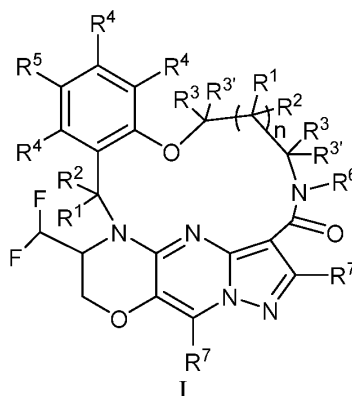


CLAIMS

1. A compound of the formula I



wherein

each R^1 and R^2 is independently H, deuterium, halogen, C_1 - C_6 alkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, C_3 - C_6 cycloalkyl, 3- to 7-membered heterocycloalkyl, C_6 - C_{10} aryl, mono- or bicyclic heteroaryl, $-OR^a$, $-OC(O)R^a$, $-OC(O)R^a$, $-OC(O)NR^aR^b$, $-OS(O)R^a$, $-OS(O)_2R^a$, $-SR^a$, $-S(O)R^a$, $-S(O)_2R^a$, $-S(O)NR^aR^b$, $-S(O)_2NR^aR^b$, $-OS(O)NR^aR^b$, $-OS(O)_2NR^aR^b$, $-NR^aR^b$, $-NR^aC(O)R^b$, $-NR^aC(O)OR^b$, $-NR^aC(O)NR^aR^b$, $-NR^aS(O)R^b$, $-NR^aS(O)_2R^b$, $-NR^aS(O)NR^aR^b$, $-NR^aS(O)_2NR^aR^b$, $-C(O)R^a$, $-C(O)OR^a$, $-C(O)NR^aR^b$, $-PR^aR^b$, $-P(O)R^aR^b$, $-P(O)_2R^aR^b$, $-P(O)NR^aR^b$, $-P(O)_2NR^aR^b$, $-P(O)OR^a$, $-P(O)_2OR^a$, $-CN$, or $-NO_2$; or R^1 and R^2 taken together with the carbon atom to which they are attached combine to form a C_3 - C_6 cycloalkyl; wherein each hydrogen atom in C_1 - C_6 alkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, C_3 - C_6 cycloalkyl, 3- to 7-membered heterocycloalkyl, C_6 - C_{10} aryl, and mono- or bicyclic heteroaryl is independently optionally substituted by deuterium, halogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, $-OR^e$, $-OC(O)R^e$, $-OC(O)NR^eR^f$, $-OC(=N)NR^eR^f$, $-OS(O)R^e$, $-OS(O)_2R^e$, $-OS(O)NR^eR^f$, $-OS(O)_2NR^eR^f$, $-SR^e$, $-S(O)R^e$, $-S(O)_2R^e$, $-S(O)NR^eR^f$, $-S(O)_2NR^eR^f$, $-NR^eR^f$, $-NR^eC(O)R^f$, $-NR^eC(O)OR^f$, $-NR^eC(O)NR^eR^f$, $-NR^eS(O)R^f$, $-NR^eS(O)_2R^f$, $-NR^eS(O)NR^eR^f$, $-NR^eS(O)_2NR^eR^f$, $-C(O)R^e$, $-C(O)OR^e$, $-C(O)NR^eR^f$, $-PR^eR^f$, $-P(O)R^eR^f$, $-P(O)_2R^eR^f$, $-P(O)NR^eR^f$, $-P(O)_2NR^eR^f$, $-P(O)OR^e$, $-P(O)_2OR^e$, $-CN$, or $-NO_2$;

each R^3 and $R^{3'}$ is independently H, deuterium, halogen, C_1 - C_6 alkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, C_3 - C_6 cycloalkyl, 3- to 7-membered heterocycloalkyl, C_6 - C_{10} aryl, mono- or bicyclic heteroaryl, $-OR^a$, $-OC(O)R^a$, $-OC(O)R^a$, $-OC(O)NR^aR^b$, $-OS(O)R^a$, $-OS(O)_2R^a$, $-SR^a$, $-S(O)R^a$, $-S(O)_2R^a$, $-S(O)NR^aR^b$, $-S(O)_2NR^aR^b$, $-OS(O)NR^aR^b$, $-OS(O)_2NR^aR^b$, $-NR^aR^b$, $-NR^aC(O)R^b$, $-NR^aC(O)OR^b$, $-NR^aC(O)NR^aR^b$, $-NR^aS(O)R^b$, $-NR^aS(O)_2R^b$, $-NR^aS(O)NR^aR^b$, $-NR^aS(O)_2NR^aR^b$, $-C(O)R^a$, $-C(O)OR^a$, $-C(O)NR^aR^b$, $-PR^aR^b$, $-P(O)R^aR^b$, $-P(O)_2R^aR^b$,

