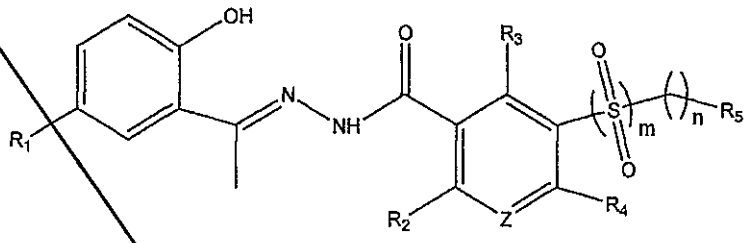
CLAIMS

What is claimed is:

1. A compound having a structure represented by a formula:



(I),

wherein

m is 0 or 1;

n is an integer from 0 to 3;

Z is independently selected from N and CH;

R_1 is selected from halo, C1-C3 haloalkyl, and C1-C3 polyhaloalkyl;

each of R_2, R_3, and R_4 is independently selected from hydrogen, halo, hydroxyl, cyano, amino, C2-C6 alkalkoxy, C1-C6 alkoxy, C1-C6 alkyl, C1-C6 polyhaloalkyl, and C1-C6 haloalkyl;

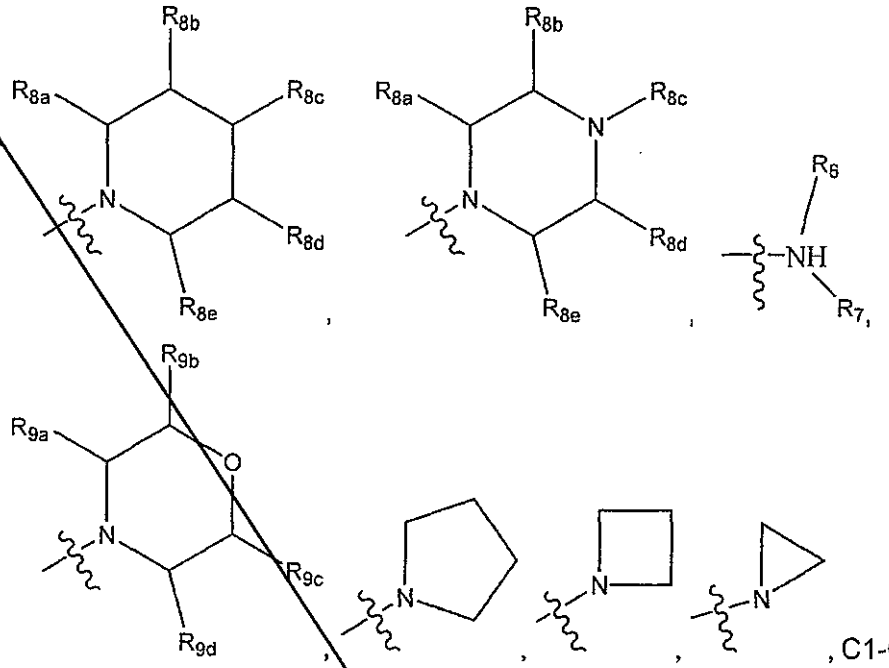
R_5 is selected from NR_6R_7, C1-C6 alkyl, C3-C6 cycloalkyl, and Cy, and substituted with 0-3 groups independently selected from halo, hydroxyl, amino, C2-C6 alkalkoxy, C1-C6 alkylalcohol, C1-C6 alkoxy, C1-C6 alkyl, C1-C6 polyhaloalkyl, C1-C6 haloalkyl, C3-C6 cycloalkyl, and Cy;

Cy is a heterocycloalkyl selected from aziridinyl, azetidinyl, pyrrolidinyl, piperidinyl, azepanyl, oxazolidinyl, imidazolidinyl, pyrazolidinyl, piperazinyl, oxazinanyl, morpholinyl, hexahydrophyrimidinyl, and hexahydropyridazinyl; and

each of R_6 and R_7 is independently selected from hydrogen, C1-C6 alkyl, C3-C6 cycloalkyl, and C3-C6 heterocycloalkyl;

or a pharmaceutically acceptable salt thereof.

