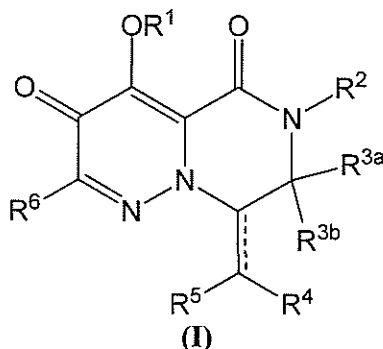


CLAIMS

1. A compound of Formula (I), or a pharmaceutically acceptable salt thereof, wherein the compound of Formula (I) has the structure:



wherein:

----- is a single bond or double bond;

R¹ is selected from the group consisting of hydrogen, an unsubstituted C₁₋₄ alkyl, -C(=O)Y¹, -C(=O)-O-Y¹, -(CH₂)-O-(C=O)-Y¹, -(CH₂)-O-(C=O)-O-Y¹, -(CHCH₃)-O-(C=O)-Y¹ and -(CHCH₃)-O-(C=O)-O-Y¹;

R² is selected from the group consisting of hydrogen, an optionally substituted C₁₋₆ alkyl, an optionally substituted heterocyclyl, an optionally substituted cycloalkyl(C₁₋₆ alkyl), an optionally substituted aryl(C₁₋₆ alkyl), an optionally substituted heteroaryl(C₁₋₆ alkyl) and an optionally substituted heterocyclyl(C₁₋₆ alkyl);

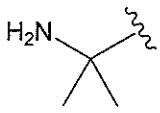
R^{3a} and R^{3b} are independently hydrogen or an optionally substituted C₁₋₄ alkyl;

R⁴ and R⁵ are independently selected from the group consisting of hydrogen, an optionally substituted aryl, an optionally substituted aryl(C₁₋₆ alkyl), an optionally substituted heteroaryl and an optionally substituted heteroaryl(C₁₋₆ alkyl), provided that at least one of R⁴ and R⁵ is not hydrogen; or

R⁴ and R⁵ are taken together to form an optionally substituted tricyclic cycloalkenyl or an optionally substituted tricyclic heterocyclyl;

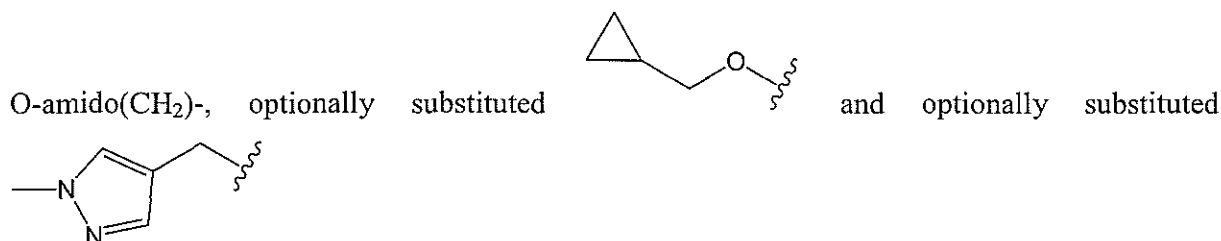
R⁶ is selected from the group consisting of hydrogen, halogen, -CN, an optionally substituted C₁₋₆ alkyl, an optionally substituted aryl, an optionally substituted heteroaryl, -CH₂OH, -CH(Y²)(OH) and -C(O)Y²;

Y^1 and Y^2 are independently selected from the group consisting of an optionally substituted C_{1-6} alkyl, an optionally substituted C_{3-6} cycloalkyl, an optionally substituted aryl, an optionally substituted heteroaryl, an optionally substituted heterocyclyl, a mono-substituted

amino group, a di-substituted amino group, $-CH(R^7)NHR^8$ and ; and

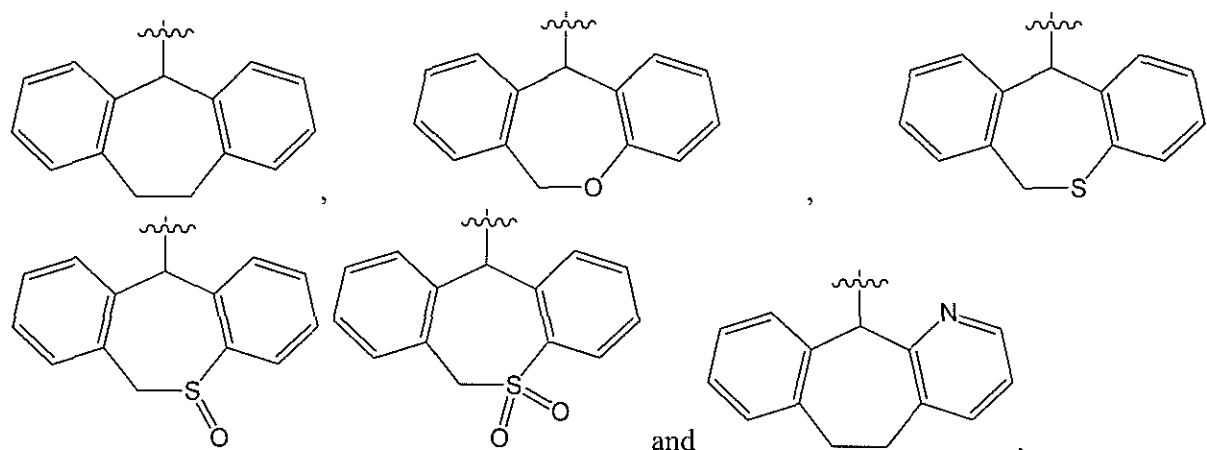
R^7 and R^8 are independently hydrogen or an optionally substituted C_{1-4} alkyl.

2. The compound of Claim 1, wherein R^4 is hydrogen.
3. The compound of Claim 1, wherein R^4 is an optionally substituted aryl.
4. The compound of Claim 3, wherein the optionally substituted aryl is an optionally substituted phenyl.
5. The compound of Claim 1, wherein R^4 is an optionally substituted aryl(C_{1-6} alkyl).
6. The compound of Claim 1, wherein R^4 is an optionally substituted heteroaryl.
7. The compound of Claim 6, wherein the optionally substituted heteroaryl is an optionally substituted imidazole or an optionally substituted pyrazole.
8. The compound of Claim 1, wherein R^4 is an optionally substituted heteroaryl(C_{1-6} alkyl).
9. The compound of any one of Claims 1-8, wherein R^5 is an optionally substituted aryl.
10. The compound of Claim 9, wherein the optionally substituted aryl is an optionally substituted phenyl.
11. The compound of any one of Claims 1-8, wherein R^5 is an optionally substituted aryl(C_{1-6} alkyl).
12. The compound of any one of Claims 1-8, wherein R^5 is an optionally substituted heteroaryl.
13. The compound of any one of Claims 1-8, wherein R^5 is an optionally substituted heteroaryl(C_{1-6} alkyl).
14. The compound of Claim 1, wherein R^4 and R^5 are each a substituted phenyl substituted with one or more group selected from fluoro, chloro, iodo, C_{1-4} alkyl, C_{2-4} alkynyl, hydroxy, C_{1-4} alkoxy, an optionally substituted phenyl, cyano, $NC-(CH_2)-$, $H_2N-C(=O)-(CH_2)-$,



15. The compound of Claim 1, wherein R⁴ and R⁵ are taken together to form an optionally substituted tricyclic heterocyclyl.

16. The compound of Claim 15, wherein the optionally substituted tricyclic heterocyclyl is an optionally substituted moiety selected from the group consisting of:



17. The compound of Claim 15 or 16, wherein the tricyclic heterocyclyl is substituted with one or more group selected from fluoro, chloro, iodo and C₁₋₄ alkyl.

18. The compound of any one of Claims 1-17, wherein R² is hydrogen.

19. The compound of any one of Claims 1-17, wherein R² is an optionally substituted C₁₋₆ alkyl.

20. The compound of Claim 19, wherein the optionally substituted C₁₋₆ alkyl is substituted with substituent selected from the group consisting of halogen, haloalkyl, hydroxy and alkoxy.

21. The compound of any one of Claims 1-17, wherein R² is an optionally substituted aryl(C₁₋₆ alkyl).

22. The compound of any one of Claims 1-21, wherein R¹ is hydrogen.

23. The compound of any one of Claims 1-21, wherein R¹ is an unsubstituted C₁₋₄ alkyl.

24. The compound of any one of Claims 1-21, wherein R^1 is $-C(=O)Y^1$, $-C(=O)-O-Y^1$, $-(CH_2)-O-(C=O)-Y^1$, $-(CH_2)-O-(C=O)-O-Y^1$, $-(CHCH_3)-O-(C=O)-Y^1$ or $-(CHCH_3)-O-(C=O)-O-Y^1$.

