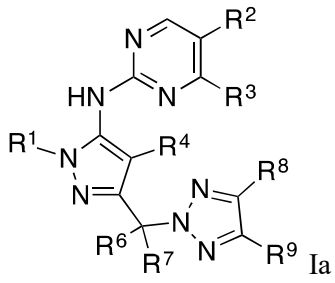
What is claimed is:

1. A compound of formula Ia:



Ia

or a pharmaceutically acceptable salt, deuterated analog, ~~prodrug,~~ stereoisomer, or a mixture of stereoisomers thereof, wherein:

R^1 is optionally substituted cycloalkyl or C_{1-6} alkyl optionally substituted with halo;

R^2 is halo, cyano, optionally substituted C_{1-6} alkyl, optionally substituted C_{2-6} alkenyl, optionally substituted C_{2-6} alkynyl, optionally substituted cycloalkyl, optionally substituted C_{1-6} alkoxy, optionally substituted cycloalkoxy, optionally substituted C_{1-6} alkylthio, optionally substituted C_{1-6} alkylsulfonyl, $-C(O)R^{10}$, or $-C(O)N(R^{11})(R^{12})$;

R^3 is optionally substituted C_{1-6} alkoxy, optionally substituted cycloalkyl, optionally substituted cycloalkoxy, optionally substituted C_{1-6} alkylthio, optionally substituted C_{1-6} alkylsulfonyl, or $-N(R^{11})(R^{12})$;

R^4 is hydrogen or halo;

R^6 and R^7 are each independently hydrogen or C_{1-6} alkyl optionally substituted with halo; and

R^8 and R^9 are each independently hydrogen, cyano, halo, optionally substituted C_{1-6} alkyl, optionally substituted C_{1-6} alkoxy, or optionally substituted heteroaryl;

R^{10} is independently optionally substituted C_{1-6} alkyl or optionally substituted C_{1-6} alkoxy; and

R^{11} and R^{12} are each independently hydrogen, optionally substituted C_{1-6} alkyl, or optionally substituted cycloalkyl.

2. The compound of claim 1, wherein R^6 and R^7 are methyl.

3. The compound of claim 1, wherein at least one of R^8 and R^9 is hydrogen.

4. The compound of claim 3, wherein both R^8 and R^9 are hydrogen.

5. The compound of claim 1, wherein R^1 is optionally substituted cyclopropyl or optionally substituted cyclobutyl.

6. The compound of claim ~~5~~1, wherein R^1 is cycloalkyl independently substituted with one or more halo, hydroxy, cyano, or heteroaryl.

7. The compound of claim ~~6~~1, wherein R^1 is cyclopropyl, cyclobutyl, hydroxycylobut-3-yl, cyanocylobut-3-yl, triazol-2yl-cyclobut-3-yl, triazol-1-yl-cyclobut-3-yl, or fluorocyclobut-3-yl.

8. The compound of claim 1, wherein R^1 is CD_3, ethyl, prop-2-yl, or methyl optionally substituted with halo.

9. The compound of claim 1, wherein R^2 is halo, cyano, or C_{1-6} alkyl optionally substituted with one or more halo.

10. The compound of claim 9, wherein R^2 is bromo.

11. The compound of claim 9, wherein R^2 is $-CF_3$.

12. The compound of claim 1, wherein R^3 is optionally substituted cycloalkyl, optionally substituted C_{1-6} alkoxy, or $-N(R^{11})(R^{12})$.

13. The compound of claim 1, wherein R^3 is cyclopropyl, methoxy, 1,1-difluoroeth-2-ylamino, cyclopropylamino, $-NH(CH_3)$, or $-NH(CH_2CH_3)$.

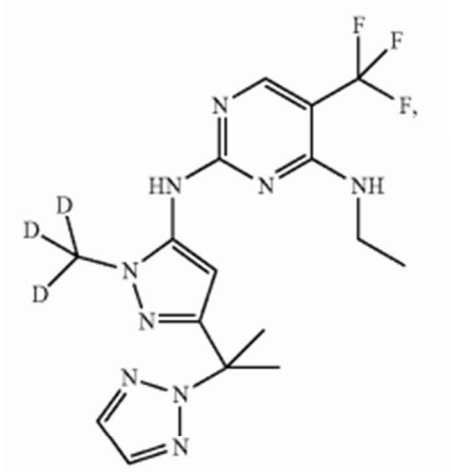
14. The compound of claim 1, wherein R^4 is hydrogen.