2. The compound of claim 1, wherein R^5 is selected from:



cycloalkyl, and Cy,

wherein

each of R_{8a}, R_{8b}, R_{8c}, R_{8d}, and R_{8e} is independently selected from hydrogen, halo, amino, cyano, hydroxyl, C2-C6 alkoxyalkyl, C1-C3 alkoxy, C1-C3 haloalkyl, and C1-C3 polyhaloalkyl, and C1-C6 alkyl, and

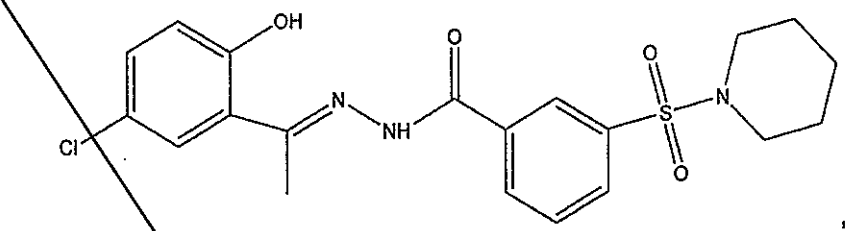
each of R_{9a}, R_{9b}, R_{9c}, and R_{9d} is independently selected from hydrogen, amino, halo, hydroxyl, C1-C3 alkyl, C1-C3 alkoxy, C1-C3 haloalkyl, C1-C3 polyhaloalkyl, aziridinyl, azetidinyl, and pyrollidinyl.

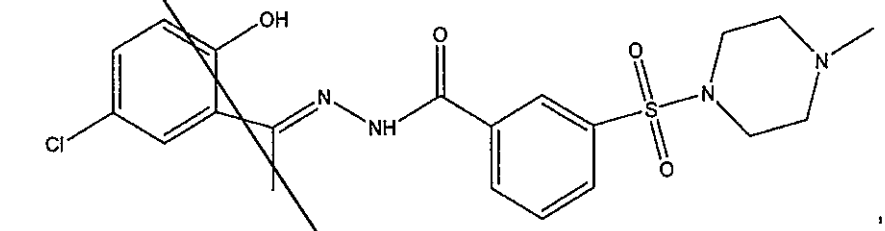
3. A pharmaceutical composition comprising a therapeutically effective amount of a compound of claim 1 and a pharmaceutically acceptable carrier.

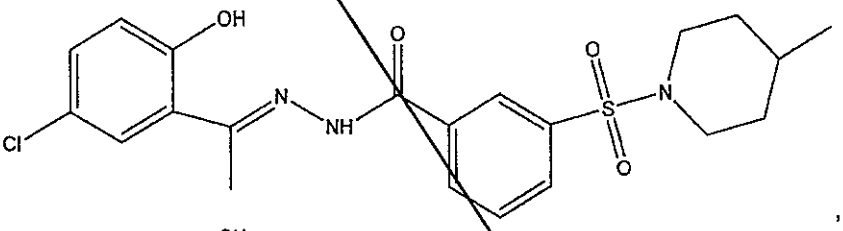
4. A method for the treatment of a disorder of uncontrolled cellular proliferation in a mammal, the method comprising the step of administering to the mammal an effective amount of a compound of claim 1.

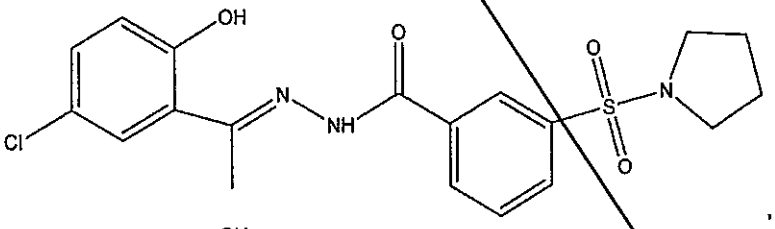
5. A method for decreasing histone demethylase activity in a mammal, the method comprising the step of administering to the mammal an effective amount of a compound of claim 1.