25. The compound of Claim 24, wherein R^1 is $-C(=O)Y^1$.

26. The compound of Claim 24, wherein R^1 is $-C(=O)-O-Y^1$.

27. The compound of Claim 24, wherein R^1 is $-(CH_2)-O-(C=O)-Y^1$.

28. The compound of Claim 24, wherein R^1 is $-(CH_2)-O-(C=O)-O-Y^1$.

29. The compound of Claim 24, wherein R^1 is $-(CHCH_3)-O-(C=O)-Y^1$.

30. The compound of Claim 24, wherein R^1 is $-(CHCH_3)-O-(C=O)-O-Y^1$.

31. The compound of any one of Claims 24-30, wherein Y^1 is an optionally substituted C_{1-6} alkyl.

32. The compound of any one of Claims 24-30, wherein Y^1 is an optionally substituted C_{3-6} cycloalkyl.

33. The compound of any one of Claims 24-30, wherein Y^1 is an optionally substituted aryl.

34. The compound of any one of Claims 24-30, wherein Y^1 is an optionally substituted heteroaryl.

35. The compound of any one of Claims 24-30, wherein Y^1 is an optionally substituted heterocyclyl.

36. The compound of any one of Claims 24-30, wherein Y^1 is a mono-substituted amino group.

37. The compound of any one of Claims 24-30, wherein Y^1 is a di-substituted amino group.

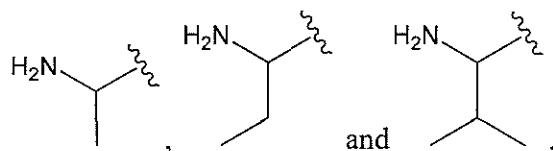
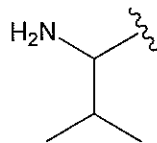
38. The compound of any one of Claims 24-30, wherein Y^1 is $-CH(R^7)NHR^8$.

39. The compound of Claim 38, wherein R^7 is an optionally substituted C_{1-4} alkyl.

40. The compound of any one of Claims 38-39, wherein R^8 is hydrogen.

41. The compound of any one of Claims 38-39, wherein R^8 is an optionally substituted C_{1-4} alkyl.

42. The compound of Claim 38, wherein $-\text{CH}(\text{R}^7)\text{NHR}^8$ is selected from



43. The compound of Claim 38, wherein Y^1 is

44. The compound of any one of Claims 1-43, wherein R^6 is hydrogen.

45. The compound of any one of Claims 1-43, wherein R^6 is halogen or $-\text{CN}$.

46. The compound of any one of Claims 1-43, wherein R^6 is an optionally substituted C_{1-6} alkyl, an optionally substituted aryl or an optionally substituted heteroaryl.

47. The compound of any one of Claims 1-43, wherein R^6 is $-\text{CH}_2\text{OH}$, $-\text{CH}(\text{Y}^2)(\text{OH})$ or $-\text{C}(\text{O})\text{Y}^2$.

48. The compound of any one of Claims 1-47, wherein R^{3a} is hydrogen.

49. The compound of any one of Claims 1-47, wherein R^{3a} is an optionally substituted C_{1-4} alkyl.

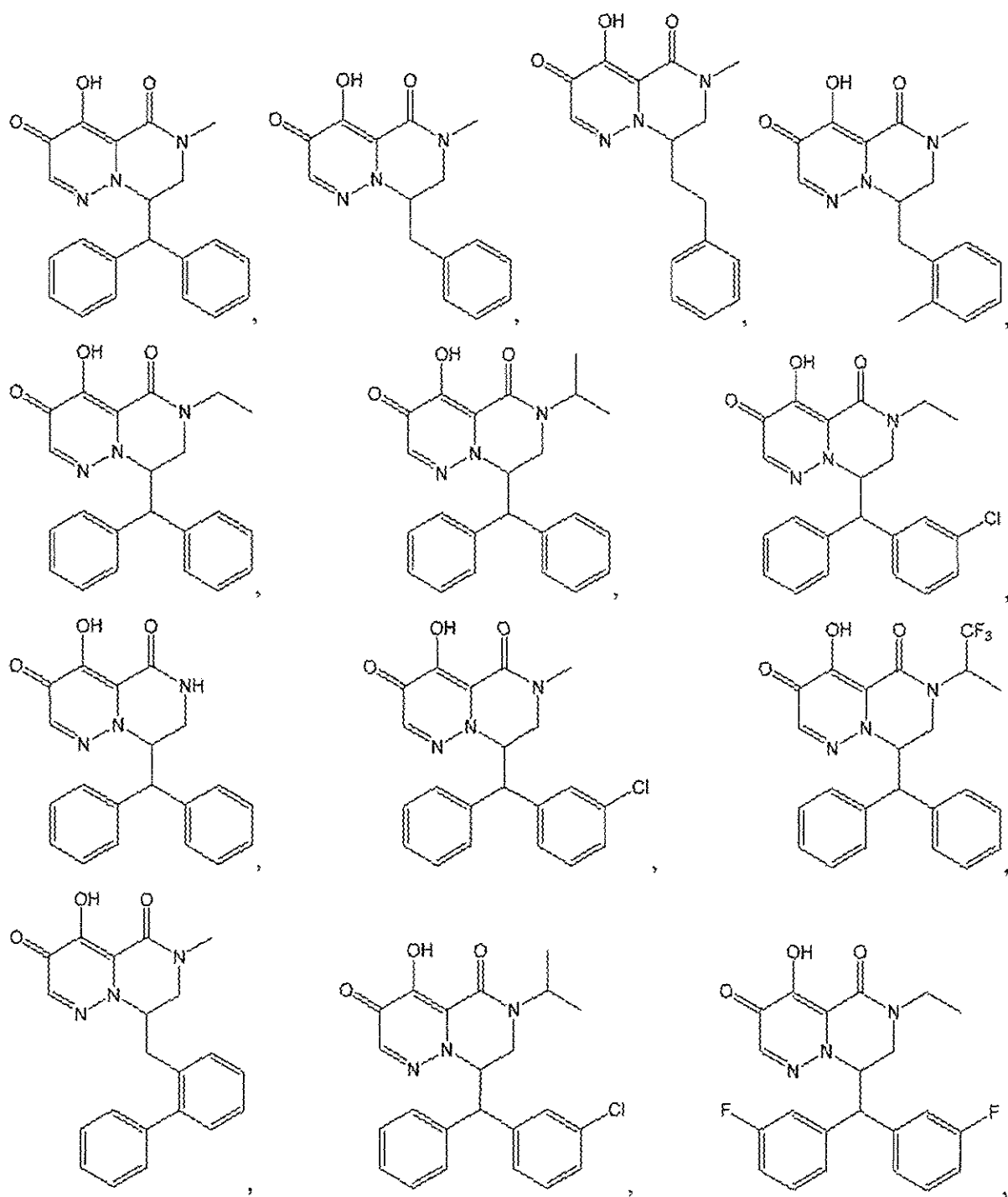
50. The compound of any one of Claims 1-49, wherein R^{3b} is hydrogen.

