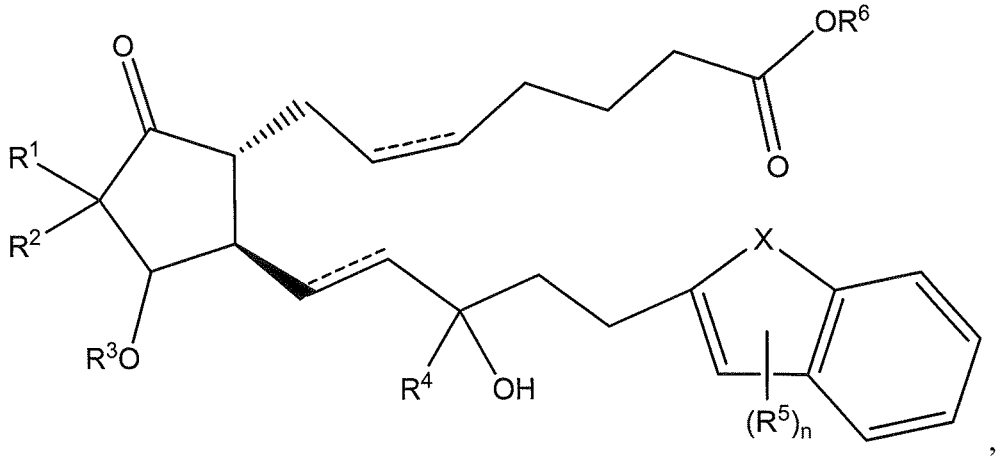
WHAT IS CLAIMED IS:

1. ~~A method of treating a skin blemish comprising administering a composition comprising a therapeutically effective amount~~ Use of a compound having a structure:



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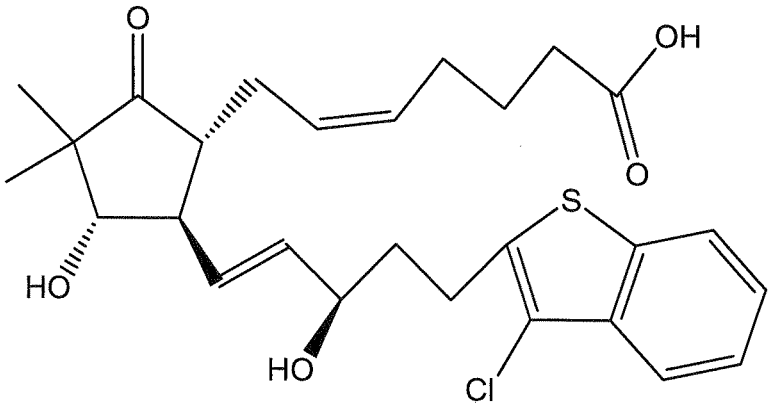
wherein each dashed line represents the presence or absence of a double bond;
R^1, R^2, R^3 and R^4 are each independently selected from H and C_1-C_6 linear alkyl;
R^5 is halogen, C_1-C_6 alkyl, or C_1-C_6 alkenyl; R^6 is H, C_1-C_6 alkyl, C_1-C_6 alkenyl, a salt thereof, or an amine thereof; n is 0-7; and X is S or O, in the manufacture of a medicament for treating a skin blemish, wherein the medicament is to be administered in a therapeutically effective amount.
~~wherein said administration treats said skin blemish.~~

2. The ~~method~~ use of claim 1, wherein R^4 is H, R^3 is H, and X is S.

3. The ~~method~~ use of claim 1, wherein R^1 and R^2 are CH_3.

4. The ~~method~~ use of claim 1, wherein R^5 is Cl.

5. The ~~method~~ use of claim 1, wherein the compound is :



.

6. The ~~method~~ use of claim 1, wherein the skin blemish is a flesh wound, scar, or wrinkle.

7. The ~~method~~ use of claim 1, wherein the ~~composition~~ medicament is to be administered subcutaneous, subdermal or transdermal, intradermally or topically.

8. The ~~method~~ use of claim 6, wherein the administration reduces formation of a scar type selected from the group consisting of hypertrophic scar, recessed scar, stretch mark, and a combination thereof.

9. The ~~method~~ use of claim 6, wherein the skin blemish is a wrinkle.

10. The ~~method~~ use of claim 1, wherein the ~~composition~~ medicament is to be administered to a region selected from the group consisting of a face, neck, arms, torso, back, legs, and a combination thereof.

11. The ~~method~~ use of claim 1, wherein the ~~composition~~ medicament is to be administered at a time selected from the group consisting of prior to surgical incision, during surgery, post-operatively, and a combination thereof.