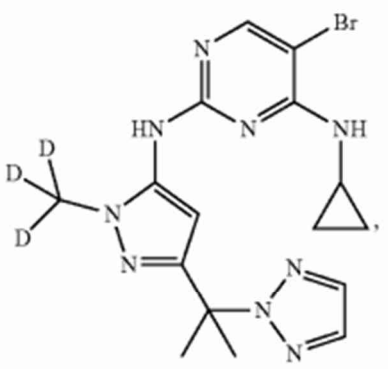
15. The compound of claim 1, wherein R^1 is cycloalkyl independently substituted with one or more hydroxy, cyano, or heteroaryl; R^2 is halo or C_{1-6} haloalkyl; R^3 is $-N(R^{11})(R^{12})$ or C_{1-6} alkoxy; and R^4 is H.

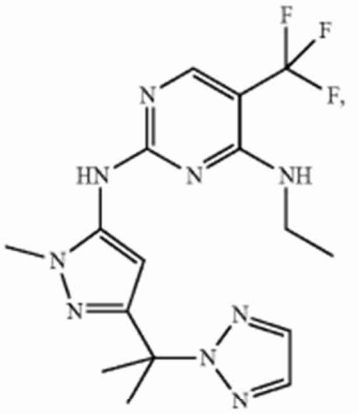
16. The compound of claim 15, wherein R^{12} is optionally substituted C_{1-6} alkyl.

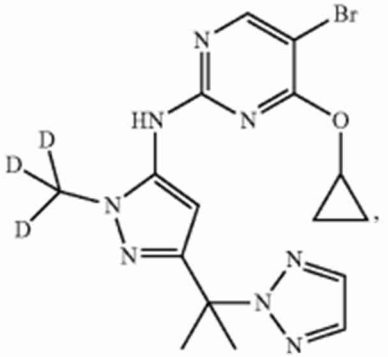
17. The compound of claim 15, wherein R^{11} is H and R^{12} is ethyl.

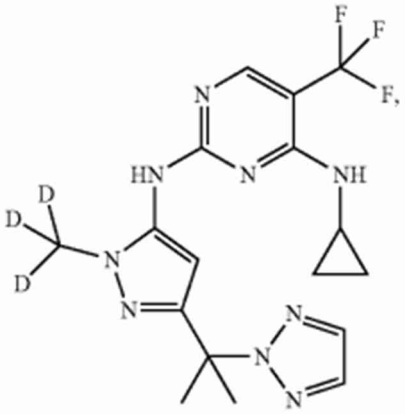
18. A compound, or a pharmaceutically acceptable salt, deuterated analog, ~~prodrug,~~ tautomer, stereoisomer, or a mixture of stereoisomers thereof, wherein the compound is selected from:

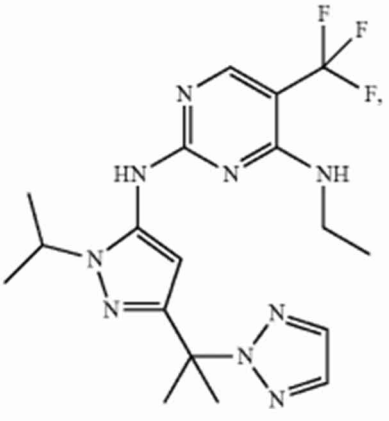


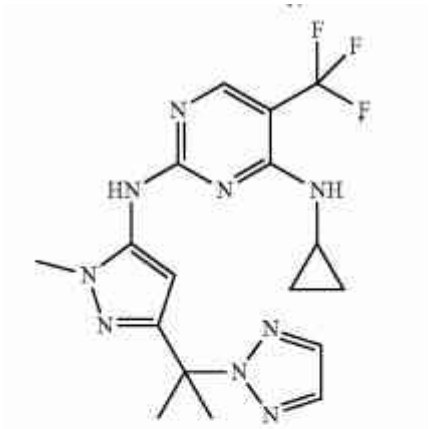
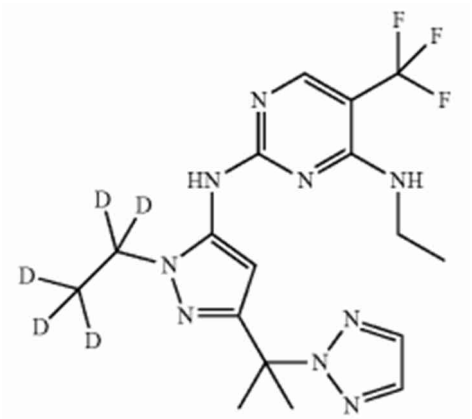
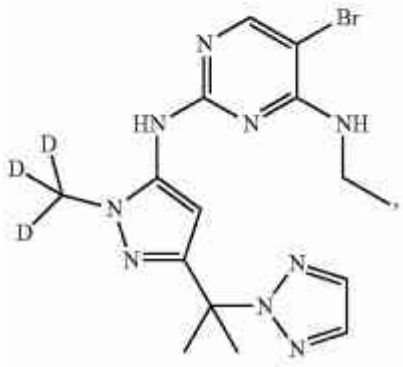
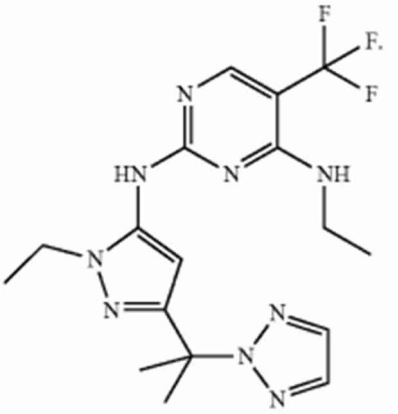