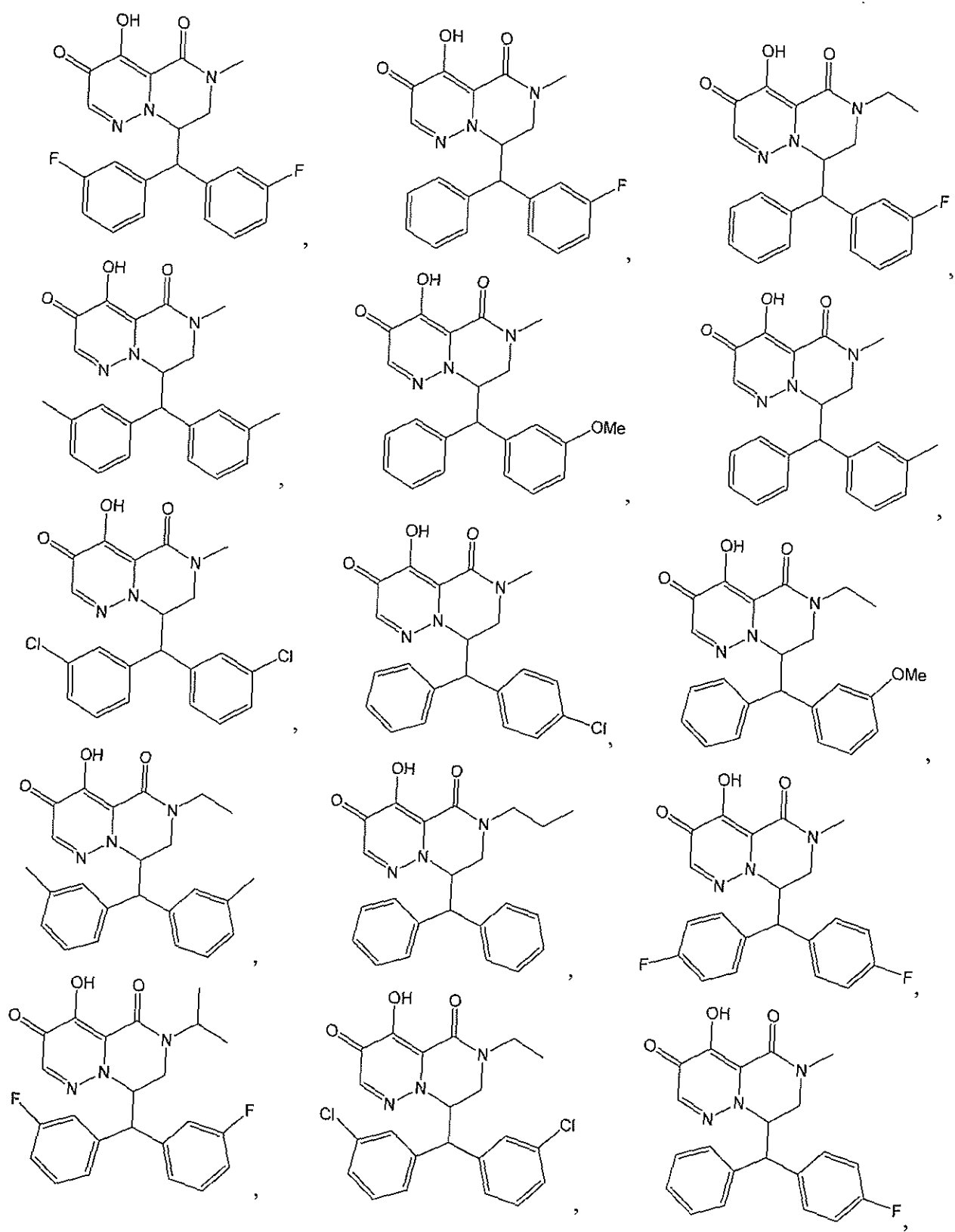
51. The compound of any one of Claims 1-49, wherein R^{3b} is an optionally substituted C_{1-4} alkyl.

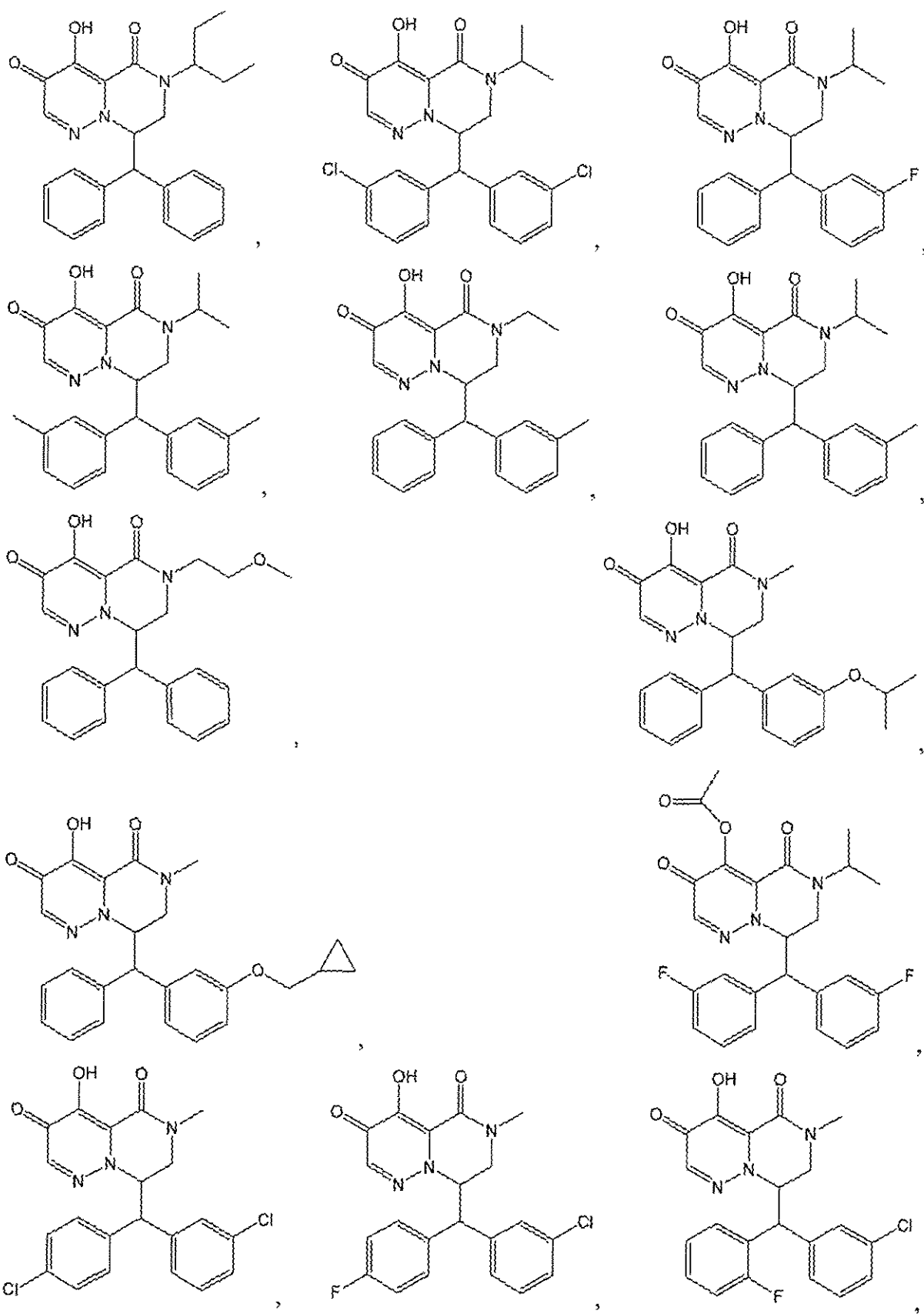
52. The compound of any one of Claims 1-51, wherein ----- is a single bond.

