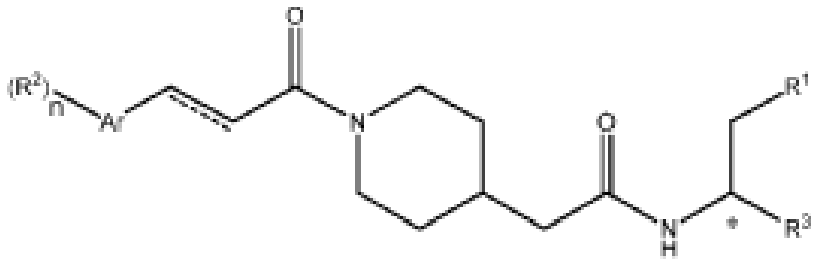
## CLAIMS

What is claimed is:

1. A compound of Formula I,



Formula I

wherein,

the dash line is a bond that is present or absent;

n is 0, 1, or 2;

Ar is phenyl, pyridinyl, pyrimidinyl, or pyrazinyl;

$R^1$ is $C_1$-$C_8$ alkyl, $C_3$-$C_6$ cycloalkyl, or $C_6$ aryl, and of which is optionally substituted with one or more groups chosen from halo, hydroxyl, cyano, $C_1$-$C_6$ alkyl, $C_1$-$C_6$ haloalkyl, $C_1$-$C_6$ alkoxyl, $C_1$-$C_6$ haloalkoxyl, $C_3$-$C_6$ cycloalkyl, $C_3$-$C_6$ heterocycloalkyl, $C_6$ aryl, heteroaryl, $OCH_2$-$C_6$ aryl, or O-$CH_2$-heteroaryl;

$R^2$ is halo, OH, $C_1$-$C_8$ alkyl, $C_1$-$C_8$ alkoxyl, $C_6$ aryl, O-$C_6$ aryl, heteroaryl, O-heteroaryl, O-$CH_2$-$C_6$ aryl, or O-$CH_2$-heteroaryl; and

$R^3$ is $CH_2OH$, $CO_2H$, $CO_2$-$C_1$-$C_6$ alkyl, $CO_2$-$C_1$-$C_6$ heteroalkyl, $CO_2$-$C_3$-$C_6$ cycloalkyl, or $CO_2$-$C_1$-$C_6$ heteroalkyl,

or a pharmaceutically acceptable salt thereof.

2. The compound of claim 1 , wherein the stereochemistry at C* is R.

3. The compound of claim 1, wherein the stereochemistry at C* is S.

4. The compound of claim 1, wherein the dashed line is a bond that is absent.

5. The compound of any one of the previous claims, wherein $R^1$ is $C_1$-$C_8$ alkyl, optionally substituted with one or more groups chosen from halo, hydroxyl, cyano, $C_1$-$C_6$ alkyl, $C_1$-$C_6$ haloalkyl, $C_1$-$C_6$ alkoxyl, $C_1$-$C_6$ haloalkoxyl, $C_3$-$C_6$ cycloalkyl, $C_3$-$C_6$ heterocycloalkyl, $C_6$ aryl, heteroaryl, $OCH_2$-$C_6$ aryl, and O-$CH_2$-heteroaryl.

6. The compound of any one of the previous claims, wherein $R^1$ is $C_3$-$C_6$ cycloalkyl, optionally substituted with one or more groups chosen from halo, hydroxyl, cyano, $C_1$-$C_6$ alkyl, $C_1$-$C_6$ haloalkyl, $C_1$-$C_6$ alkoxyl, $C_1$-$C_6$ haloalkoxyl, $C_3$-$C_6$ cycloalkyl, $C_3$-$C_6$ heterocycloalkyl, $C_6$ aryl, heteroaryl, $OCH_2$-$C_6$ aryl, and O-$CH_2$-heteroaryl.

7. The compound of any one of the previous claims, wherein $R^1$ is phenyl optionally substituted with one or more groups chosen from halo, hydroxyl, cyano, $C_1$-$C_6$ alkyl, $C_1$-$C_6$ haloalkyl, $C_1$-$C_6$ alkoxyl, $C_1$-$C_6$ haloalkoxyl, $C_3$-$C_6$ cycloalkyl, $C_3$-$C_6$ heterocycloalkyl, $C_6$ aryl, heteroaryl, $OCH_2$-$C_6$ aryl, and O-$CH_2$-heteroaryl.

8. The compound of claim 7, wherein the phenyl group is substituted with one or more benzyl groups ($OCH_2$-$C_6$ aryl).

9. The compound of claim 7, wherein the phenyl group is substituted with one or more $C_1$-$C_6$ alkoxyl groups.

10. The compound of claim 7, wherein the phenyl group is substituted with one or more halo groups.

11. The compound of claim 7, wherein the phenyl group is substituted with one or more cyano, $C_1$-$C_6$ haloalkyl, or $C_1$-$C_6$ haloalkoxyl groups.

12. The compound of claim 7, wherein the phenyl group is substituted with one or more pyrazole, pyridinyl, pyrimidinyl, or pyrazinyl groups.

13. The compound of any one of the previous claims, wherein Ar is a phenyl group that is optionally substituted.

14. The compound of claim 13, wherein the phenyl group is substituted with one or two $R^2$ groups chosen from halo, hydroxyl, $C_1$-$C_8$ alkyl, $C_1$-$C_8$ alkoxyl, $C_6$ aryl, O-$C_6$ aryl, heteroaryl, O-heteroaryl, O-$CH_2$-$C_6$ aryl, and O-$CH_2$-heteroaryl.

