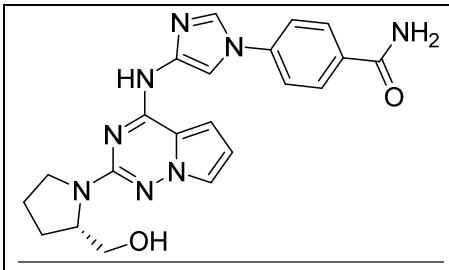
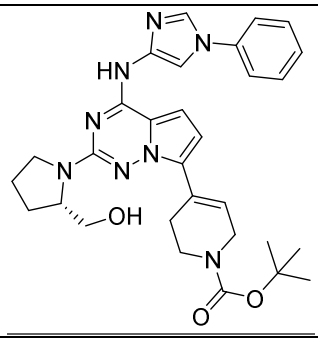
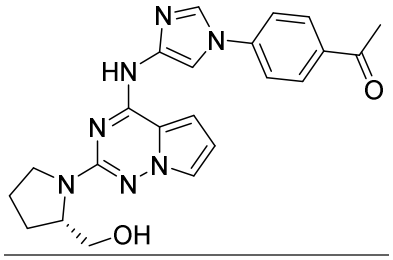
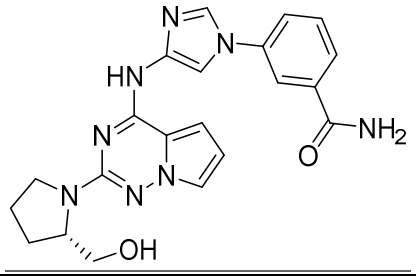
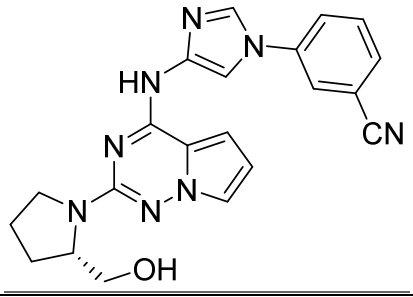
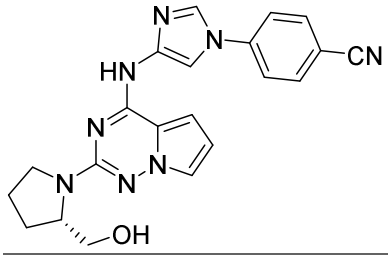
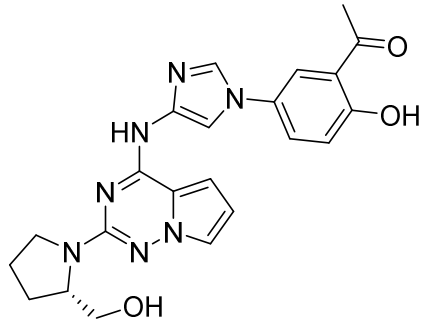
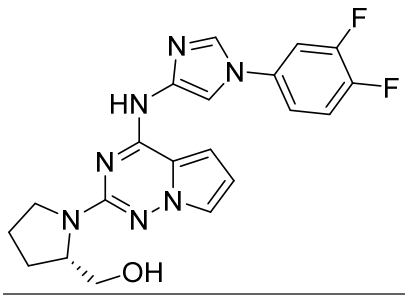
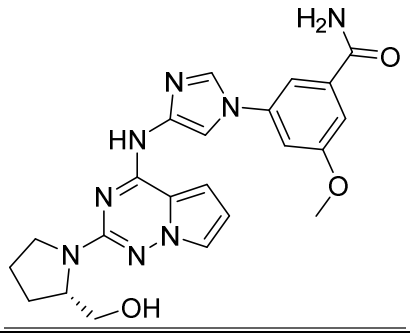
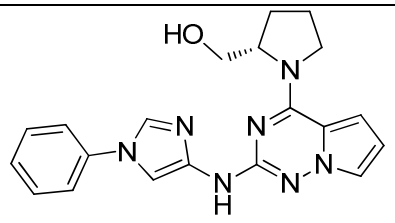
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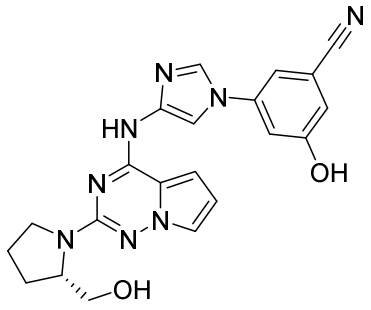