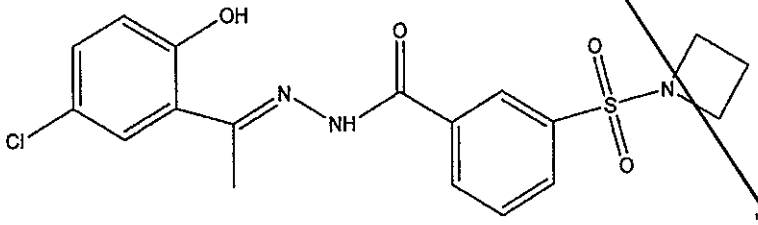
6. A compound selected from the group consisting of:

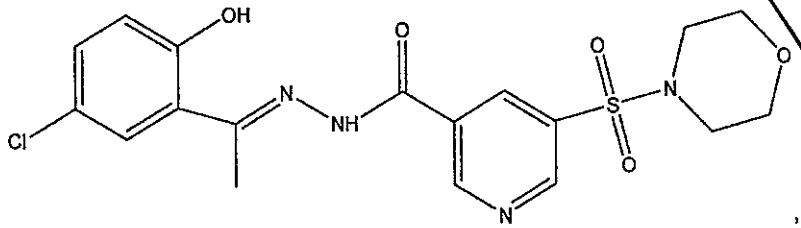


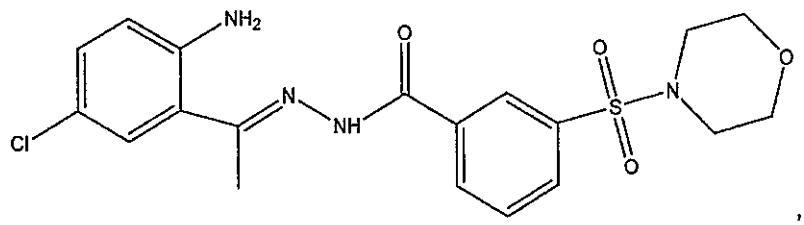


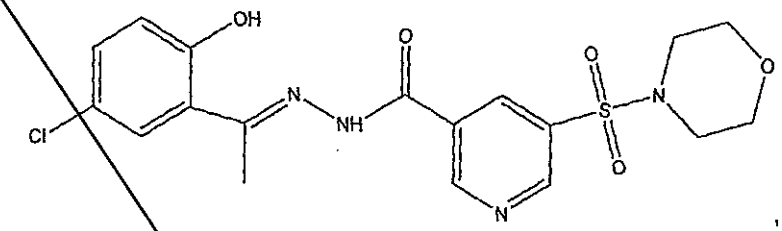


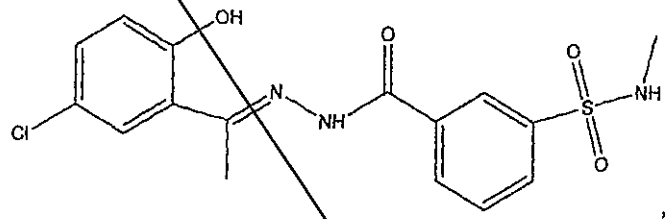


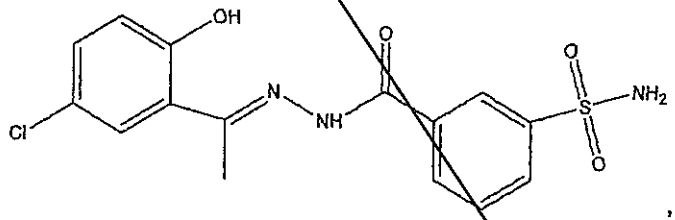


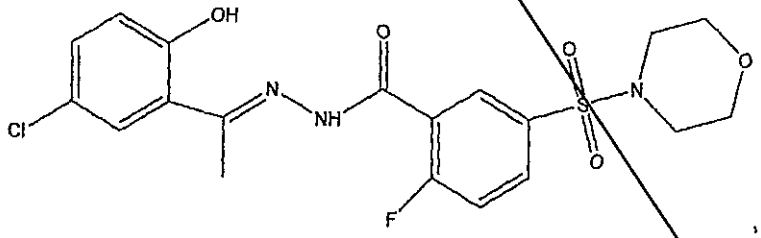


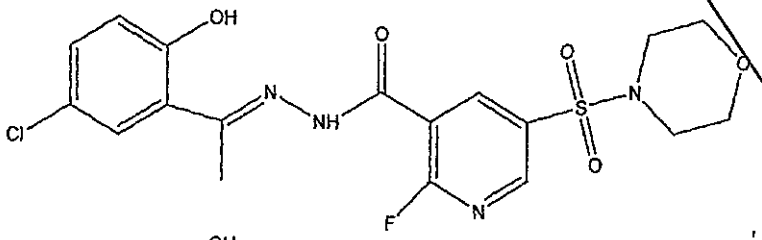


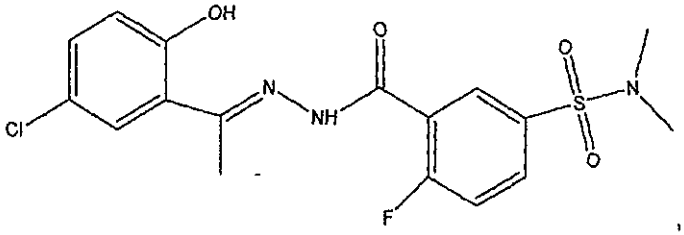


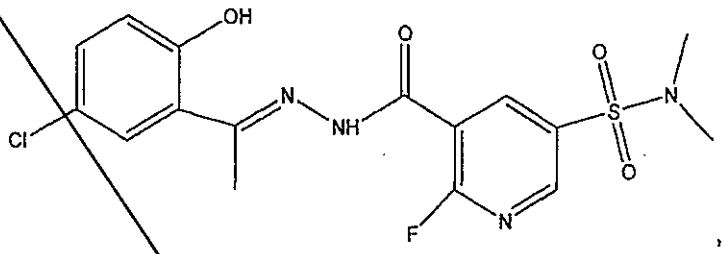




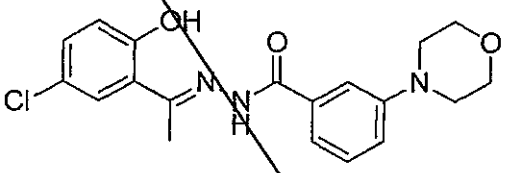








, and

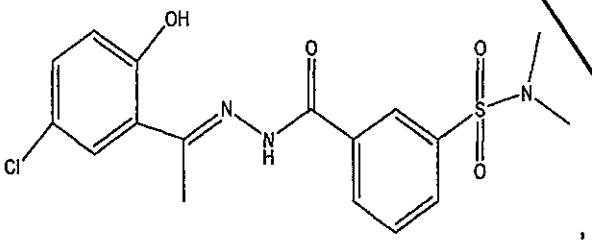


or a pharmaceutically acceptable salt thereof.

7. A pharmaceutical composition comprising a therapeutically effective amount of a compound of claim 6 and a pharmaceutically acceptable carrier.

