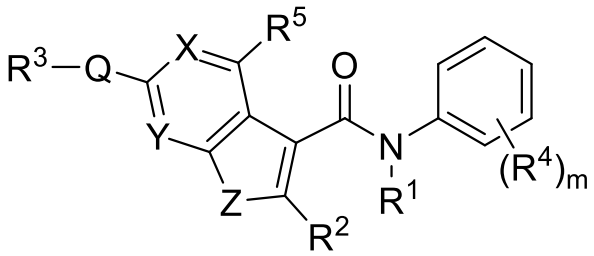
CLAIMS

WHAT IS CLAIMED IS:

1. A compound represented by Formula (I):



(I);

or a pharmaceutically acceptable salt thereof, wherein:

X is selected from CR^6 and N;

Y is selected from CR^{12} and N;

Z is selected from -O-, -S-, and $-NR^8$-;

Q is absent or selected from:

-W-, -O-, -O-W-, -W-O-, -S-, -S-W-, -W-S-, $-NR^{10}$- W-, -W-NR^{10}-, -C(O)-, $-C(O)N(R^{10})$-, $-N(R^{10})C(O)$-, -C(O)O-, -OC(O)-, $-N(R^{10})C(O)N(R^{10})$ -, $-OC(O)N(R^{10})$-, $-N(R^{10})C(O)O$-, $-S(O)$-, $-S(O)_2$-, and $-P(O)_2O$-;

m is selected from 1, 2, 3, 4, and 5;

R^1 is selected from:

hydrogen;

C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl, each of which is optionally substituted with one or more substituents independently selected from halogen, $-OR^{10}$, $-SR^{10}$, $-N(R^{10})_2$, $-C(O)R^{10}$, $-C(O)N(R^{10})_2$, $-N(R^{10})C(O)R^{10}$, $-C(O)OR^{10}$, $-OC(O)R^{10}$, $-N(R^{10})C(O)N(R^{10})_2$, $-OC(O)N(R^{10})_2$, $-N(R^{10})C(O)OR^{10}$, $-S(O)R^{10}$, $-S(O)_2R^{10}$, $-NO_2$, =O, =S, $=N(R^{10})$, -CN, C_{3-10} carbocycle and 3- to 10-membered heterocycle, wherein the C_{3-10} carbocycle and 3- to 10-membered heterocycle are each optionally substituted with one or more R^9; and

C_{3-10} carbocycle and 3- to 10-membered heterocycle, each of which is optionally substituted with one or more substituents independently selected from halogen, $-OR^{10}$, $-SR^{10}$, $-N(R^{10})_2$, $-C(O)R^{10}$, $-C(O)N(R^{10})_2$, $-N(R^{10})C(O)R^{10}$, $-N(R^{10})C(O)N(R^{10})_2$, $-OC(O)N(R^{10})_2$, $-N(R^{10})C(O)OR^{10}$, $-C(O)OR^{10}$, $-OC(O)R^{10}$, $-S(O)R^{10}$, $-S(O)_2R^{10}$, $-NO_2$, =O, =S, $=N(R^{10})$, -CN, C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl, wherein C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl are each optionally substituted with one or more R^9;

R^2 is selected from:

hydrogen;

halogen, $-OR^{10}$, $-SR^{10}$, $-N(R^{10})_2$, $-C(O)R^{10}$, $-C(O)N(R^{10})_2$, $-N(R^{10})C(O)R^{10}$, $-N(R^{10})C(O)N(R^{10})_2$, $-OC(O)N(R^{10})_2$, $-N(R^{10})C(O)OR^{10}$, $-C(O)OR^{10}$, $-OC(O)R^{10}$, $-S(O)R^{10}$, $-S(O)_2R^{10}$, $-NO_2$, and -CN;

C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl, each of which is optionally substituted with one or more substituents independently selected from halogen, $-OR^{10}$, $-SR^{10}$, $-N(R^{10})_2$, $-C(O)R^{10}$, $-C(O)N(R^{10})_2$, $-N(R^{10})C(O)R^{10}$, $-C(O)OR^{10}$, $-OC(O)R^{10}$, $-N(R^{10})C(O)N(R^{10})_2$, $-OC(O)N(R^{10})_2$, $-N(R^{10})C(O)OR^{10}$, $-S(O)R^{10}$, $-S(O)_2R^{10}$, $-NO_2$, =O, =S, $=N(R^{10})$, -CN, C_{3-10} carbocycle and 3- to 10-membered heterocycle, wherein the C_{3-10} carbocycle and 3- to 10-membered heterocycle are each optionally substituted with one or more R^9; and

C_{3-6} carbocycle and 3- to 6-membered heterocycle, each of which is optionally substituted with one or more substituents independently selected from halogen, -OH, $-SR^{10}$, $-N(R^{10})_2$, $-C(O)R^{10}$, $-C(O)N(R^{10})_2$, $-N(R^{10})C(O)R^{10}$, $-N(R^{10})C(O)N(R^{10})_2$, $-OC(O)N(R^{10})_2$, $-N(R^{10})C(O)OR^{10}$, $-C(O)OR^{10}$, $-OC(O)R^{10}$, $-S(O)R^{10}$, $-S(O)_2R^{10}$, $-NO_2$, =O, =S, $=N(R^{10})$, -CN, C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl, wherein C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl are each optionally substituted with one or more R^9;

R^3 is selected from:

C_{3-6} carbocycle and 3- to 6-membered heterocycle, each of which is optionally substituted with one or more substituents independently selected from halogen, $-OR^{10}$, $-SR^{10}$, $-N(R^{10})_2$, $-C(O)R^{10}$, $-C(O)N(R^{10})_2$, $-N(R^{10})C(O)R^{10}$, $-N(R^{10})C(O)N(R^{10})_2$, $-OC(O)N(R^{10})_2$, $-N(R^{10})C(O)OR^{10}$, $-C(O)OR^{10}$, $-OC(O)R^{10}$, $-S(O)R^{10}$, $-S(O)_2R^{10}$, $-NO_2$, =O, =S, $=N(R^{10})$, -CN, C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl, wherein C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl are each optionally substituted with one or more R^9; and

wherein if Q is - W-, then R^3 is additionally selected from halogen, $-OR^{10}$, $-SR^{10}$, $-N(R^{10})_2$, $-C(O)R^{10}$, $-C(O)N(R^{10})_2$, $-N(R^{10})C(O)R^{10}$, $-N(R^{10})C(O)N(R^{10})_2$, $-OC(O)N(R^{10})_2$, $-N(R^{10})C(O)OR^{10}$, $-C(O)OR^{10}$, $-OC(O)R^{10}$, $-S(O)R^{10}$, $-S(O)_2R^{10}$, $-NO_2$, and -CN; and

wherein R^3 is not pyrimidine;

each R^4 is independently selected from:

halogen, -OR^7, -SR^7, -$N(R^7)_2$, -$C(O)R^7$, -$C(O)N(R^7)_2$, -$N(R^7)C(O)R^7$, -$N(R^7)C(O)N(R^7)_2$, -$OC(O)N(R^7)_2$, -$N(R^7)C(O)OR^7$, -$C(O)OR^7$, -$OC(O)R^7$, -$S(O)R^7$, -$S(O)_2R^7$, -NO_2, and -CN;

C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl, each of which is optionally substituted with one or more substituents independently selected from halogen, -OR^{10}, -SR^{10}, -$N(R^{10})_2$, -$C(O)R^{10}$, -$C(O)N(R^{10})_2$, -$N(R^{10})C(O)R^{10}$, -$C(O)OR^{10}$, -$OC(O)R^{10}$, -$N(R^{10})C(O)N(R^{10})_2$, -$OC(O)N(R^{10})_2$, -$N(R^{10})C(O)OR^{10}$, -$S(O)R^{10}$, -$S(O)_2R^{10}$, -NO_2, =O, =S, =$N(R^{10})$, -CN, C_{3-10} carbocycle and 3- to 10-membered heterocycle, wherein the C_{3-10} carbocycle and 3- to 10-membered heterocycle are each optionally substituted with one or more R^9; and

C_{3-10} carbocycle and 3- to 10-membered heterocycle, each of which is optionally substituted with one or more substituents independently selected from halogen, -OR^{10}, -SR^{10}, -$N(R^{10})_2$, -$C(O)R^{10}$, -$C(O)N(R^{10})_2$, -$N(R^{10})C(O)R^{10}$, -$N(R^{10})C(O)N(R^{10})_2$, -$OC(O)N(R^{10})_2$, -$N(R^{10})C(O)OR^{10}$, -$C(O)OR^{10}$, -$OC(O)R^{10}$, -$S(O)R^{10}$, -$S(O)_2R^{10}$, -NO_2, =O, =S, =$N(R^{10})$, -CN, C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl, wherein C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl are each optionally substituted with one or more R^9;

R^5 is selected from:

hydrogen, halogen, -OR^{10}, -SR^{10}, -$N(R^{10})_2$, -NO_2, and -CN; and

C_{1-6} alkyl optionally substituted with one or more substituents independently selected from halogen, -OR^{10}, -SR^{10}, -$N(R^{10})_2$, -NO_2, and -CN;

R^6 is selected from:

hydrogen, halogen, -OR^{10}, -SR^{10}, -$N(R^{10})_2$, -NO_2, and -CN; and

C_{1-6} alkyl optionally substituted with one or more substituents independently selected from halogen, -OR^{10}, -SR^{10}, -$N(R^{10})_2$, -NO_2, and -CN;

each R^7 is independently selected from:

hydrogen;

C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl, each of which is optionally substituted with one or more substituents independently selected from halogen, -OR^{10}, -SR^{10}, -$N(R^{10})_2$, -$C(O)R^{10}$, -$C(O)N(R^{10})_2$, -$N(R^{10})C(O)R^{10}$, -$C(O)OR^{10}$, -$OC(O)R^{10}$, -$N(R^{10})C(O)N(R^{10})_2$, -$OC(O)N(R^{10})_2$, -$N(R^{10})C(O)OR^{10}$, -$S(O)R^{10}$, -$S(O)_2R^{10}$, -NO_2, =O, =S, =$N(R^{10})$, -CN, C_{3-10} carbocycle and 3- to 10-membered heterocycle, wherein the C_{3-10} carbocycle and 3- to 10-membered heterocycle are each optionally substituted with one or more R^9; and

C_{3-10} carbocycle and 3- to 10-membered heterocycle, each of which is optionally substituted with one or more substituents independently selected from halogen, $-OR^{10}$, $-SR^{10}$, $-N(R^{10})_2$, $-C(O)R^{10}$, $-C(O)N(R^{10})_2$, $-N(R^{10})C(O)R^{10}$, $-N(R^{10})C(O)N(R^{10})_2$, $-OC(O)N(R^{10})_2$, $-N(R^{10})C(O)OR^{10}$, $-C(O)OR^{10}$, $-OC(O)R^{10}$, $-S(O)R^{10}$, $-S(O)_2R^{10}$, $-NO_2$, =O, =S, $=N(R^{10})$, -CN, C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl, wherein C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl are each optionally substituted with one or more R^9;

R^8 is selected from:

hydrogen;

C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl, each of which is optionally substituted with one or more substituents independently selected from halogen, $-SR^{10}$, $-N(R^{10})_2$, $-C(O)R^{10}$, $-C(O)N(R^{10})_2$, $-N(R^{10})C(O)R^{10}$, $-C(O)OR^{10}$, $-OC(O)R^{10}$, $-N(R^{10})C(O)N(R^{10})_2$, $-OC(O)N(R^{10})_2$, $-N(R^{10})C(O)OR^{10}$, $-S(O)R^{10}$, $-S(O)_2R^{10}$, $-NO_2$, =O, =S, $=N(R^{10})$, -CN, C_{3-10} carbocycle and 3- to 10-membered heterocycle, wherein the C_{3-10} carbocycle and 3- to 10-membered heterocycle are each optionally substituted with one or more R^9; and