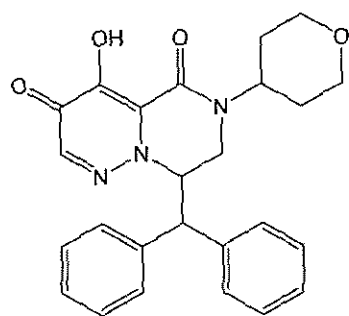
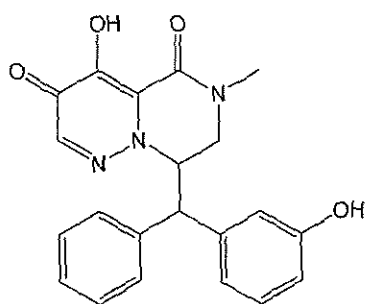
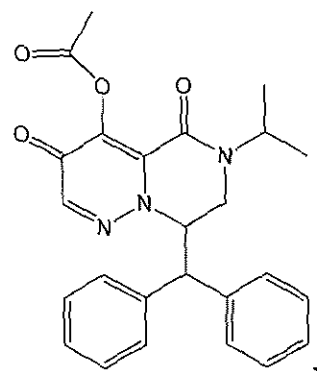
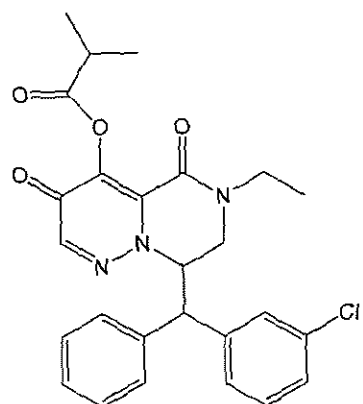
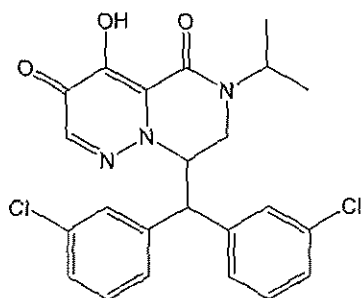
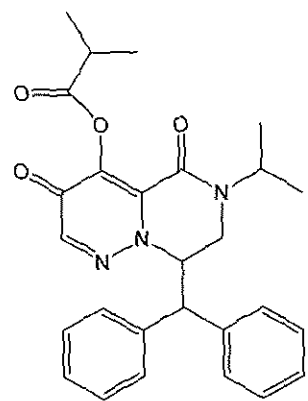
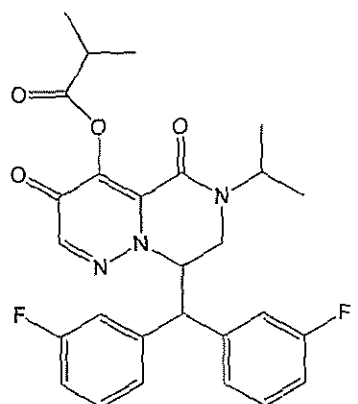
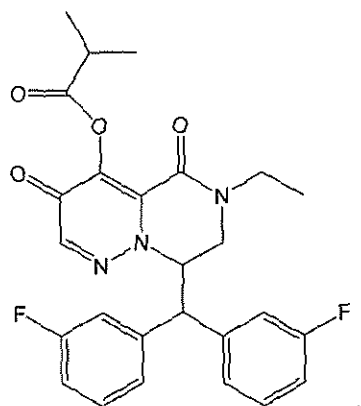
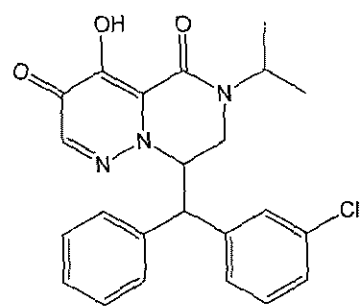
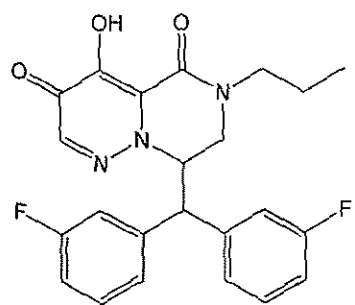
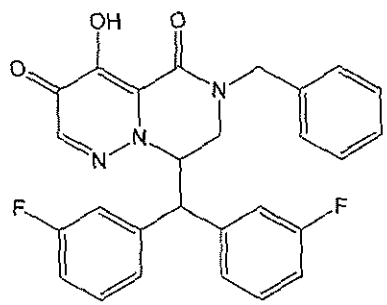
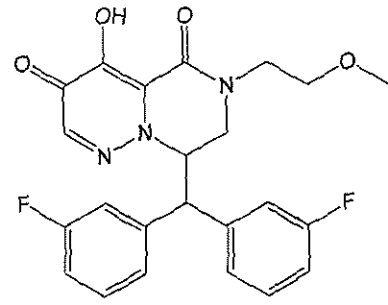
53. The compound of any one of Claims 1-51, wherein ----- is a double bond.

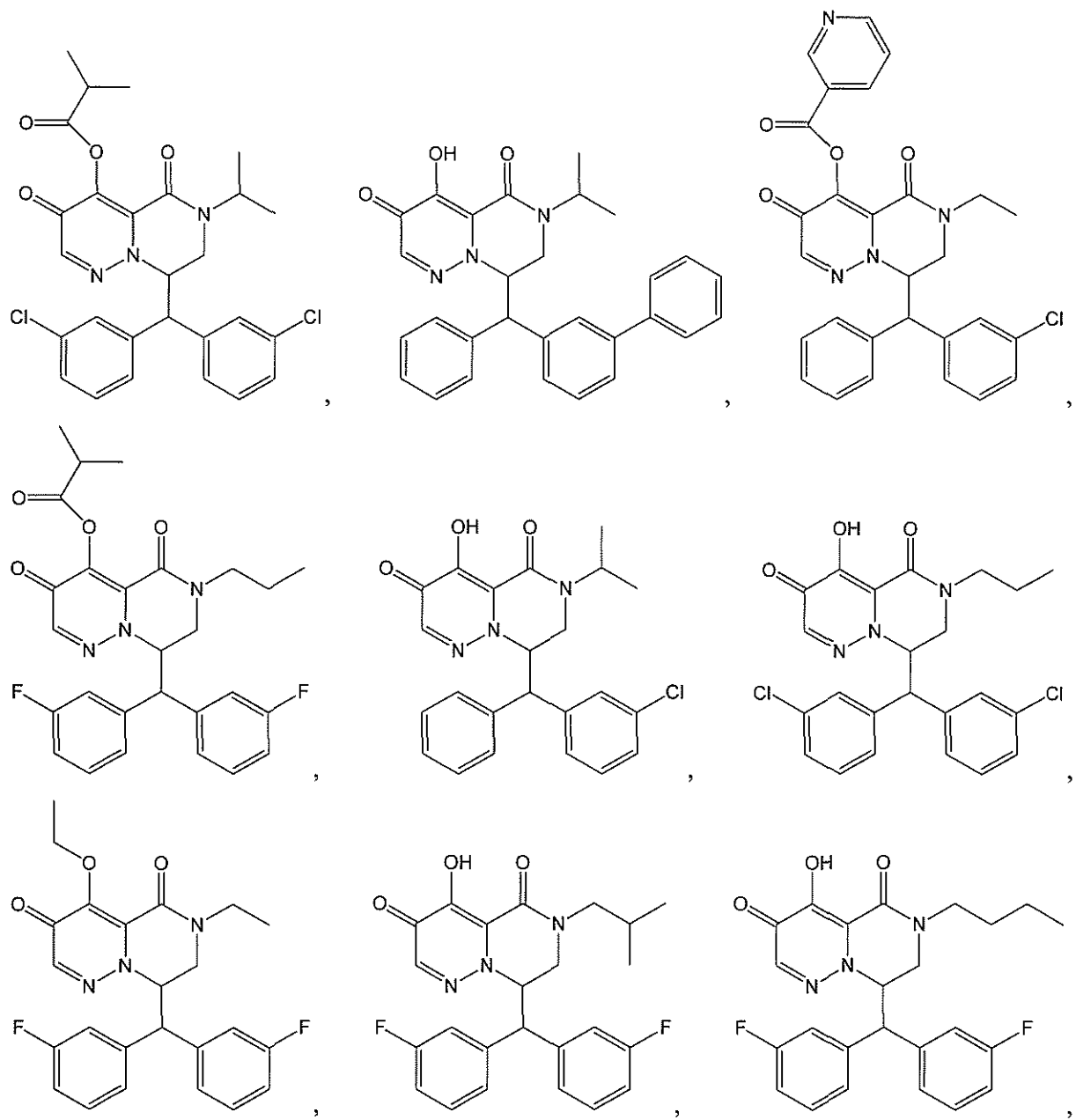
54. The compound of Claim 1, wherein the compound is selected from the group consisting of:

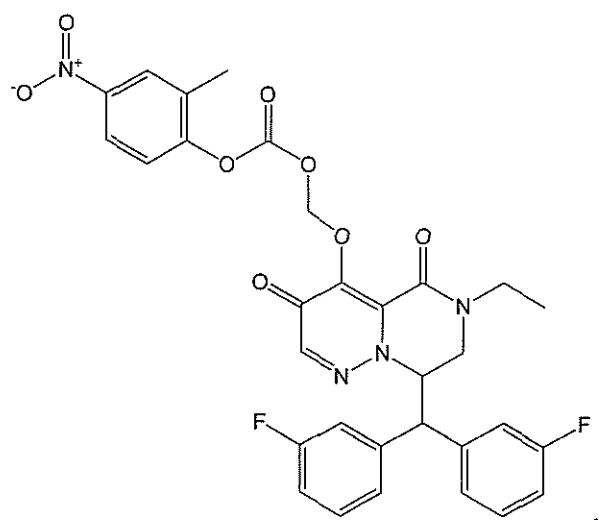
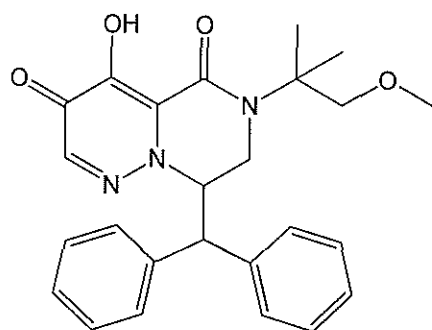
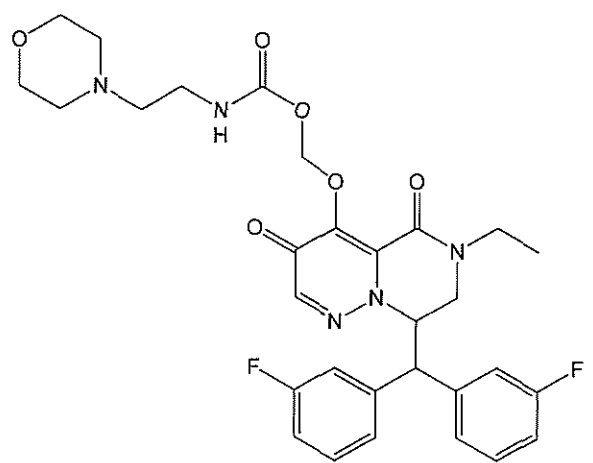
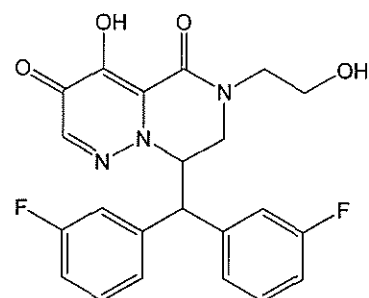
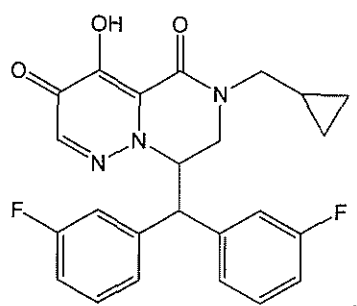
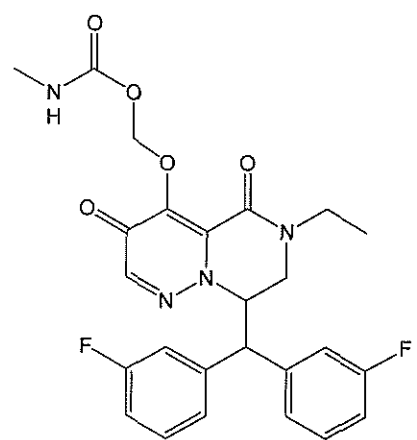