8. A method for the treatment of a disorder of uncontrolled cellular proliferation in a mammal, the method comprising the step of administering to the mammal an effective amount of a compound of claim 6.

9. A compound having a structure represented by a formula:



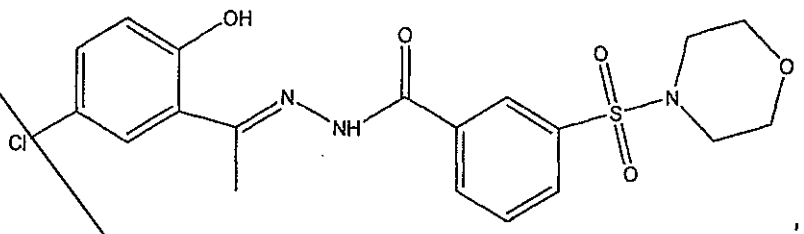
,

or a pharmaceutically acceptable salt thereof.

10. A pharmaceutical composition comprising a therapeutically effective amount of a compound of claim 9 and a pharmaceutically acceptable carrier.

11. A method for the treatment of a disorder of uncontrolled cellular proliferation in a mammal, the method comprising the step of administering to the mammal an effective amount of a compound of claim 9.

12. A compound having a structure represented by a formula:

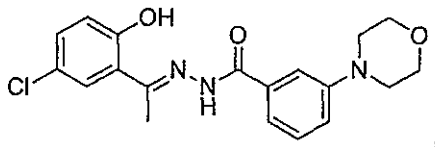


or a pharmaceutically acceptable salt thereof.