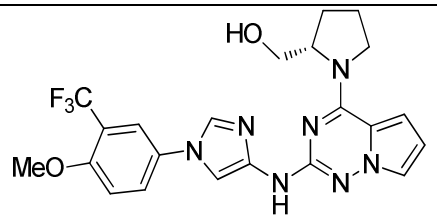
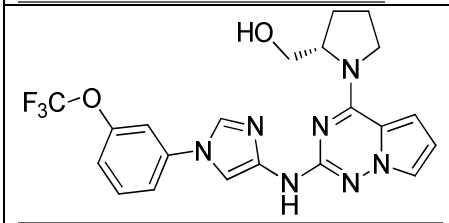
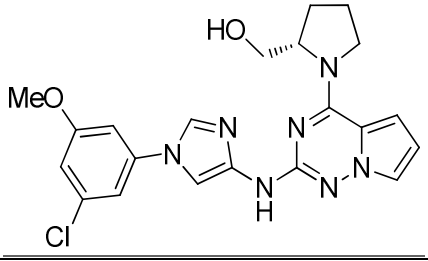
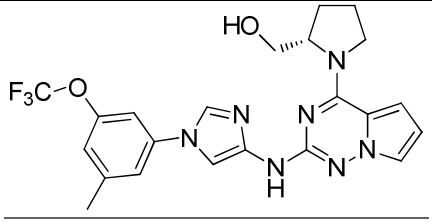
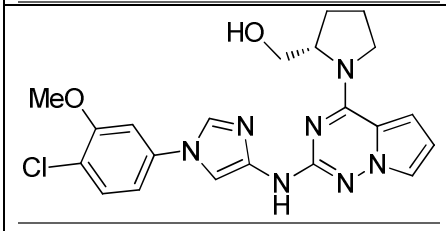
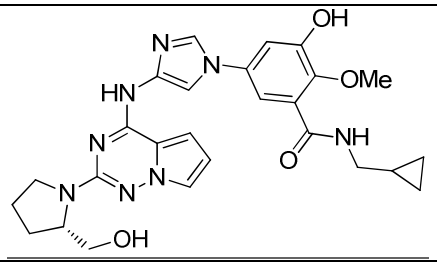
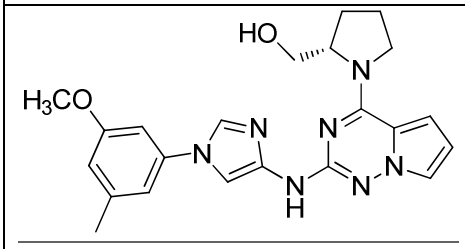
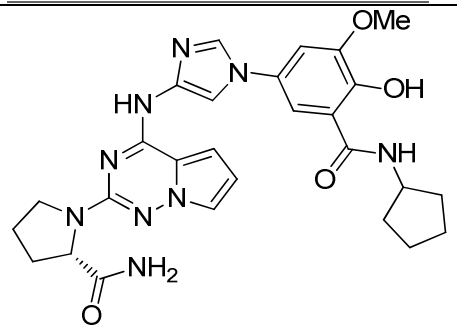
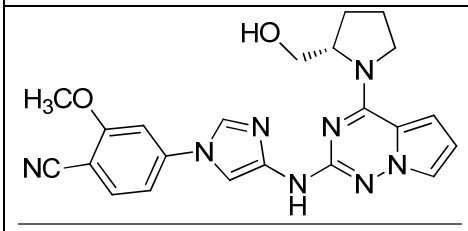
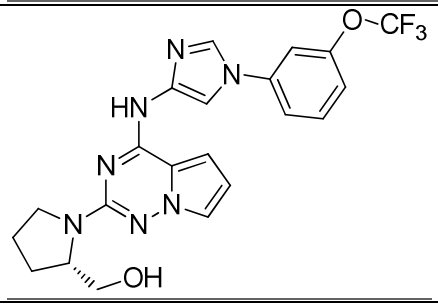
	