15. The compound of claim 13, wherein the phenyl group is substituted with one or two halo groups.

16. The compound of claim 13, wherein the phenyl group is substituted with one or two $C_1$-$C_8$ alkoxyl groups.

17. The compound of claim 13, wherein the phenyl group is substituted with one or two heteroaryl groups.

18. The compound of any one of the previous claims, wherein Ar is pyridinyl, pyrimidinyl, or pyrazinyl, optionally substituted with one or two $R^2$ groups chosen from halo, hydroxyl, $C_1$-$C_8$ alkyl, $C_1$-$C_8$ alkoxyl, $C_6$ aryl, O-$C_6$ aryl, heteroaryl, O-heteroaryl, O-$CH_2$-$C_6$ aryl, and O-$CH_2$-heteroaryl.

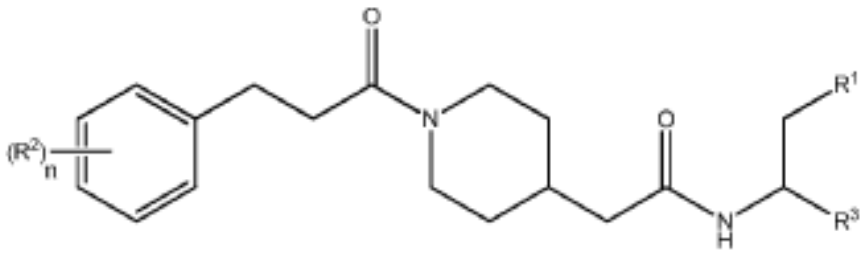
19. The compound of any one of the previous claims, wherein n is 0.

20. The compound of any one of the previous claims, wherein $R^3$ is $CH_2OH$, $CO_2H$, $CO_2$-$C_1$-$C_6$ alkyl, $CO_2$-$C_1$-$C_6$, heteroalkyl, $CO_2$-$C_3$-$C_6$ cycloalkyl, or $CO_2$-$C_1$-$C_6$ heteroalkyl.

21. The compound of any one of the previous claims, wherein $R^3$ is $CO_2Me$ or $CO_2H$.

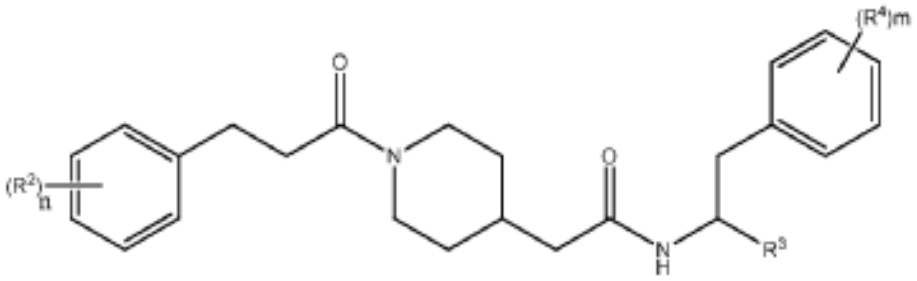
22. The compound of any one of the previous claims, wherein the compound have

Formula I-A:




Formula I-A.

23. The compound of any one of the previous claims, wherein the compounds have Formula I-B



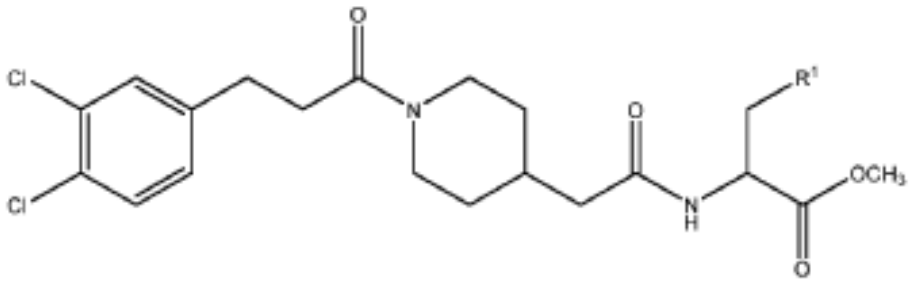
Formula I-B

wherein

m is 0, 1, or 2;

and $R^4$ is halo, OH, cyano, $C_1$-$C_6$ alkyl, $C_1$-$C_6$ haloalkyl, $C_1$-$C_6$ alkoxyl, $C_1$-$C_6$ haloalkoxyl, $C_3$-$C_6$ cycloalkyl, $C_3$-$C_6$ heterocycloalkyl, $C_6$ aryl, heteroaryl, $OCH_2$-$C_6$ aryl, or O-$CH_2$-heteroaryl.

24. The compound of any one of the previous claims, wherein the compounds have Formula I-C



Formula I-C.

25. The compound of claim 1, wherein the compound is chosen from Table 1.

26. A pharmaceutical composition comprising a therapeutically effective amount of a compound of any one of the preceding claims and a pharmaceutical carrier and optional anticancer or anti-inflammatory agent.

27. Use of the compound of any one of claims 1-25 in the manufacture of a medicament for the treatment of cancer in a subject in need thereof, wherein the medicament is to be administered to the subject.

28. The use of claim 27, wherein the cancer is selected from bladder cancer, brain cancer, breast cancer, colorectal cancer, cervical cancer, gastrointestinal cancer, genitourinary cancer, head and neck cancer, ovarian cancer, pancreatic cancer, prostate cancer, renal cancer, skin cancer, and testicular cancer

29. The use of claim 27, wherein the cancer is lung cancer.

30. Use of the compound of any one of claims 1-25 in the manufacture of a medicament for the killing of a tumor cell in a subject, wherein the cell is to be contacted with the medicament.