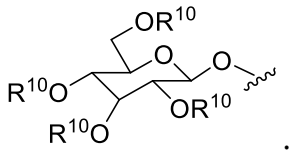
C_{3-10} carbocycle and 3- to 10-membered heterocycle, each of which is optionally substituted with one or more substituents independently selected from halogen, $-OR^{10}$, $-SR^{10}$, $-N(R^{10})_2$, $-C(O)R^{10}$, $-C(O)N(R^{10})_2$, $-N(R^{10})C(O)R^{10}$, $-N(R^{10})C(O)N(R^{10})_2$, $-OC(O)N(R^{10})_2$, $-N(R^{10})C(O)OR^{10}$, $-C(O)OR^{10}$, $-OC(O)R^{10}$, $-S(O)R^{10}$, $-S(O)_2R^{10}$, $-NO_2$, =O, =S, $=N(R^{10})$, -CN, C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl, wherein C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl are each optionally substituted with one or more R^9;

each R^9 is independently selected from:

halogen, $-R^{10}$, $-OR^{10}$, $-SR^{10}$, $-N(R^{10})_2$, $-C(O)R^{10}$, $-C(O)N(R^{10})_2$, $-N(R^{10})C(O)R^{10}$, $-N(R^{10})C(O)N(R^{10})_2$, $-OC(O)N(R^{10})_2$, $-N(R^{10})C(O)OR^{10}$, $-C(O)OR^{10}$, $-OC(O)R^{10}$, $-OC(O)_2R^{10}$, $-S(O)R^{10}$, $-S(O)_2R^{10}$, $-NO_2$, =O, =S, $=N(R^{10})$, and -CN; and

C_{1-3} alkyl, C_{2-3} alkenyl, and C_{2-3} alkynyl, each of which is optionally substituted with one or more substituents independently selected from halogen, $-OR^{10}$, $-SR^{10}$, $-N(R^{10})_2$, $-C(O)R^{10}$, $-C(O)N(R^{10})_2$, $-N(R^{10})C(O)R^{10}$, $-N(R^{10})C(O)N(R^{10})_2$, $-OC(O)N(R^{10})_2$, $-N(R^{10})C(O)OR^{10}$, $-C(O)OR^{10}$, $-OC(O)R^{10}$, $-S(O)R^{10}$, $-S(O)_2R^{10}$, $-NO_2$, =O, =S, $=N(R^{10})$, and -CN; and

C_{3-10} carbocycle and 3- to 10-membered heterocycle, each of which is optionally substituted with one or more substituents independently selected from halogen, $-R^{10}$, $-OR^{10}$, $-SR^{10}$, $-N(R^{10})_2$, $-C(O)R^{10}$, $-C(O)N(R^{10})_2$, $-N(R^{10})C(O)R^{10}$, $-N(R^{10})C(O)N(R^{10})_2$, $-OC(O)N(R^{10})_2$, $-N(R^{10})C(O)OR^{10}$, $-C(O)OR^{10}$, $-OC(O)R^{10}$, $-S(O)R^{10}$, $-S(O)_2R^{10}$, $-NO_2$, =O, =S, $=N(R^{10})$, and -CN; and



each R^{10} is independently selected from:

hydrogen; and

C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl, each of which is optionally substituted with one or more substituents independently selected from halogen, -CN, -OH, -SH, $-NO_2$, $-NH_2$, =O, =S, $-O-C_{1-6}$ alkyl, $-S-C_{1-6}$ alkyl, $-N(C_{1-6}$ alkyl$)_2$, $-NH(C_{1-6}$ alkyl), C_{3-10} carbocycle, 3- to 10-membered heterocycle; and

C_{3-10} carbocycle, and 3- to 10-membered heterocycle, each of which is optionally substituted with one or more substituents independently selected from halogen, -CN, -OH, -SH, $-NO_2$, $-NH_2$, =O, =S, $-O-C_{1-6}$ alkyl, $-S-C_{1-6}$ alkyl, $-N(C_{1-6}$ alkyl$)_2$, $-NH(C_{1-6}$ alkyl), C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} carbocycle, 3- to 10-membered heterocycle, and C_{1-6} haloalkyl;

W is selected from:

C_{1-6} alkylene, C_{2-6} alkenylene, and C_{2-6} alkynylene, each of which is optionally substituted with one or more substituents independently selected from halogen, -CN, -OH, -SH, $-NO_2$, $-NH_2$, =O, =S, $-O-C_{1-6}$ alkyl, $-S-C_{1-6}$ alkyl, $-N(C_{1-6}$ alkyl$)_2$, $-NH(C_{1-6}$ alkyl), C_{3-10} carbocycle, and 3- to 10-membered heterocycle;

R^{12} is selected from:

hydrogen, halogen, $-OR^{10}$, $-SR^{10}$, $-N(R^{10})_2$, $-NO_2$, and -CN; and

C_{1-6} alkyl optionally substituted with one or more substituents independently selected from halogen, $-OR^{10}$, $-SR^{10}$, $-N(R^{10})_2$, $-NO_2$, and -CN;

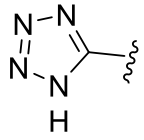
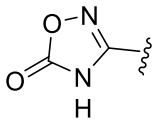
wherein if Z is NH then R^4 is not NH_2, and

wherein if Z is O or S, R^4 is $-OR^3$, and R^5 is H, then $W-R^3$ is additionally selected from C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl.