	
	

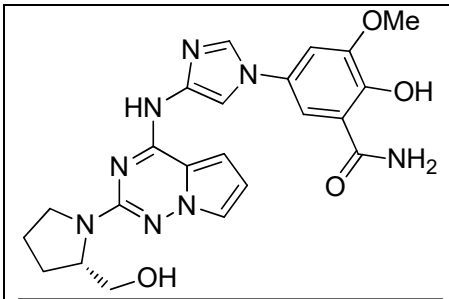
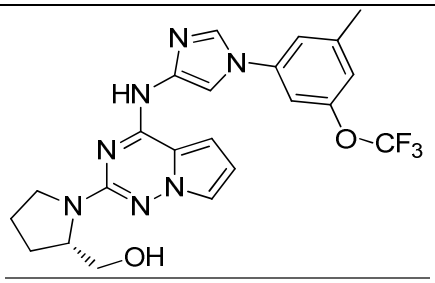
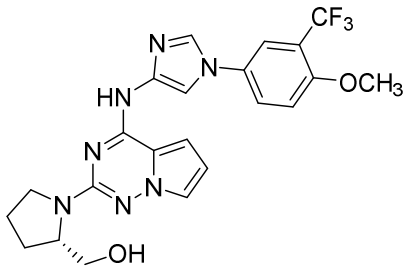
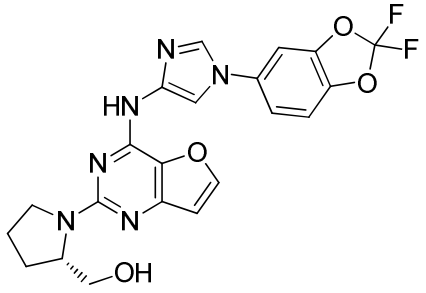
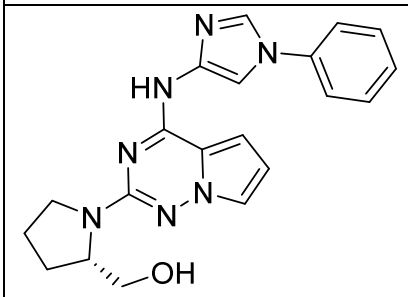
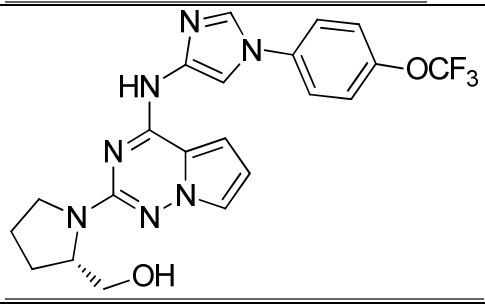
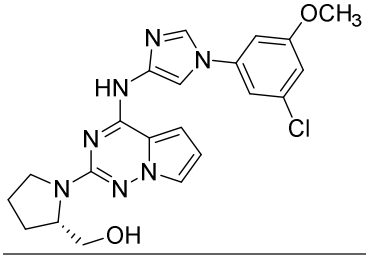
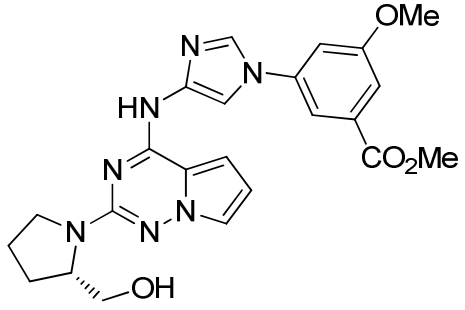
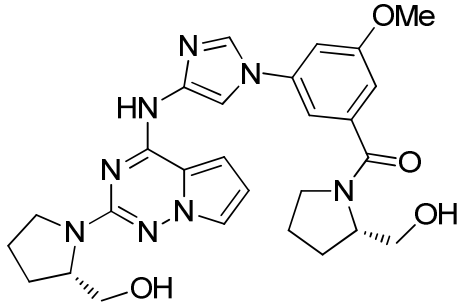
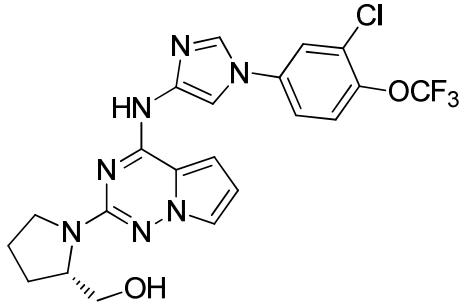
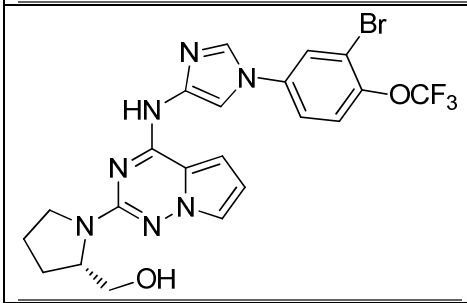
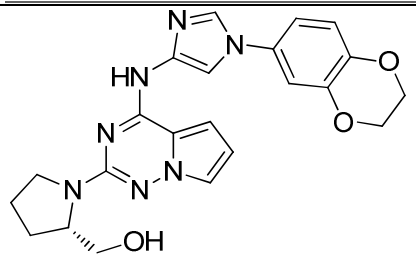
	