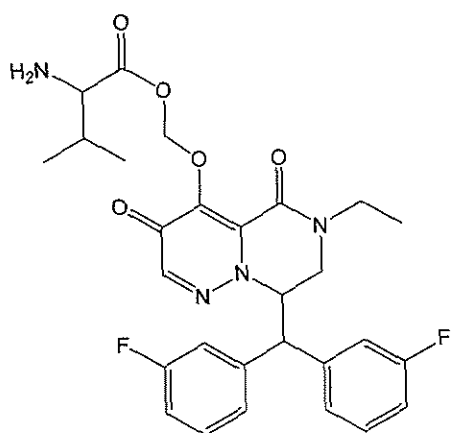
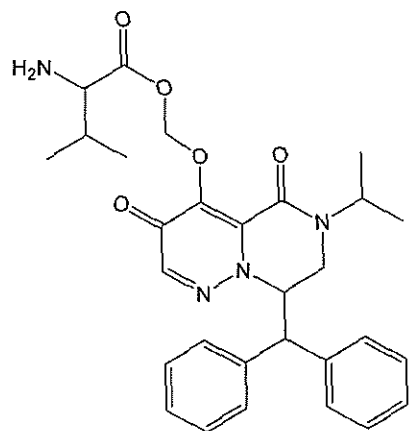
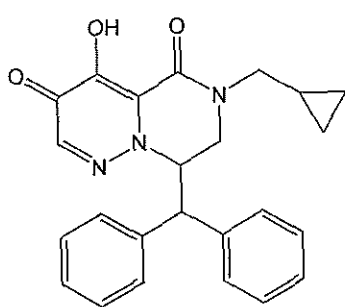
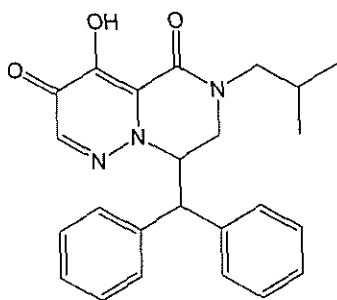
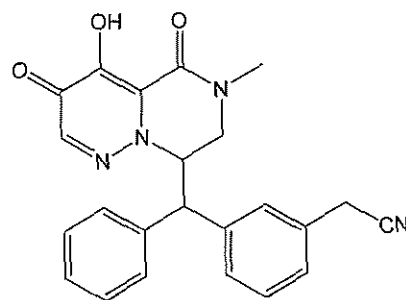
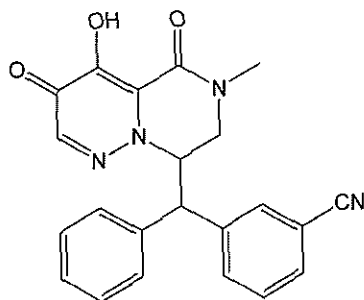
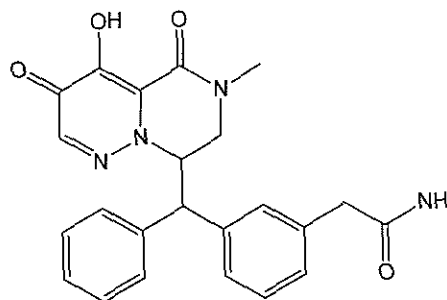
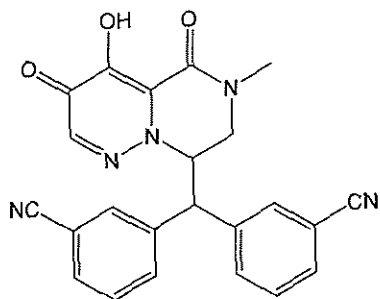
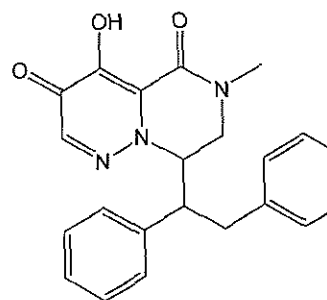


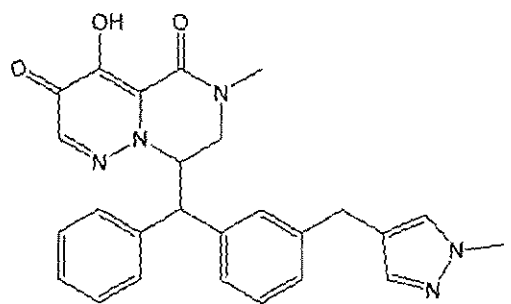
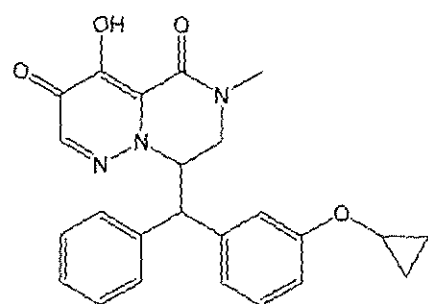
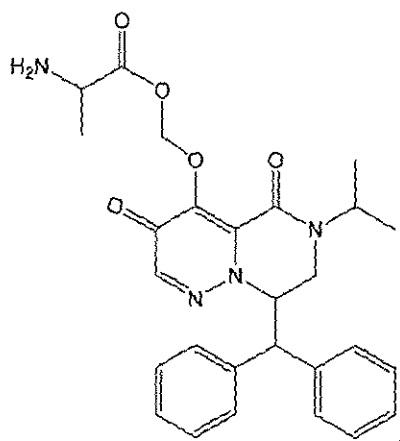
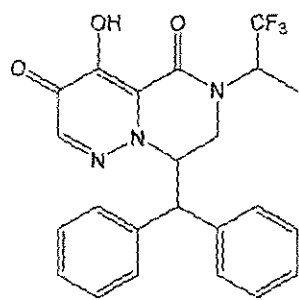
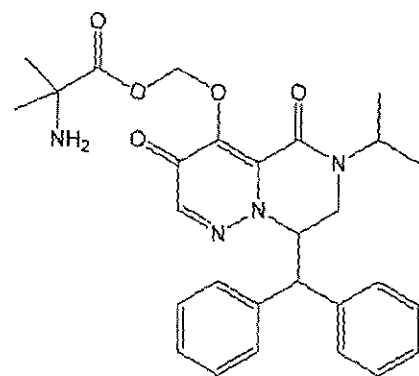
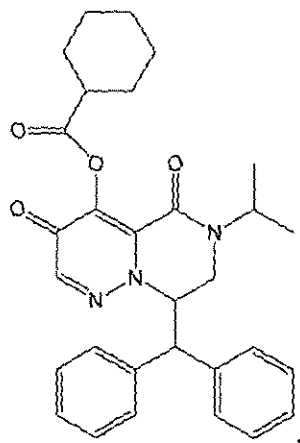
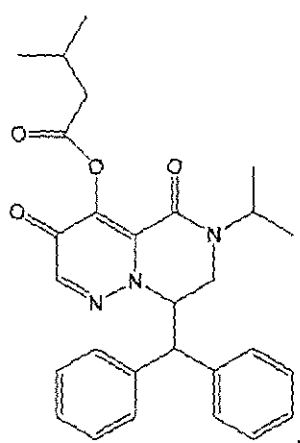
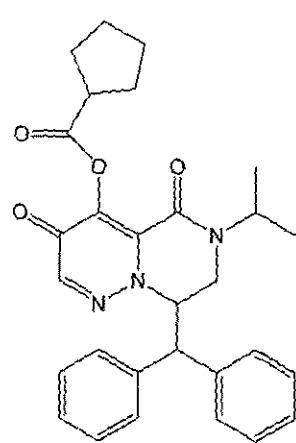
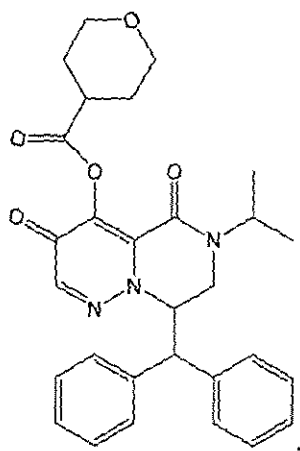
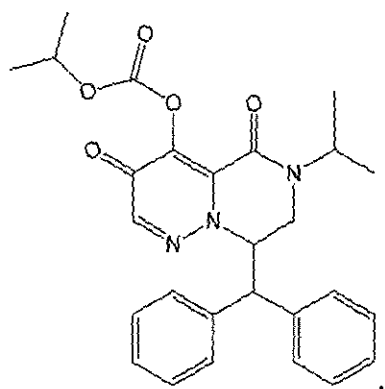
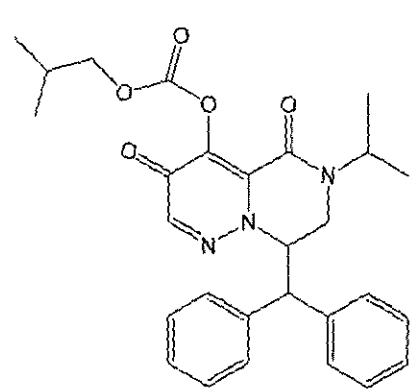