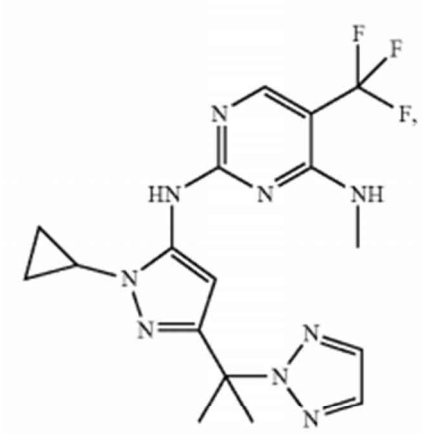


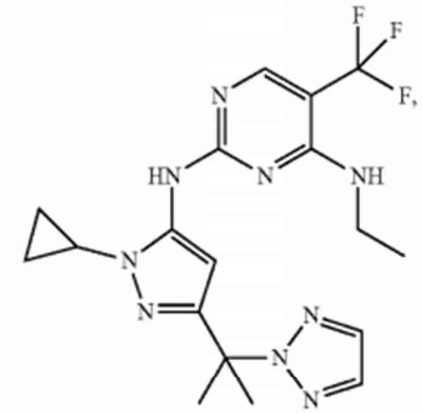


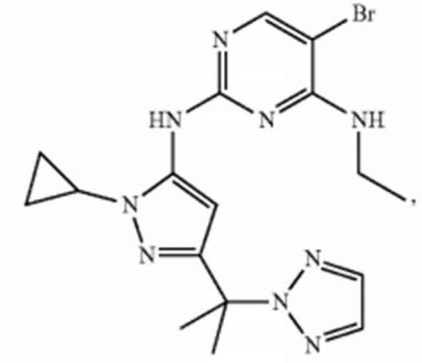





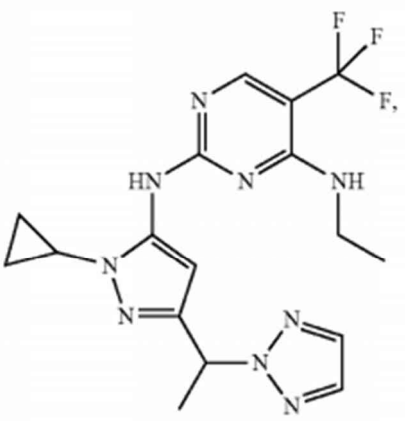
and

19. A compound, or a pharmaceutically acceptable salt, deuterated analog, ~~prodrug,~~ tautomer, stereoisomer, or a mixture of stereoisomers thereof, wherein the compound is selected from:

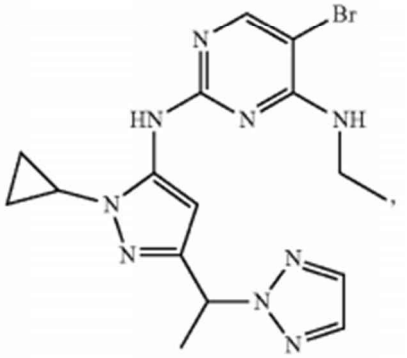




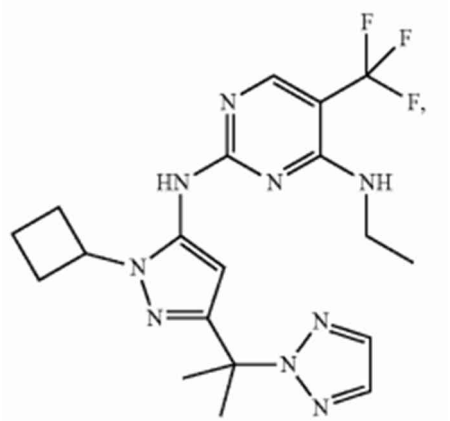


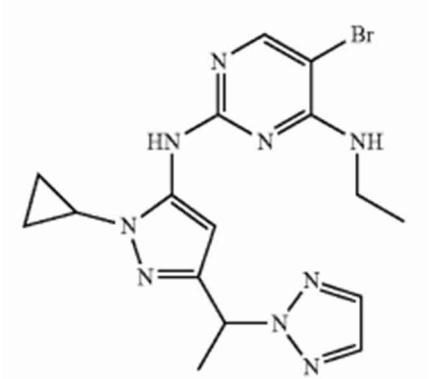


(Second eluting isomer)