	
	
	
	

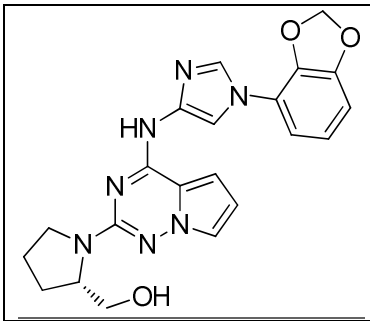
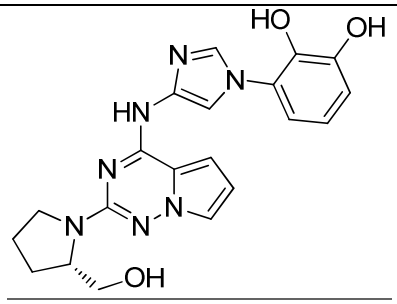
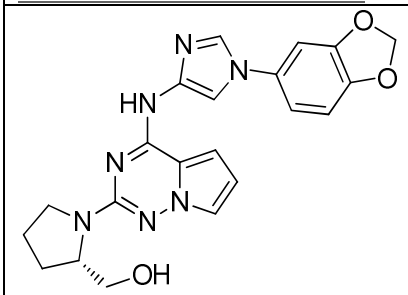
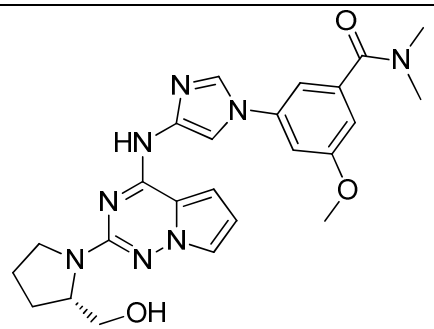
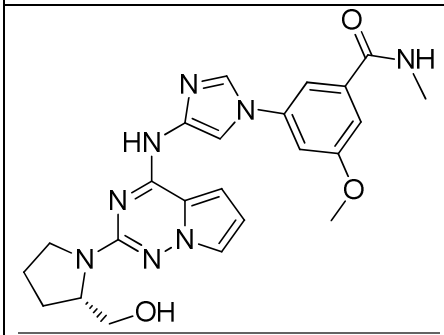
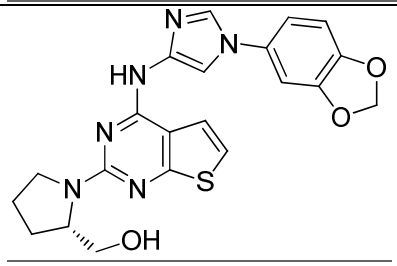
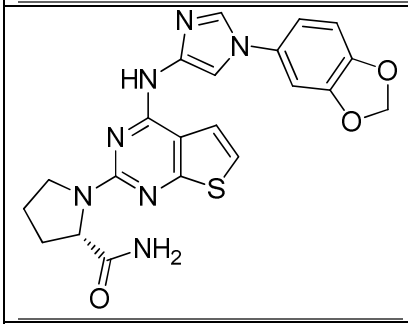
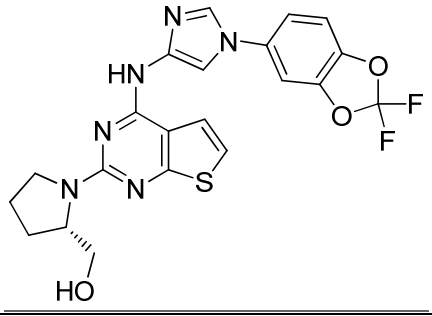
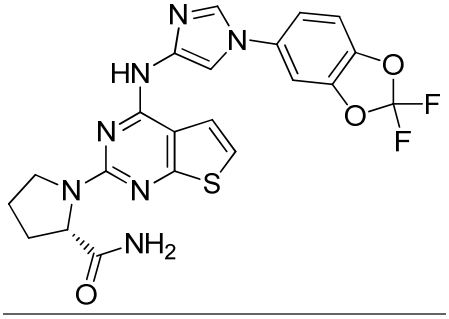
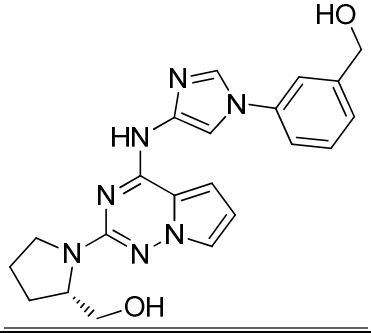
	