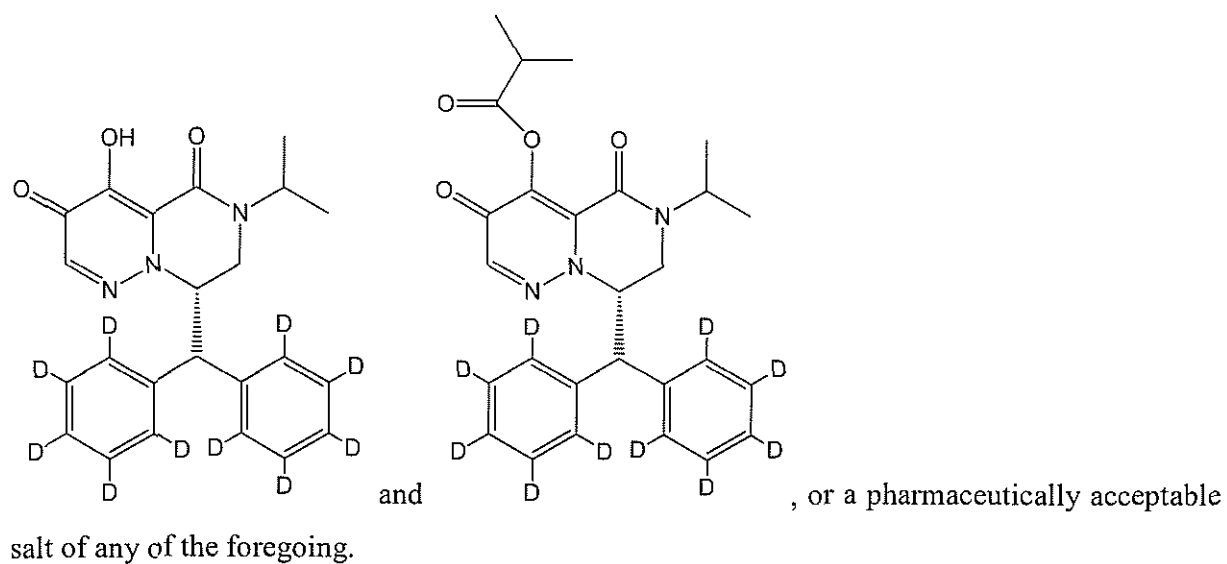




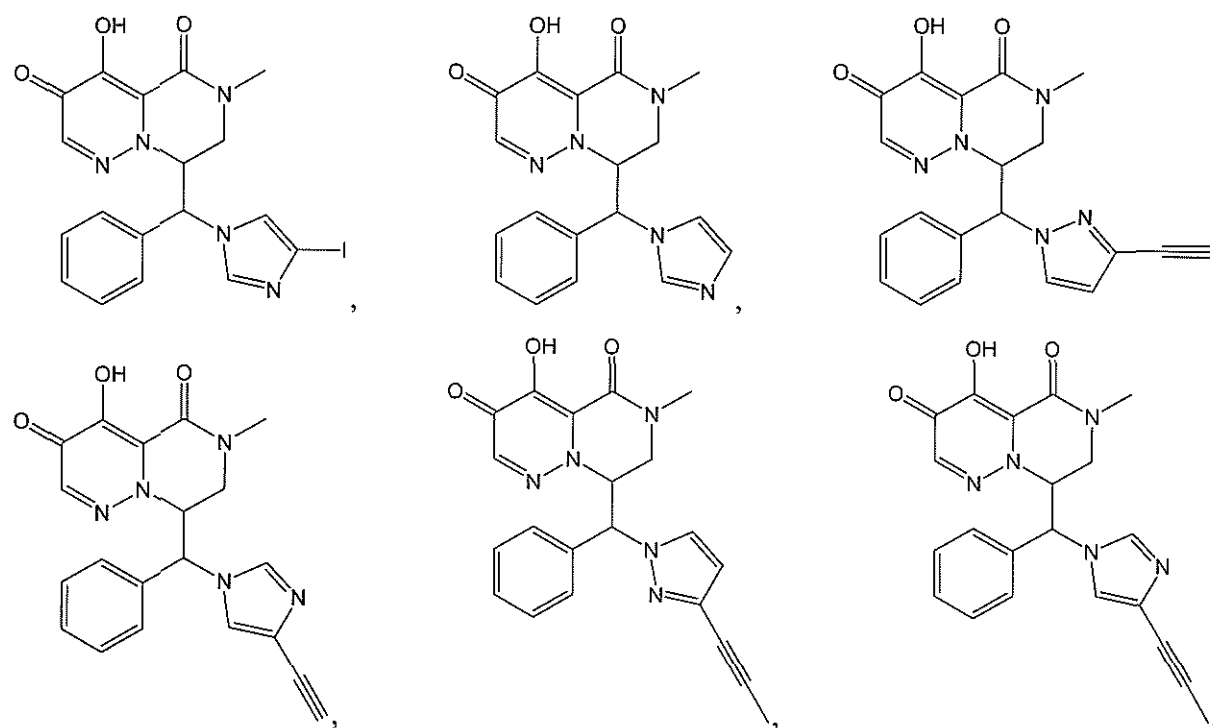


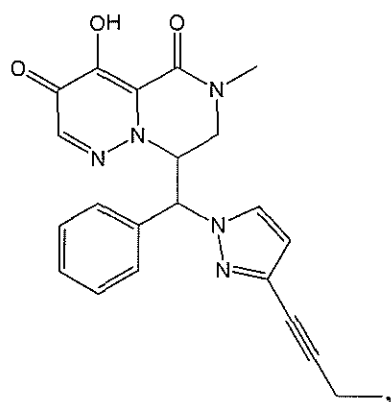
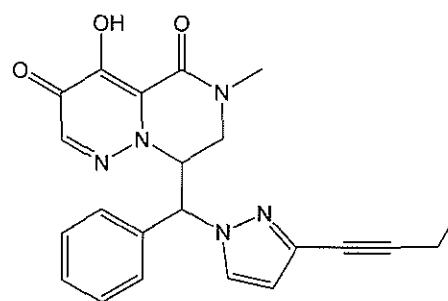
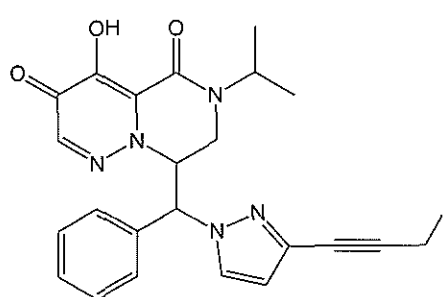
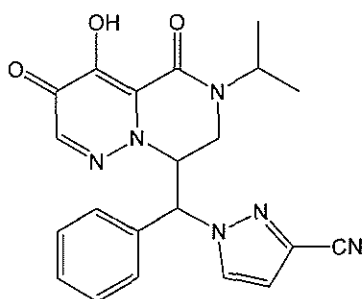
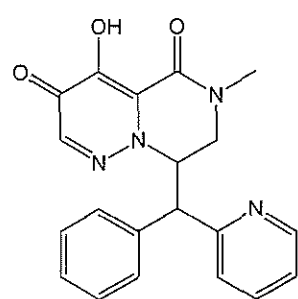
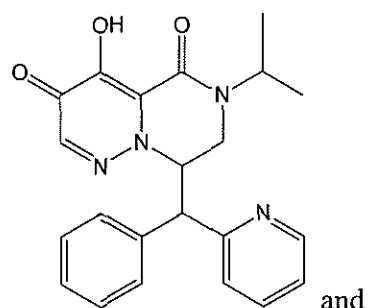
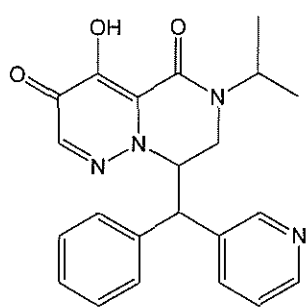