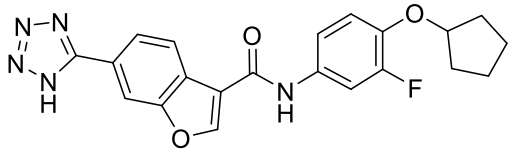
2. The compound or salt of claim 1, wherein Z is selected from -O- and -S-.
3. The compound or salt of any one of claims 1 to 2, wherein X is CR^6.

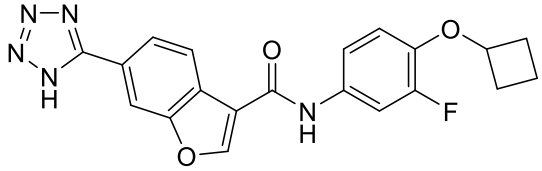
4. The compound or salt of any one of claims 1 to 3, wherein Y is CR^{12}.
5. The compound or salt of any one of claims 1 to 4, wherein Q is absent or -O-.
6. The compound or salt of any one of claims 1 to 5, wherein m is selected from 1 and 2.
7. The compound or salt of any one of claims 1 to 8, wherein R^1 is selected from:

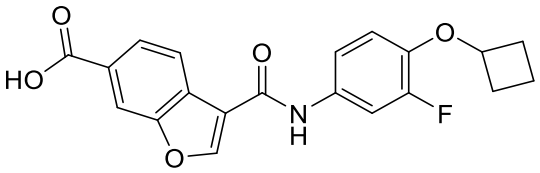
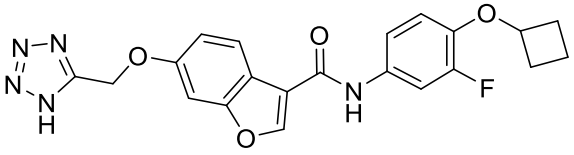
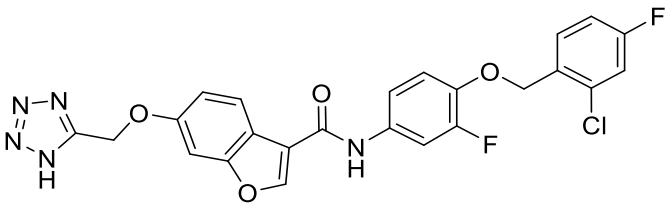
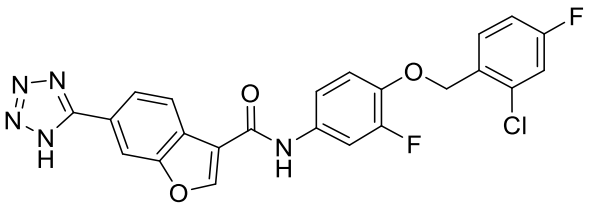
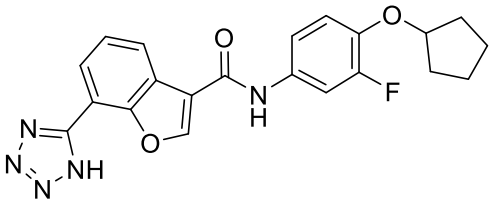
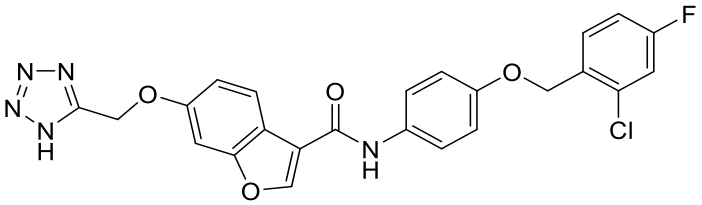
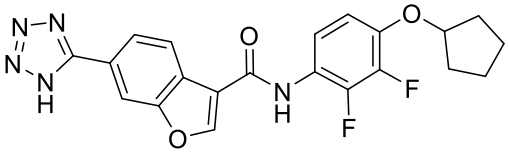
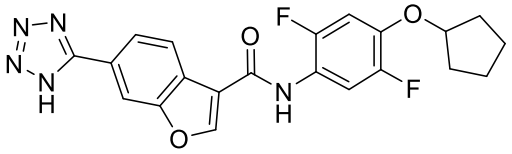
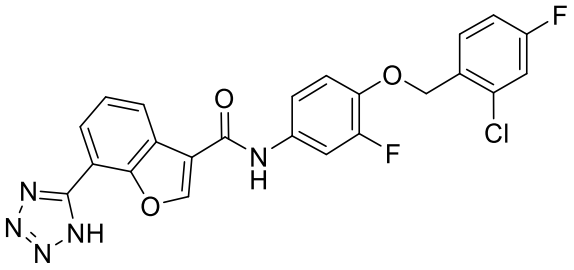
   hydrogen