13. A pharmaceutical composition comprising a therapeutically effective amount of a compound of claim 12 and a pharmaceutically acceptable carrier.

14. A method for the treatment of a disorder of uncontrolled cellular proliferation in a mammal, the method comprising the step of administering to the mammal an effective amount of a compound of claim 12.

15. A compound having a structure represented by a formula:



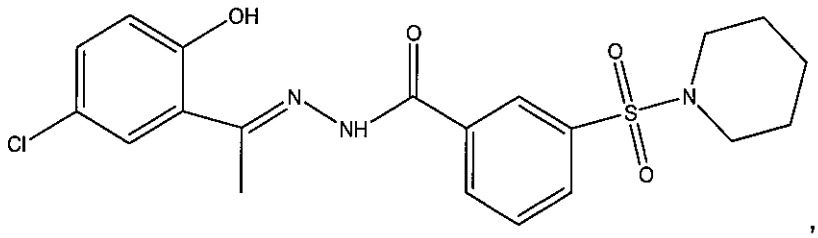
or a pharmaceutically acceptable salt thereof.

16. A pharmaceutical composition comprising a therapeutically effective amount of a compound of claim 15 and a pharmaceutically acceptable carrier.

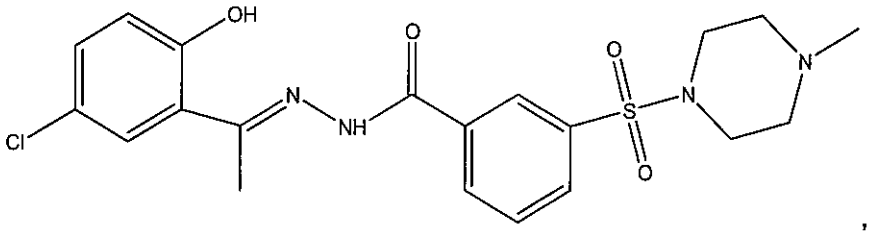
17. A method for the treatment of a disorder of uncontrolled cellular proliferation in a mammal, the method comprising the step of administering to the mammal an effective amount of a compound of claim 15.

Claims

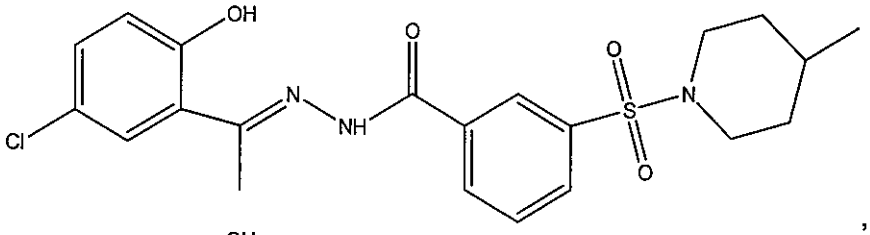
1. A compound selected from the group consisting of:



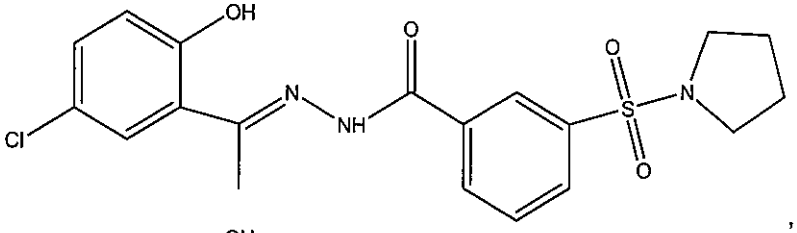
,



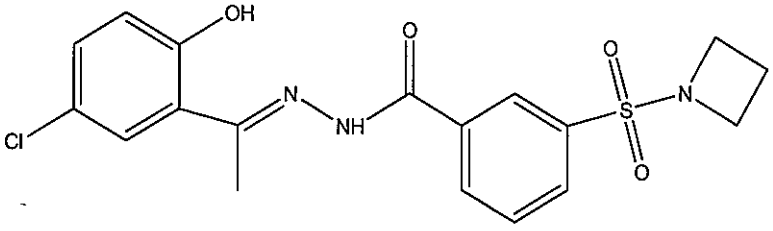
,



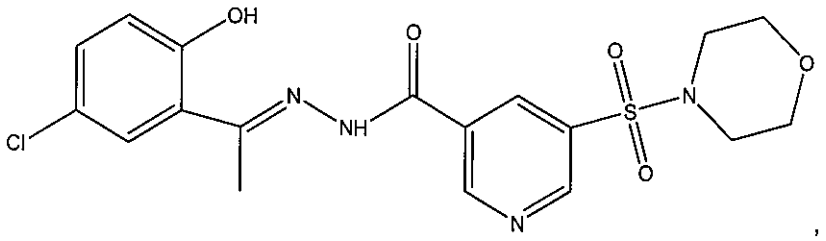
,



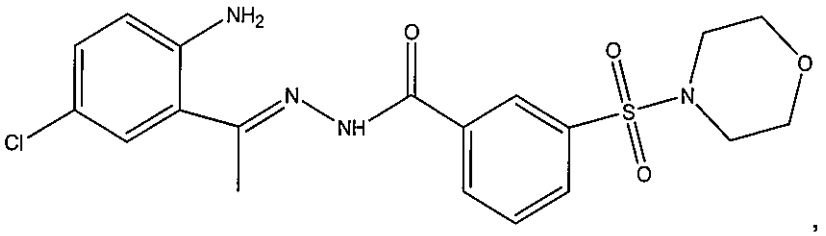
,



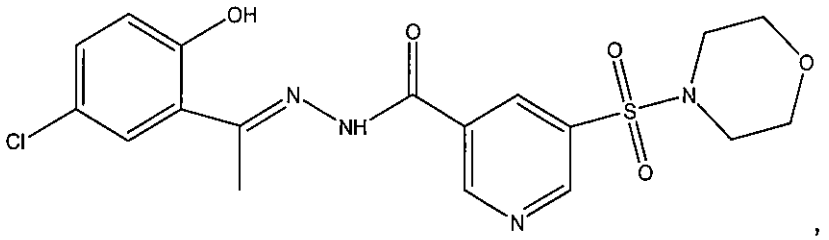
,



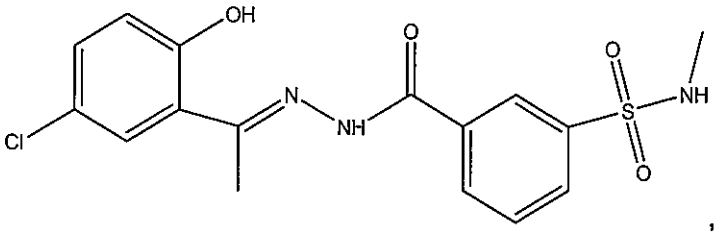
,



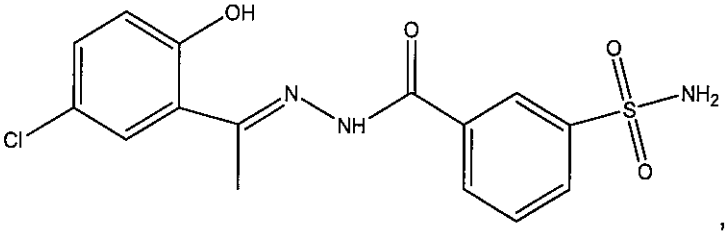
,



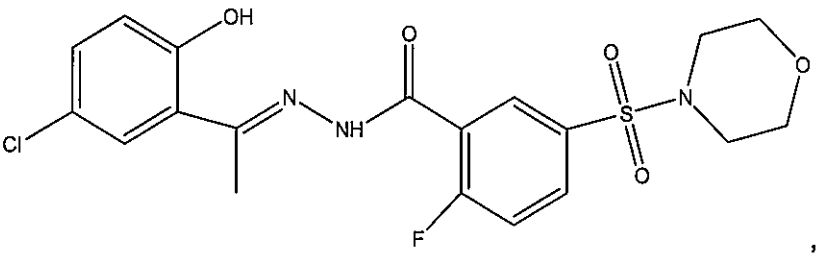
,



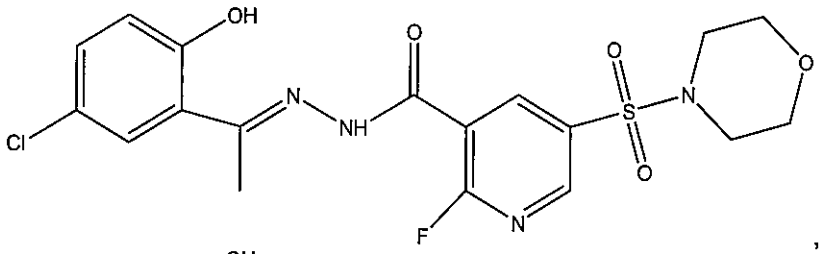
,



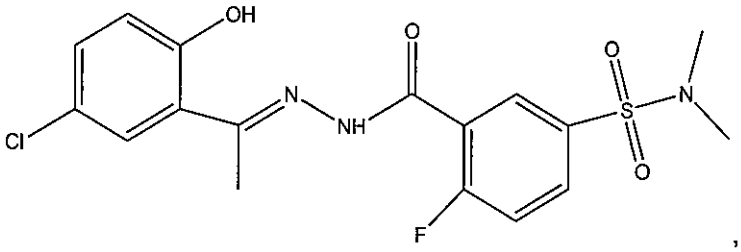
,



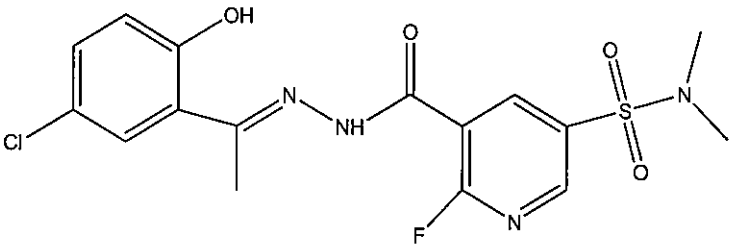
,



,



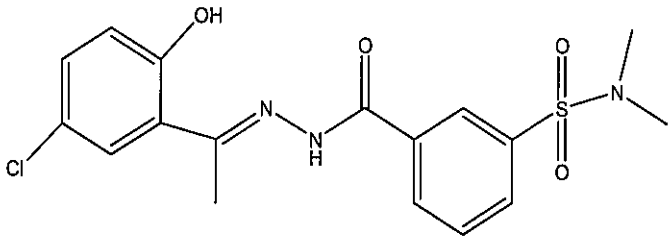
, and



or a pharmaceutically acceptable salt thereof.

2. A pharmaceutical composition comprising a therapeutically effective amount of a compound of claim 1 and a pharmaceutically acceptable carrier.

3. A compound having a structure represented by a formula:

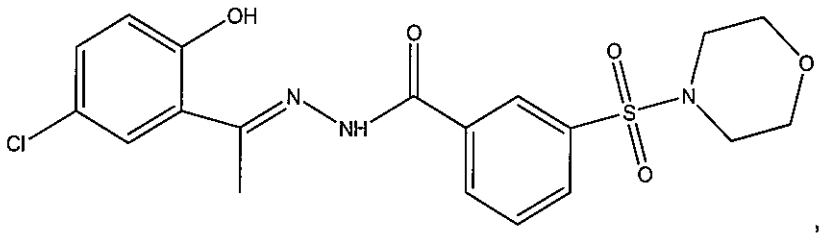


,

or a pharmaceutically acceptable salt thereof.

4. A pharmaceutical composition comprising a therapeutically effective amount of a compound of claim 3 and a pharmaceutically acceptable carrier.

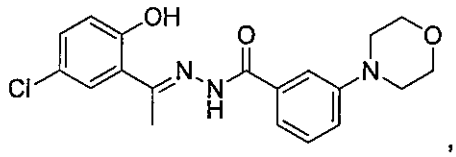
5. A compound having a structure represented by a formula:



or a pharmaceutically acceptable salt thereof.

6. A pharmaceutical composition comprising a therapeutically effective amount of a compound of claim 5 and a pharmaceutically acceptable carrier.

7. A compound having a structure represented by a formula:



or a pharmaceutically acceptable salt thereof.

8. A pharmaceutical composition comprising a therapeutically effective amount of a compound of claim 7 and a pharmaceutically acceptable carrier.