55. The compound of Claim 1, wherein the compound is selected from the group consisting of:

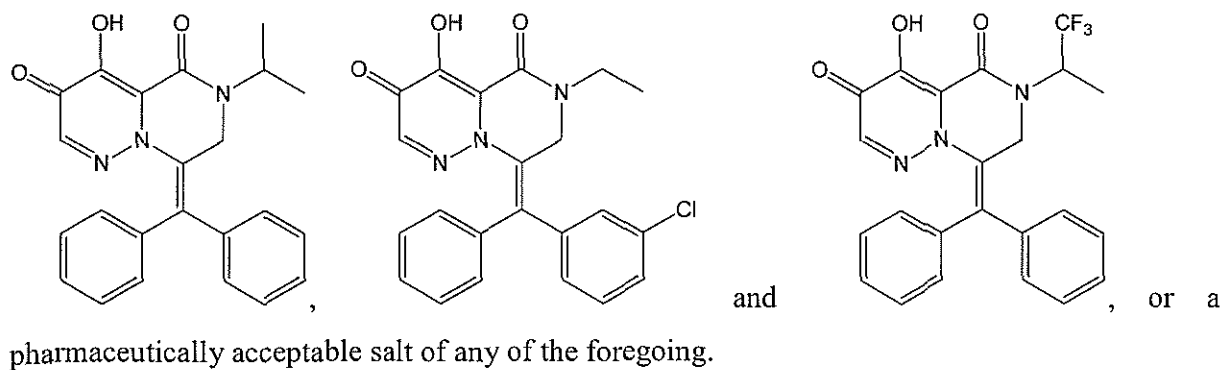




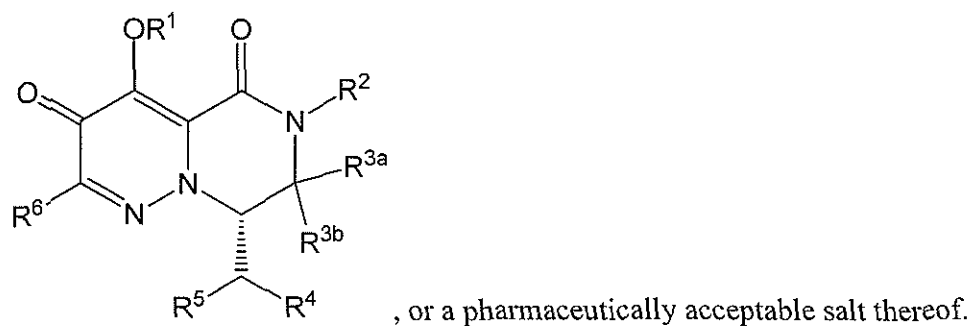
and , or a pharmaceutically acceptable salt of any of the foregoing.

[illegible]

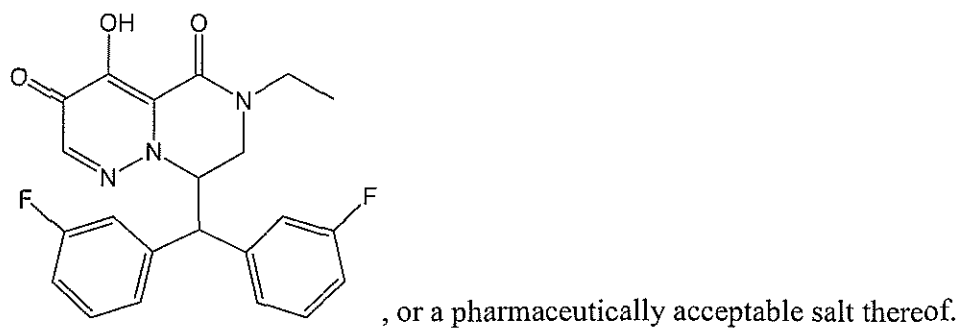
57. The compound of Claim 1, wherein the compound is selected from the group consisting of:



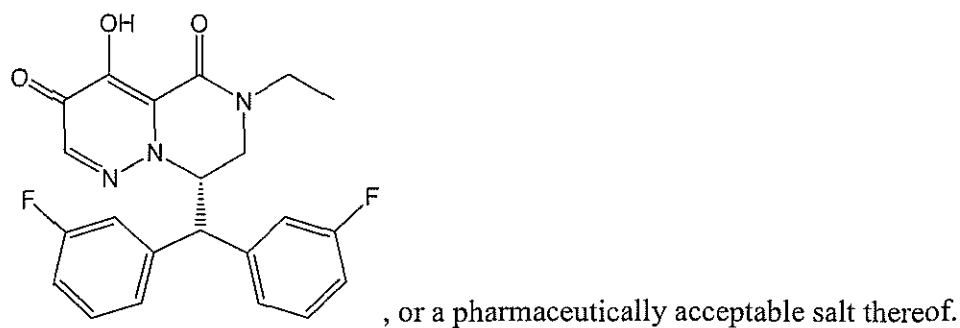
58. The compound of Claim 1, wherein the compound is

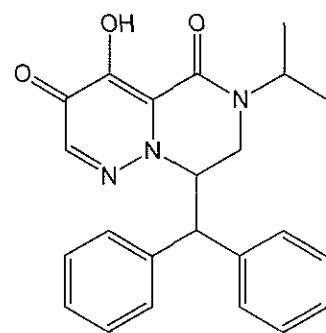


59. The compound of Claim 1, wherein the compound is

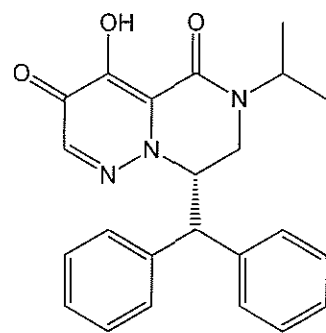


60. The compound of Claim 1, wherein the compound is

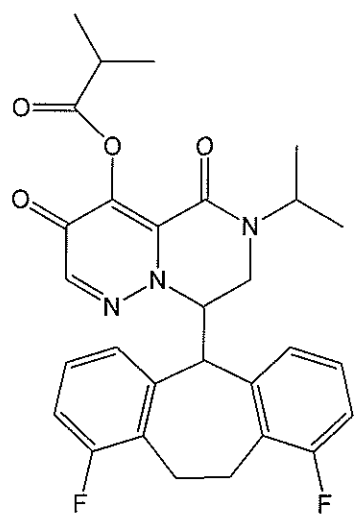




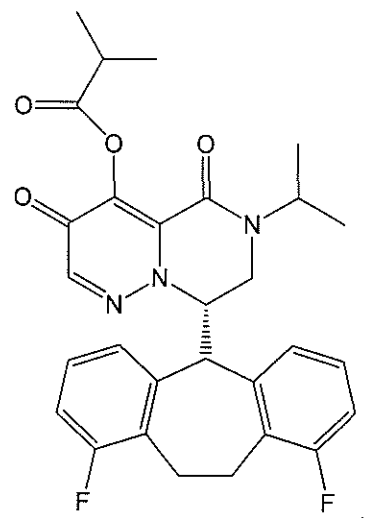
61. The compound of Claim 1, wherein the compound is or a pharmaceutically acceptable salt thereof.



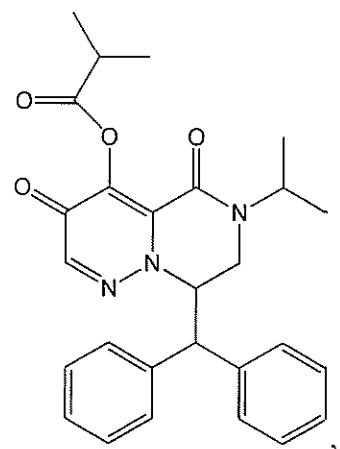
62. The compound of Claim 1, wherein the compound is or a pharmaceutically acceptable salt thereof.