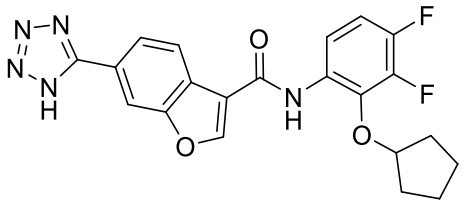
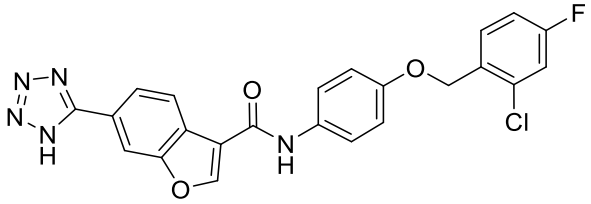
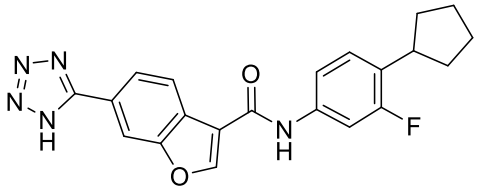
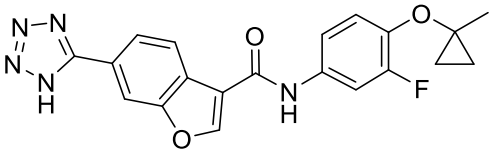
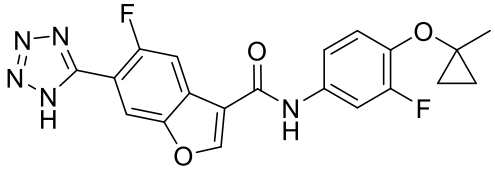
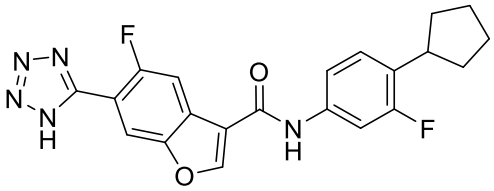
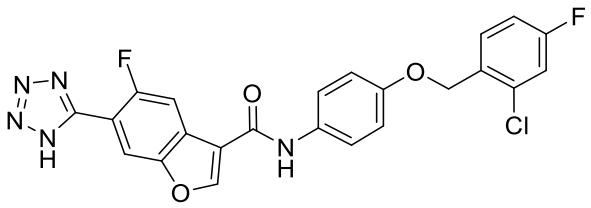
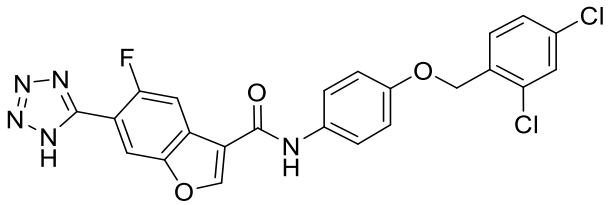
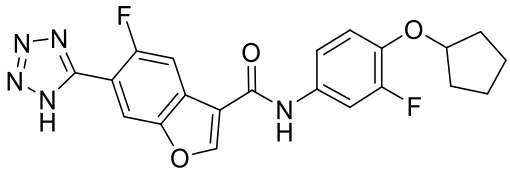
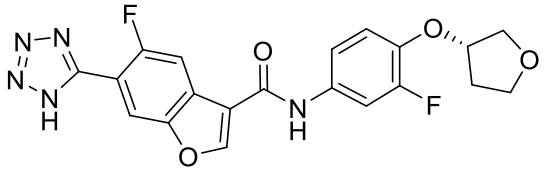
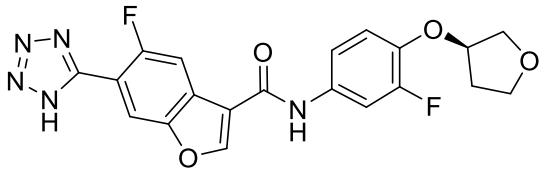
   and $C_{1\text{-}6}$ alkyl.
8. The compound or salt of any one of claims 1 to 7, wherein R^2 is selected from hydrogen, halogen, and $C_{1\text{-}3}$ alkyl.
9. The compound or salt of any one of claims 1 to 8, wherein R^3 is a 5-membered heterocycle is selected from  and  optionally substituted with one or more R^9.
10. The compound or salt of any one of claims 1 to 9, wherein m is 1 and one R^4 is halogen.
11. The compound or salt of any one of claims 1 to 9, wherein m is 1 and one R^4 is -OR^7.
12. The compound or salt of any one of claims 1 to 11, wherein each R^7 is selected from:

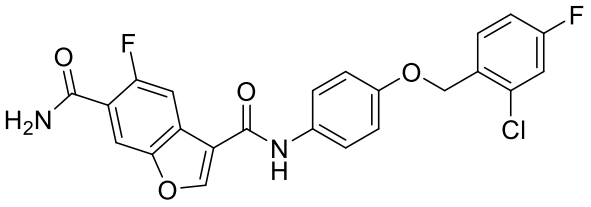
    $C_{1\text{-}6}$ alkyl, optionally substituted with one or more substituents independently selected from halogen, $C_{3\text{-}10}$ carbocycle and 3- to 10-membered heterocycle, wherein the $C_{3\text{-}10}$ carbocycle and 3- to 10-membered heterocycle are each optionally substituted with one or more R^9.
13. The compound or salt of any one of claims 1 to 12, wherein R^6 is selected from hydrogen and halogen.
14. The compound or salt of claim 1, selected from:


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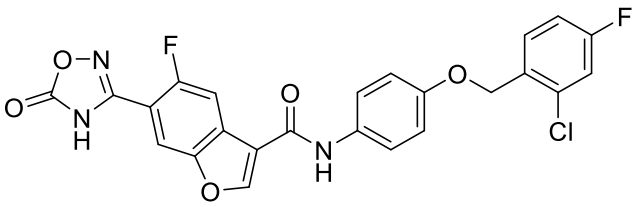

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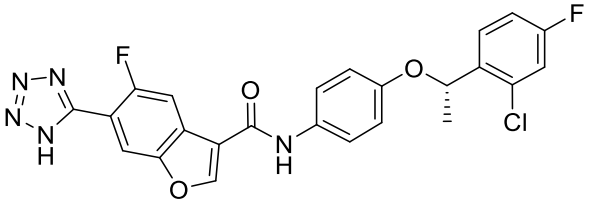