12. The ~~method~~ use of claim 1, wherein said administration minimizes scar formation.

13. The ~~method~~ use of claim 1, wherein said administration prevents scar formation.

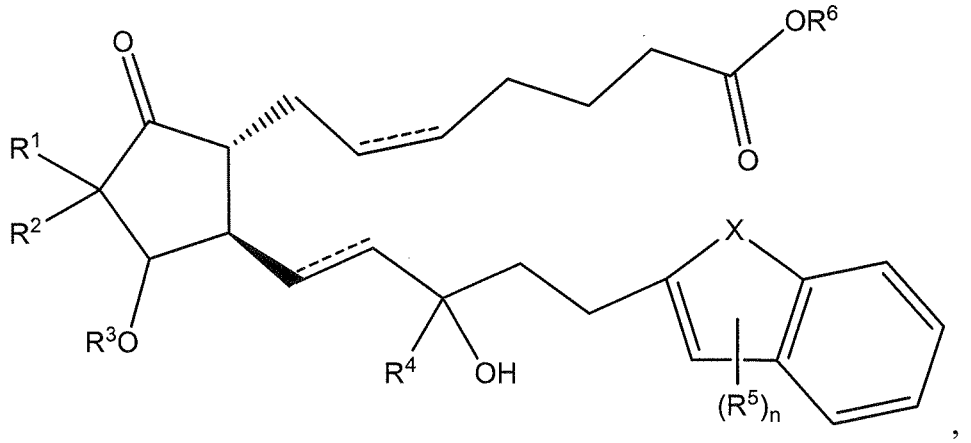
14. The ~~method~~ use of claim 1, wherein said administration prevents wrinkle formation.

15. The ~~method~~ use of claim 1, wherein said administration reduces the appearance of an existing wrinkle.

16. The ~~method~~ use of claim 9, wherein the wrinkle selected from the group consisting of a brow furrow, crow's feet, nasolabial fold, a line under the eye, a crease between the eye brows, and a combination thereof.

17. The ~~method~~ use of claim 6, wherein a cause of said flesh wound is selected from the group consisting of an incision, a laceration, a thermal burn, a chemical burn, an abrasion, a puncture wound, and a combination thereof.

18. ~~A method is provided for treating a flesh wound that comprises administering a composition comprising a therapeutically effective amount~~ Use of a compound having a structure:



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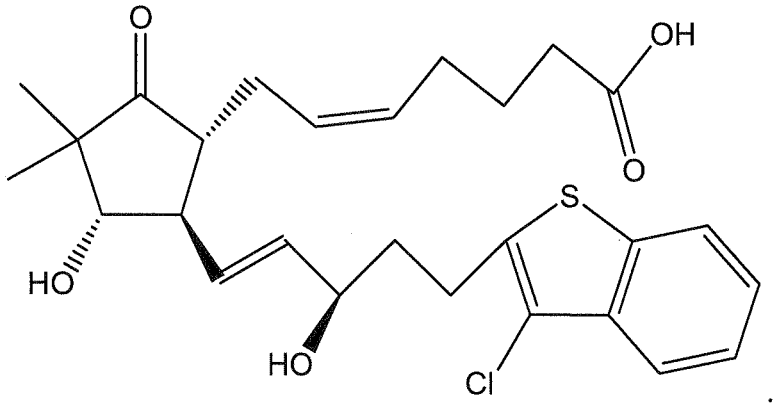
wherein each dashed line represents the presence or absence of a double bond;

R^1, R^2, R^3 and R^4 are each independently selected from H and C_1-C_6 linear alkyl;

R^5 is halogen, C_1-C_6 alkyl, or C_1-C_6 alkenyl; R^6 is H, C_1-C_6 alkyl, C_1-C_6 alkenyl, a salt thereof, or an amine thereof; n is 0-7; and X is S or O, in the manufacture of a medicament for treating a flesh wound, wherein the medicament is to be administered in a therapeutically effective amount, and

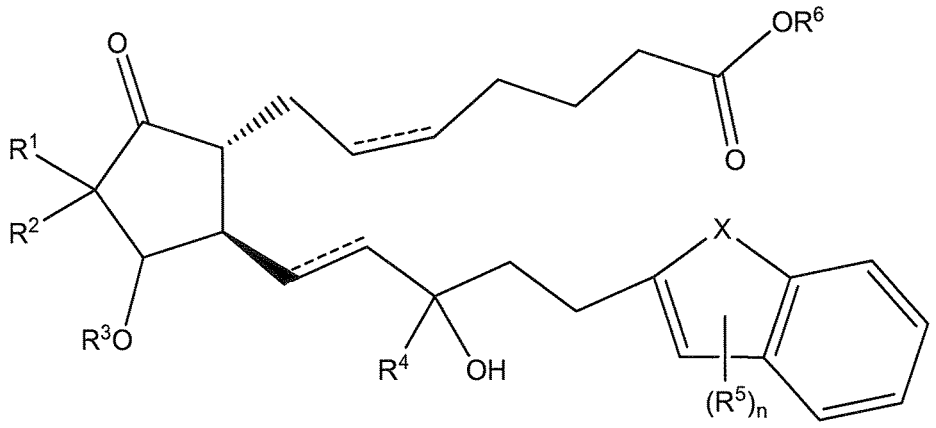
wherein said wound heals more normally than without administration of said composition.