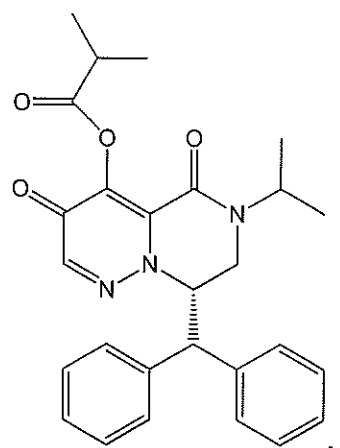
63. The compound of Claim 1, wherein the compound is or a pharmaceutically acceptable salt thereof.



64. The compound of Claim 1, wherein the compound is or a pharmaceutically acceptable salt thereof.

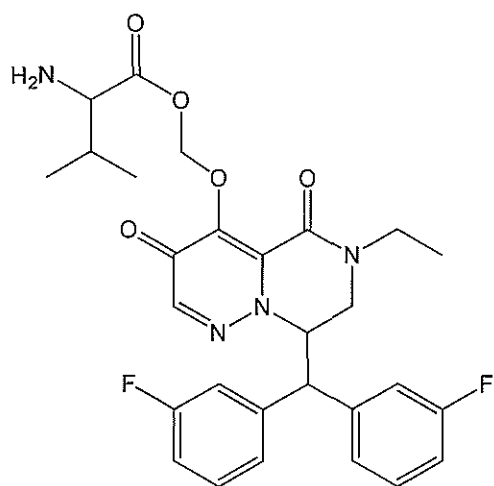


65. The compound of Claim 1, wherein the compound is or a pharmaceutically acceptable salt thereof.



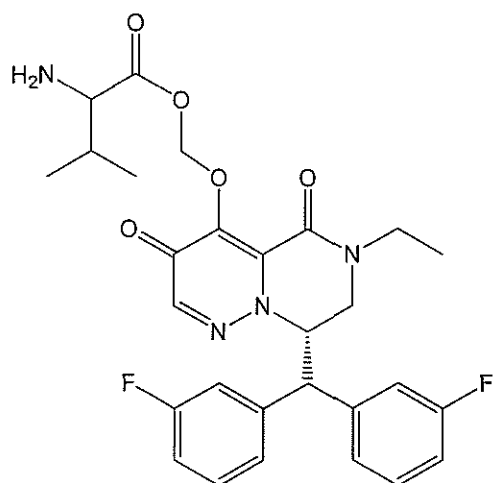
66. The compound of Claim 1, wherein the compound is or a pharmaceutically acceptable salt thereof.

67. The compound of Claim 1, wherein the compound is



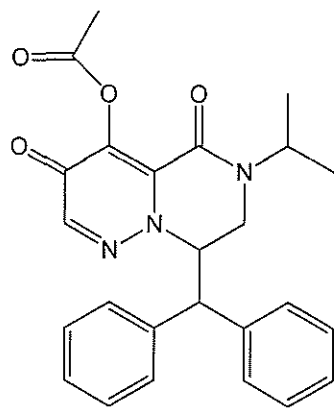
, or a pharmaceutically acceptable salt thereof.

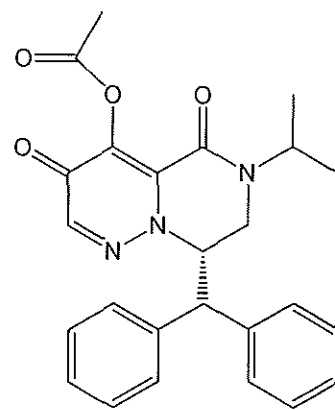
68. The compound of Claim 1, wherein the compound is



, or a pharmaceutically acceptable salt thereof.

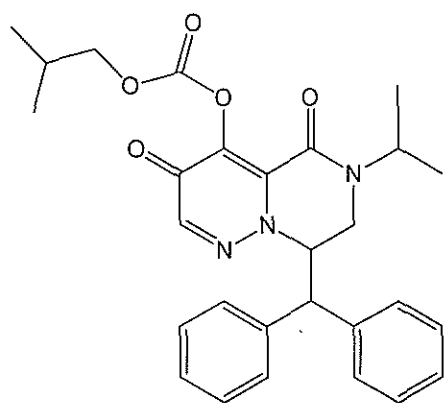
69. The compound of Claim 1, wherein the compound is
or a pharmaceutically acceptable salt thereof.





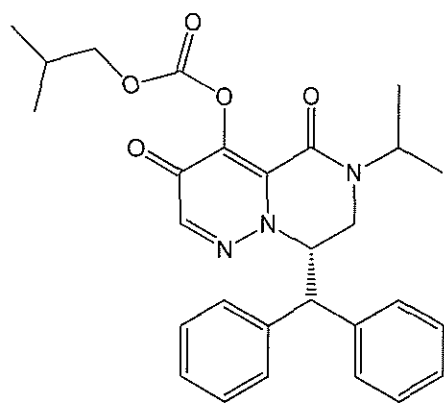
70. The compound of Claim 1, wherein the compound is or a pharmaceutically acceptable salt thereof.

71. The compound of Claim 1, wherein the compound is

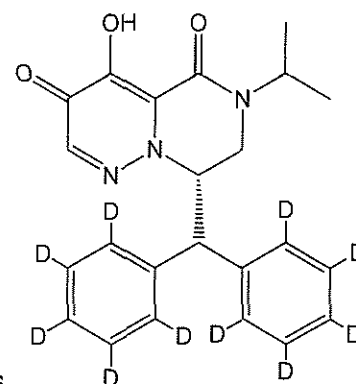


, or a pharmaceutically acceptable salt thereof.

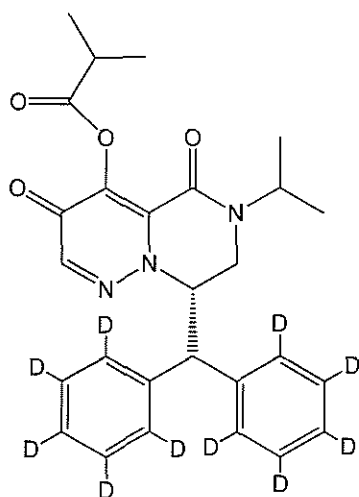
72. The compound of Claim 1, wherein the compound is



, or a pharmaceutically acceptable salt thereof.



73. The compound of Claim 1, wherein the compound is



and , or a pharmaceutically acceptable salt thereof.

74. A pharmaceutical composition comprising an effective amount of a compound of any one of Claims 1-73, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier, diluent, excipient, or combination thereof.

75. Use of an effective amount of a compound of any one of Claims 1-73, or a pharmaceutically acceptable salt thereof, in the preparation of a medicament for ameliorating or treating an orthomyxovirus viral infection.

76. Use of an effective amount of a compound of any one of Claims 1-73, or a pharmaceutically acceptable salt thereof, in the preparation of a medicament for inhibiting replication of an orthomyxovirus.

77. The use of Claim 75 or 76, wherein the use further includes the use of one or more agents.

78. Use of an effective amount of a compound of any one of Claims 1-73, or a pharmaceutically acceptable salt thereof, in the preparation of a medicament for inhibiting the endonuclease activity of an influenza endonuclease.

79. The use of any one of Claims 75-76, wherein the orthomyxovirus is an influenza virus.

80. The use of Claim 77, wherein the orthomyxovirus is an influenza virus; and wherein the one or more agents is selected from the group consisting of a neuraminidase inhibitor, a M2 protein inhibitor, a polymerase inhibitor, a PB2 inhibitor, amantadine, rimantadine, zanamivir, oseltamivir, peramivir, laninamivir, laninamivir octanoate, favipiravir, fludase, ADS-8902, an immuno-modulator, beraprost, ribavirin, CAS Reg. No. 1422050-75-6, CAS Reg. No. 1259366-34-1 and an influenza vaccine.

81. The use of Claim 80, wherein the one or more agents is oseltamivir.

82. The use of any one of Claims 79-81, wherein the influenza virus is influenza A,

83. The use of any one of Claims 79-81, wherein the influenza virus is influenza B.

84. The use of any one of Claims 79-81, wherein the influenza virus is influenza C.

85. The use of any one of Claims 79-81, wherein the influenza virus is selected from the group consisting of H1N1, H3N2, H5N1 and H7N9.

86. The use of any one of Claims 79-85, wherein the compound of any one of Claims 1-73, or a pharmaceutically acceptable salt thereof, is effective against more than 1 subtype of influenza.