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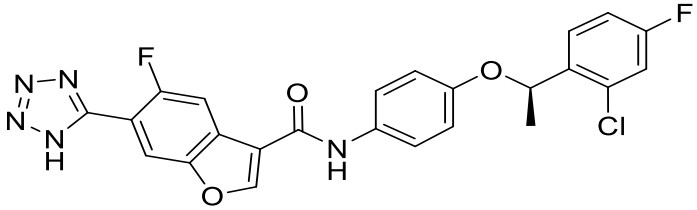
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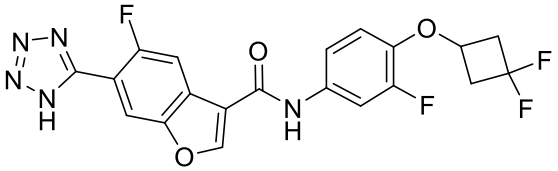
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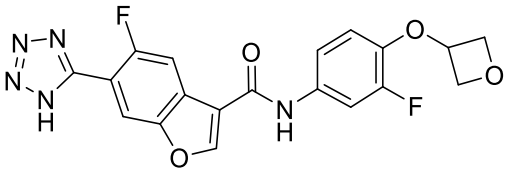
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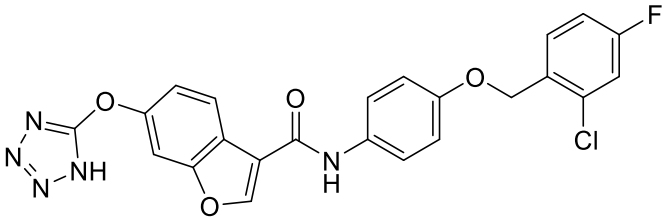
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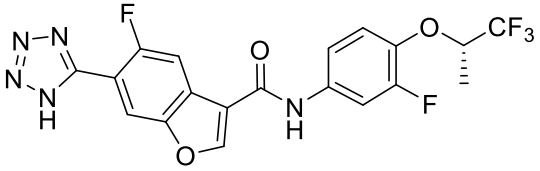
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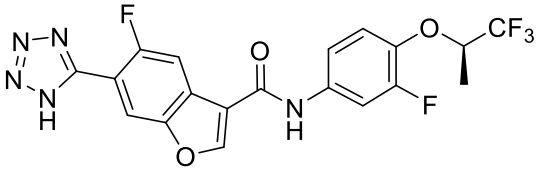
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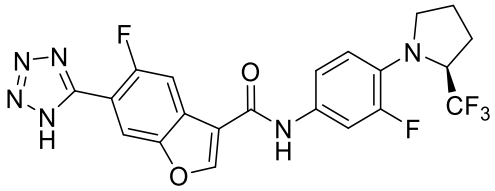
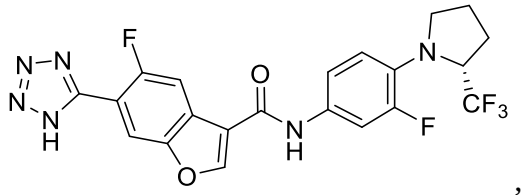
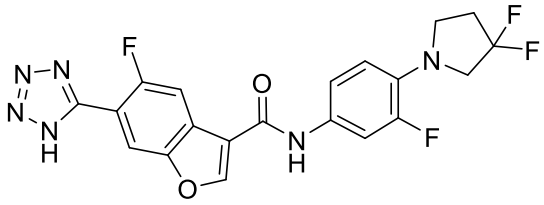