-P(O)NR^aR^b, -P(O)₂NR^aR^b, -P(O)OR^a, -P(O)₂OR^a, -CN, or -NO₂, wherein each hydrogen atom in C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, C₃-C₆ cycloalkyl, 3- to 7-membered heterocycloalkyl, C₆-C₁₀ aryl, mono- or bicyclic heteroaryl, is independently optionally substituted by deuterium, halogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl, -OR^e, -OC(O)R^e, -OC(O)NR^eR^f, -OC(=N)NR^eR^f, -OS(O)R^e, -OS(O)₂R^e, -OS(O)NR^eR^f, -OS(O)₂NR^eR^f, -SR^e, -S(O)R^e, -S(O)₂R^e, -S(O)NR^eR^f, -S(O)₂NR^eR^f, -NR^eR^f, -NR^eC(O)R^f, -NR^eC(O)OR^f, -NR^eC(O)NR^eR^f, -NR^eS(O)R^f, -NR^eS(O)₂R^f, -NR^eS(O)NR^eR^f, -NR^eS(O)₂NR^eR^f, -C(O)R^e, -C(O)OR^e, -C(O)NR^eR^f, -PR^eR^f, -P(O)R^eR^f, -P(O)₂R^eR^f, -P(O)NR^eR^f, -P(O)₂NR^eR^f, -P(O)OR^e, -P(O)₂OR^e, -CN, or -NO₂; or R³ and R^{3'} taken together with the carbon atom to which they are attached combine to form a C₃-C₆ cycloalkyl; wherein each hydrogen atom in C₃-C₆ cycloalkyl is independently optionally substituted by deuterium, halogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl, -OR^e, -OC(O)R^e, -OC(O)NR^eR^f, -OC(=N)NR^eR^f, -OS(O)R^e, -OS(O)₂R^e, -OS(O)NR^eR^f, -OS(O)₂NR^eR^f, -SR^e, -S(O)R^e, -S(O)₂R^e, -S(O)NR^eR^f, -S(O)₂NR^eR^f, -NR^eR^f, -NR^eC(O)R^f, -NR^eC(O)OR^f, -NR^eC(O)NR^eR^f, -NR^eS(O)R^f, -NR^eS(O)₂R^f, -NR^eS(O)NR^eR^f, -NR^eS(O)₂NR^eR^f, -C(O)R^e, -C(O)OR^e, -C(O)NR^eR^f, -PR^eR^f, -P(O)R^eR^f, -P(O)₂R^eR^f, -P(O)NR^eR^f, -P(O)₂NR^eR^f, -P(O)OR^e, -P(O)₂OR^e, -CN, or -NO₂;