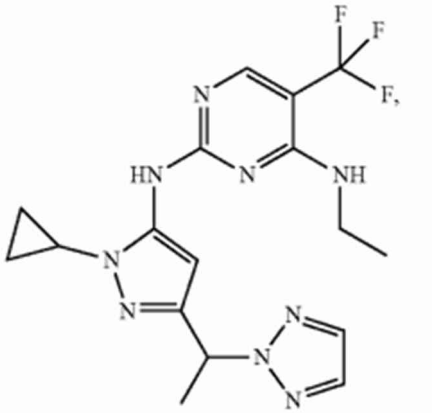


(First eluting isomer)

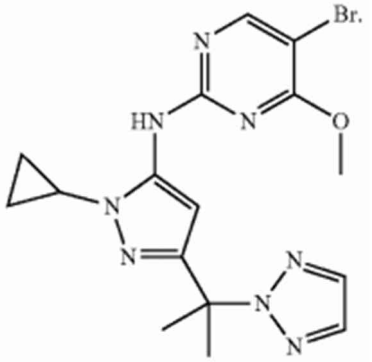




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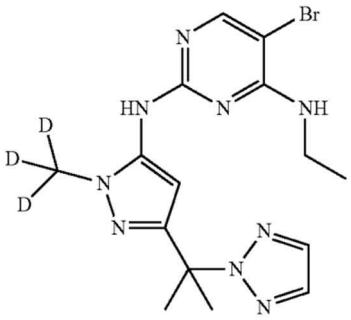
(First eluting isomer)



and .

20. A pharmaceutical composition comprising a compound of claim 1, or a pharmaceutically acceptable salt, deuterated analog, ~~prodrug,~~ tautomer, stereoisomer, or a mixture of stereoisomers thereof, and a pharmaceutically acceptable carrier, diluent, or excipient.

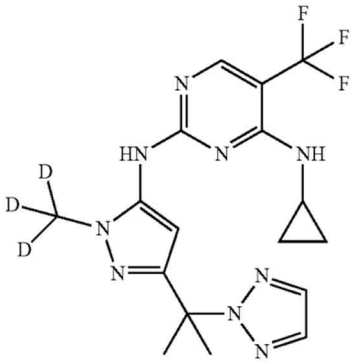
21. A compound having the structure:



or a pharmaceutically salt thereof.

22. A pharmaceutical composition comprising the compound of claim 21 and a pharmaceutically acceptable excipient.

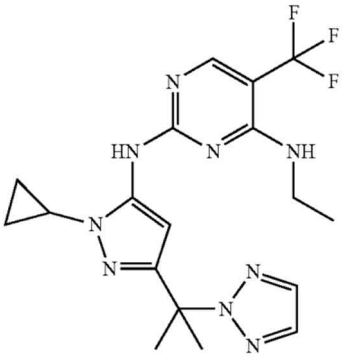
23. A compound having the structure:



or a pharmaceutically salt thereof.

24. A pharmaceutical composition comprising the compound of claim 23 and a pharmaceutically acceptable excipient.

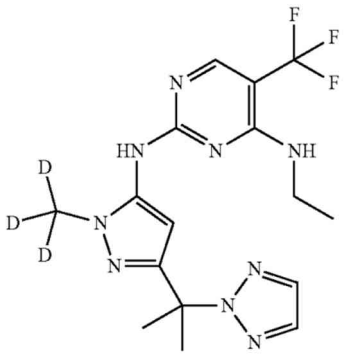
25. A compound having the structure:



or a pharmaceutically salt thereof.

26. A pharmaceutical composition comprising the compound of claim 25 and a pharmaceutically acceptable excipient.

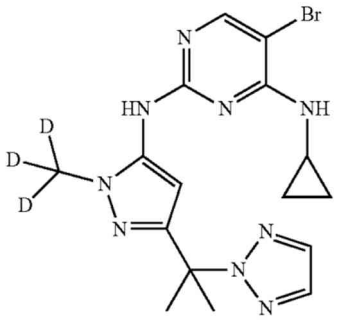
27. A compound having the structure:



or a pharmaceutically salt thereof.

28. A pharmaceutical composition comprising the compound of claim 27 and a pharmaceutically acceptable excipient.

29. A compound having the structure:



or a pharmaceutically salt thereof.

30. A pharmaceutical composition comprising the compound of claim 29 and a pharmaceutically acceptable excipient.