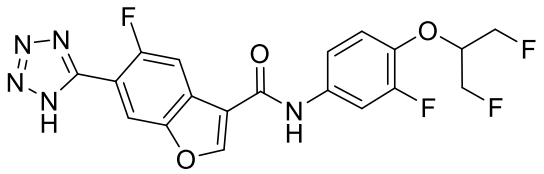
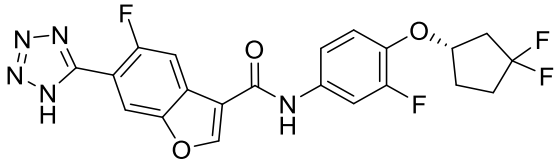
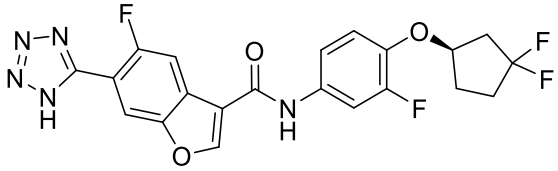
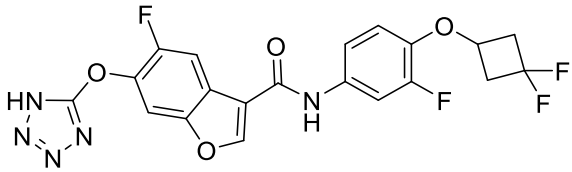
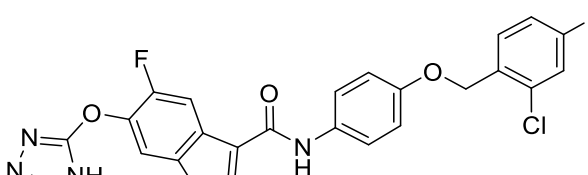
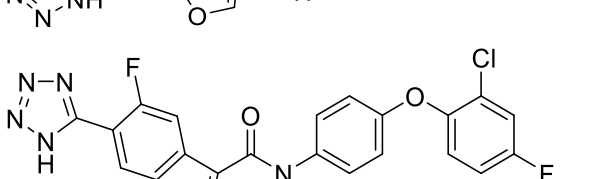
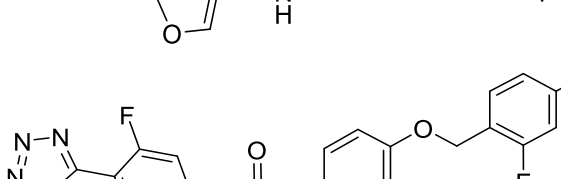
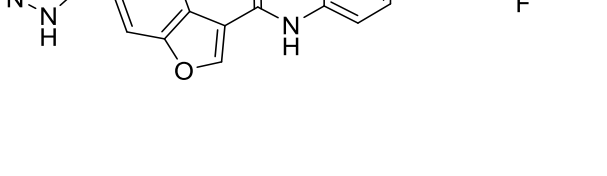
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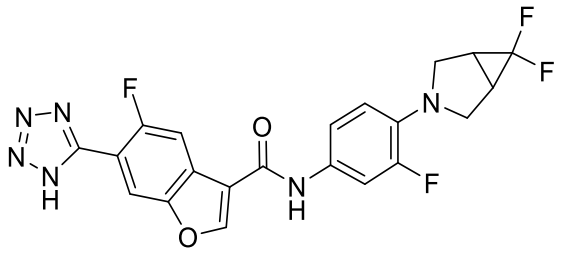
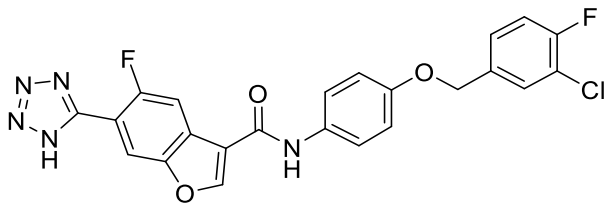
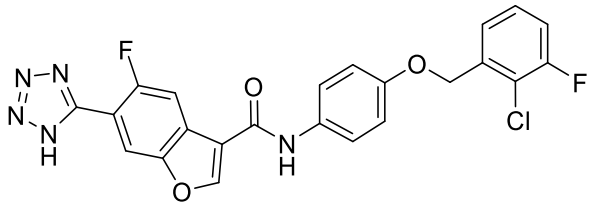
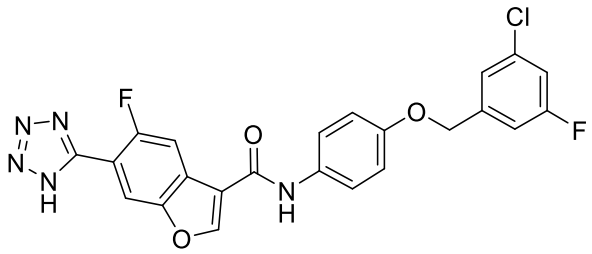
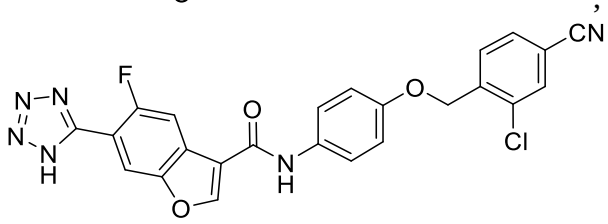
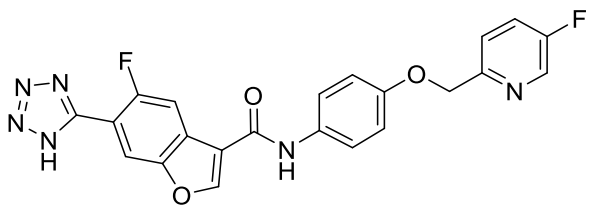
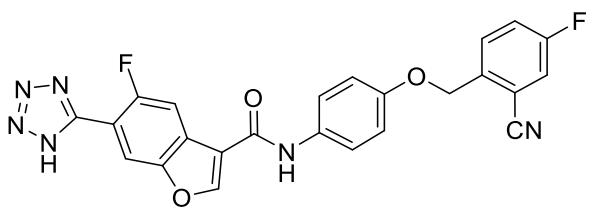
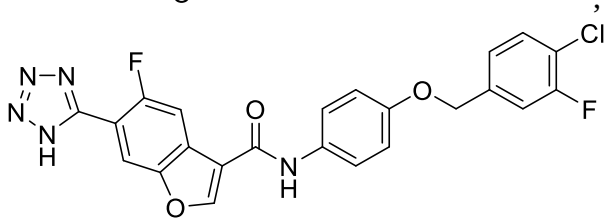