each R⁴ and R⁵ is independently hydrogen, deuterium, halogen, -OR^c, -OC(O)R^c, -OC(O)NR^cR^d, -OC(=N)NR^cR^d, -OS(O)R^c, -OS(O)₂R^c, -OS(O)NR^cR^d, -OS(O)₂NR^cR^d, -SR^c, -S(O)R^c, -S(O)₂R^c, -S(O)NR^cR^d, -S(O)₂NR^cR^d, -NR^cR^d, -NR^cC(O)R^d, -NR^cC(O)OR^d, -NR^cC(O)NR^cR^d, -NR^cC(=N)NR^cR^d, -NR^cS(O)R^d, -NR^cS(O)₂R^d, -NR^cS(O)NR^cR^d, -NR^cS(O)₂NR^cR^d, -C(O)R^c, -C(O)OR^c, -C(O)NR^cR^d, -C(=N)NR^cR^d, -PR^cR^d, -P(O)R^cR^d, -P(O)₂R^cR^d, -P(O)NR^cR^d, -P(O)₂NR^cR^d, -P(O)OR^c, -P(O)₂OR^c, -CN, -NO₂, C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, C₃-C₆ cycloalkyl, 3- to 7-membered heterocycloalkyl, C₆-C₁₀ aryl, or mono- or bicyclic heteroaryl, wherein each hydrogen atom in C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, C₃-C₆ cycloalkyl, 3- to 7-membered heterocycloalkyl, C₆-C₁₀ aryl, mono- or bicyclic heteroaryl, C₅-C₈ cycloalkyl, or 5- to 8-membered heterocycloalkyl is independently optionally substituted by deuterium, halogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl, -OR^e, -OC(O)R^e, -OC(O)NR^eR^f, -OC(=N)NR^eR^f, -OS(O)R^e, -OS(O)₂R^e, -OS(O)NR^eR^f, -OS(O)₂NR^eR^f, -SR^e, -S(O)R^e, -S(O)₂R^e, -S(O)NR^eR^f, -S(O)₂NR^eR^f, -NR^eR^f, -NR^eC(O)R^f, -NR^eC(O)OR^f, -NR^eC(O)NR^eR^f, -NR^eS(O)R^f, -NR^eS(O)₂R^f, -NR^eS(O)NR^eR^f, -NR^eS(O)₂NR^eR^f, -C(O)R^e, -C(O)OR^e, -C(O)NR^eR^f, -PR^eR^f, -P(O)R^eR^f, -P(O)₂R^eR^f, -P(O)NR^eR^f, -P(O)₂NR^eR^f, -P(O)OR^e, -P(O)₂OR^e, -CN, or -NO₂;

R⁶ is H, deuterium, or C₁-C₆ alkyl, wherein each hydrogen atom in C₁-C₆ alkyl is independently optionally substituted by deuterium, halogen, -OR^e, -SR^e, or -NR^eR^f;

each R^7 is independently hydrogen or deuterium;

each R^a , R^b , R^c , R^d , R^e , and R^f is independently selected from the group consisting of H, deuterium, C_1 - C_6 alkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, C_3 - C_6 cycloalkyl, 3- to 7-membered heterocycloalkyl, C_6 - C_{10} aryl, and 5- to 7-membered heteroaryl; and

n is 0, 1, 2, or 3;

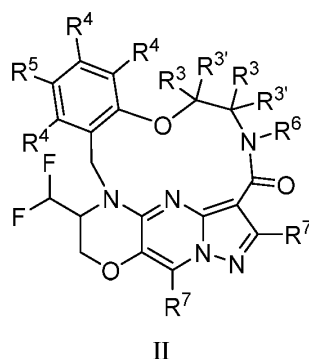
or a pharmaceutically acceptable salt thereof.

2. The compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein n is 0 or 1.

3. The compound of claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein n is 0.

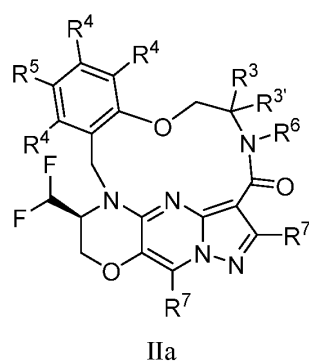
4. The compound of claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein n is 1.

5. The compound of any one of claims 1 to 3, having the formula II



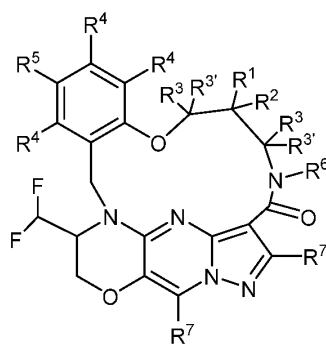
or a pharmaceutically acceptable salt thereof.

6. The compound of any one of claims 1 to 3, or 5, having the formula IIa



or a pharmaceutically acceptable salt thereof.