	
	
	
	

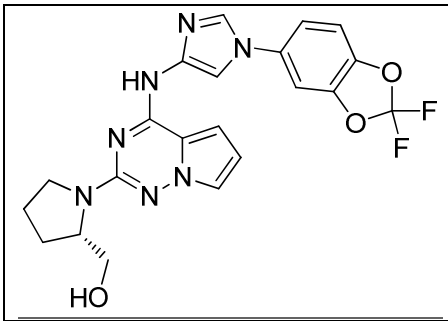
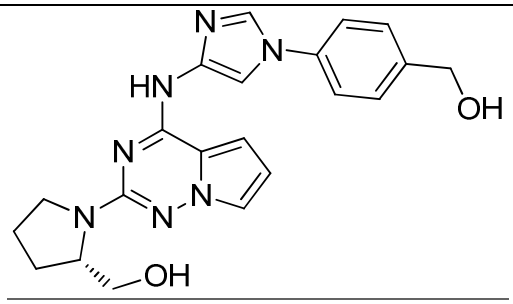
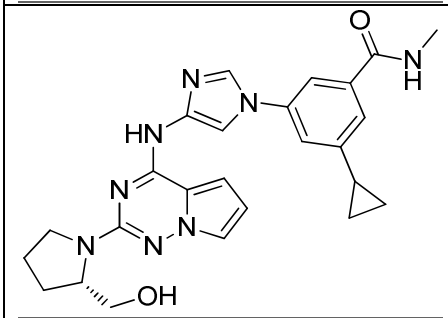
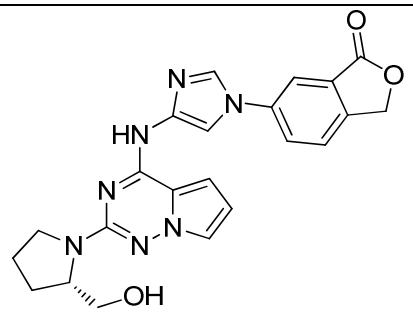
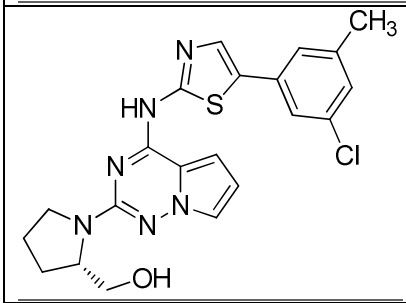
	
	
	
	
	
	

44. A pharmaceutical composition, comprising a compound of any one of claims 1-43, or a pharmaceutically acceptable salt thereof; and a pharmaceutically acceptable excipient.

45. Use of the compound of any one of claims 1-43, or a pharmaceutically acceptable salt thereof in the manufacture of a medicament for the treatment of fibrodysplasia ossificans progressiva.

46. Use of the compound of any one of claims 1-43, or a pharmaceutically acceptable salt thereof in the manufacture of a medicament for the treatment of cancer.

47. The use of claim 46, wherein the cancer is a glioma.

48. The use of claim 47, wherein the glioma is diffuse intrinsic pontine glioma.