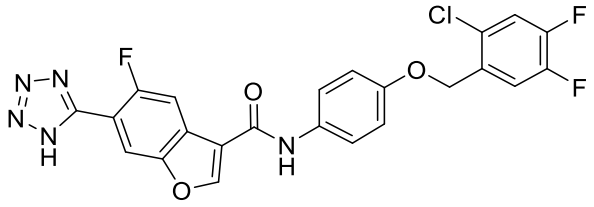
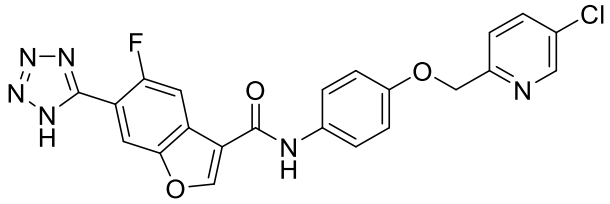
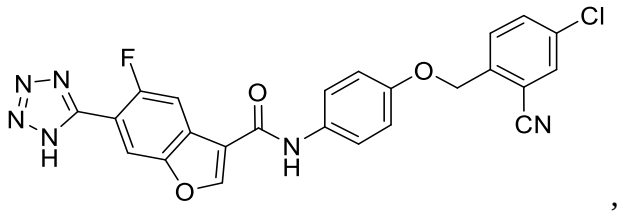
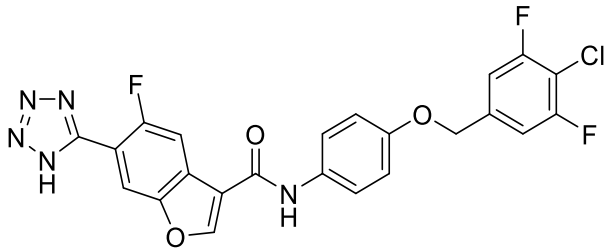
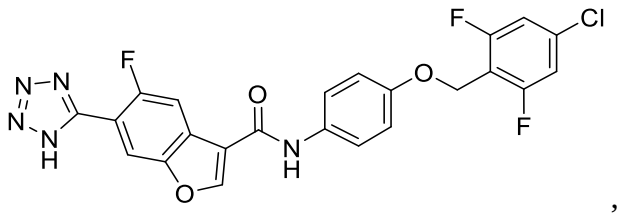
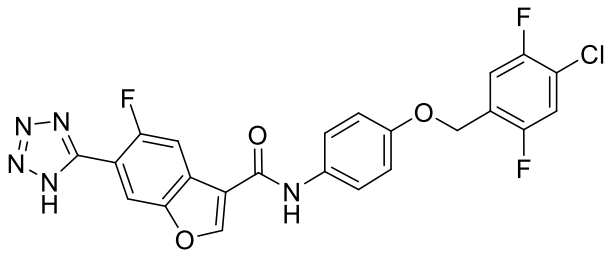
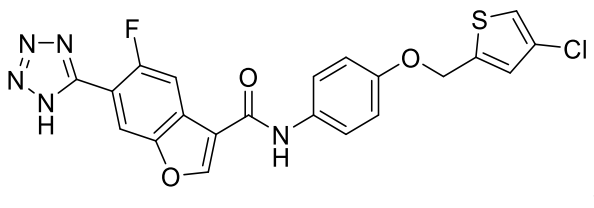
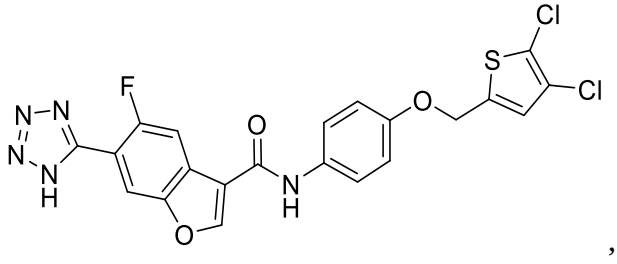
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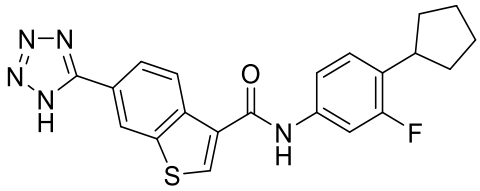
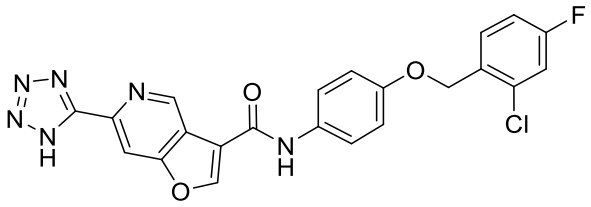
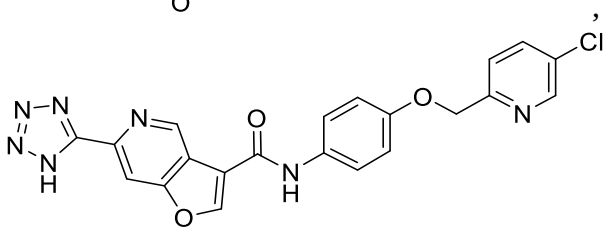
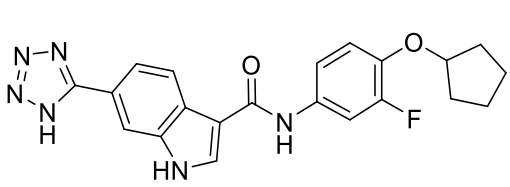
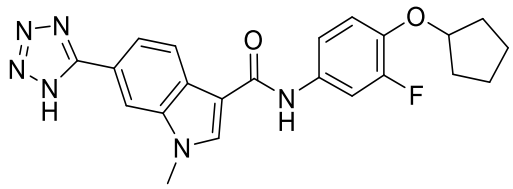
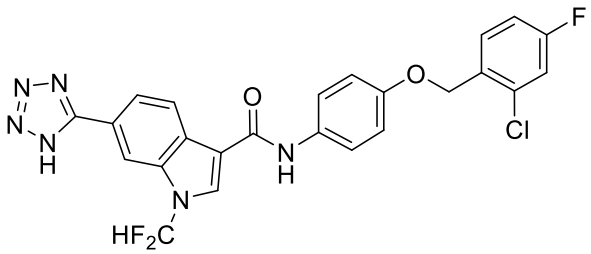
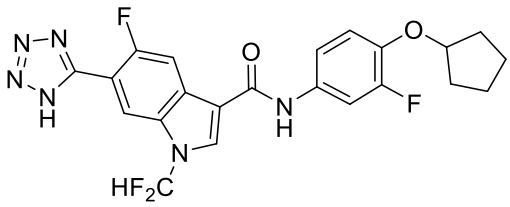
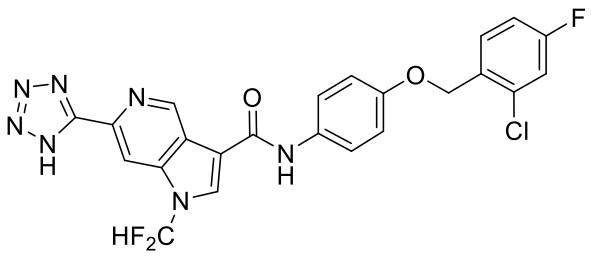


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and combinations thereof.

15. A pharmaceutical composition comprising a compound or salt of any one of claims 1 to 14 and a pharmaceutically acceptable excipient.

16. Use of a compound or salt of any one of claims 1 to 14 in the manufacture of a medicament for the treatment of cancer.

17. The use of claim 16, wherein the medicament is used in a cancer immunotherapy.
18. The use of claim 16 or 17, wherein the cancer is a solid tumor.
19. The use of claim 18, wherein the solid tumor is a sarcoma, carcinoma, or lymphoma.
20. The use of claim 18, wherein the solid tumor is in the breast, brain, kidney, ovary, cervix, pancreas, thyroid, colon, bladder, prostate, liver, stomach, or lung.