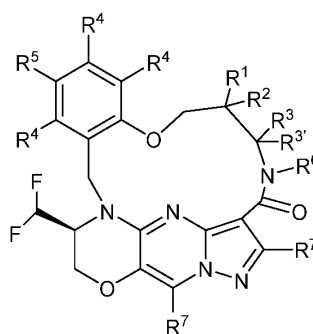
7. The compound of any one of claims 1, 2, or 4, having the formula III



III

or a pharmaceutically acceptable salt thereof.

8. The compound of any one of claims 1, 2, 4, or 7, having the formula IIIa



IIIa

or a pharmaceutically acceptable salt thereof.

9. The compound of any one of the preceding claims, or a pharmaceutically acceptable salt thereof, wherein each R¹ and R², when present, is independently H, deuterium, C₁-C₆ alkyl, or R¹ and R² taken together with the carbon atom to which they are attached combine to form a C₃-C₆ cycloalkyl.

10. The compound of any one of the preceding claims, or a pharmaceutically acceptable salt thereof, wherein each R³ and R^{3'} is independently H, deuterium, C₁-C₆ alkyl, or R³ and R^{3'} taken together with the carbon atom to which they are attached combine to form a C₃-C₆ cycloalkyl.

11. The compound of any one of the preceding claims, or a pharmaceutically acceptable salt thereof, wherein each $R^{3'}$ is H or deuterium.

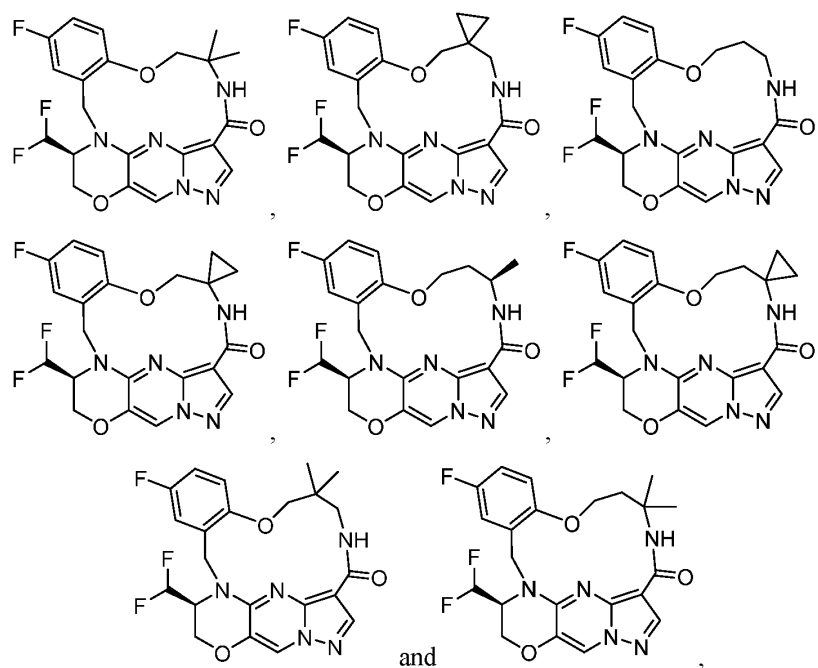
12. The compound of any one of the preceding claims, or a pharmaceutically acceptable salt thereof, wherein each R^4 is H or deuterium.

13. The compound of any one of the preceding claims, or a pharmaceutically acceptable salt thereof, wherein R^5 is fluoro.

14. The compound of any one of the preceding claims, or a pharmaceutically acceptable salt thereof, wherein R^6 is H.

15. The compound of any one of the preceding claims, or a pharmaceutically acceptable salt thereof, wherein each R^7 is H.

16. The compound of claim 1, selected from the group consisting of



or a pharmaceutically acceptable salt thereof.

17. A pharmaceutical composition comprising a compound of any one of the preceding claims, or a pharmaceutically acceptable salt thereof, and optionally at least one diluent, carrier or excipient.

18. A method of treating cancer, comprising administering to a subject in need of such treatment an effective amount of at least one compound of any one of claims 1 to 16, or a pharmaceutically acceptable salt thereof.

19. The method of claim 18, wherein the subject is a human.

20. Use of a compound of any one of claims 1 to 16, or a pharmaceutically acceptable salt thereof, in the preparation of a medicament for the treatment of cancer in a subject.