19. The ~~method~~ use of claim 18, wherein the compound is Compound 1:



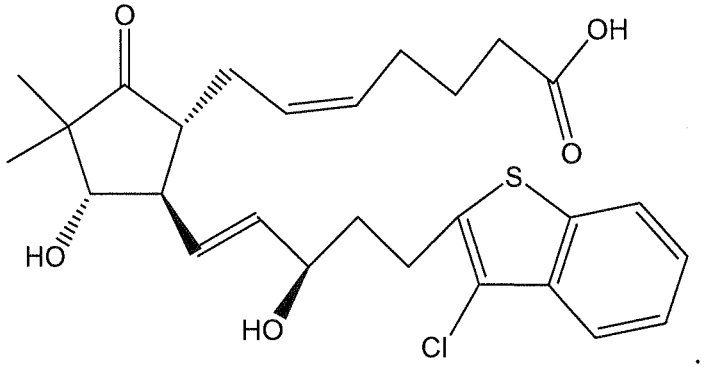
.

20. ~~A method of reducing the appearance of a wrinkle comprising administering to said wrinkle a composition comprising a therapeutically effective amount~~ Use of a compound having a structure:



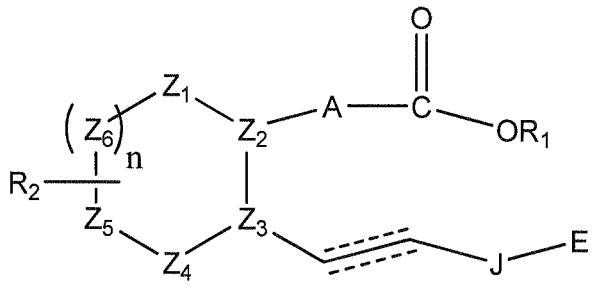
wherein each dashed line represents the presence or absence of a double bond;
R^1, R^2, R^3 and R^4 are each independently selected from H and C_1-C_6 linear alkyl;
R^5 is halogen, C_1-C_6 alkyl, or C_1-C_6 alkenyl; R^6 is H, C_1-C_6 alkyl, C_1-C_6 alkenyl, a salt thereof, or an amine thereof; n is 0-7; and X is S or O, in the manufacture of a medicament for reducing the appearance of a wrinkle,
wherein the appearance of said wrinkle is diminished.

21. The ~~method~~ use of claim 20, wherein the compound is:



22. The ~~method~~ use of claim 20, wherein said ~~composition~~ medicament is to be administered topically.

23. ~~A method of treating a skin blemish comprising administering to a subject in need thereof a composition comprising a therapeutically effective amount~~ Use of at least one EP4 agonist having the structure:



wherein:

each of Z_1 to Z_6 is independently C, N, O, or S;

A is $-(CH_2)_6-$, or *cis* $-CH_2CH=CH-(CH_2)_3-$, wherein 1 or 2 carbons may be substituted with S or O; or

A is $-(CH_2)_m-Ar-(CH_2)_o-$ wherein Ar is arylene or heteroarylene, the sum of m and o is from 1 to 4, and wherein one CH_2 may be substituted with S or O;

R_1 is H, alkyl, cycloalkyl, oxyalkyl, hydroxyalkyl, alkenyl, oxyalkenyl, or hydroxyalkenyl;

R_2 is alkyl, hydroxyl, halide, or oxo;

J is alkylene, cycloalkylene, oxyalkylene, hydroxyalkylene, fluoroalkylene, or difluoroalkylene;

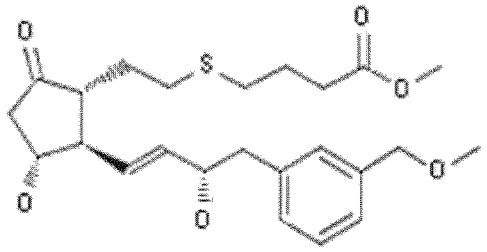
E is C_{1-12} alkyl, R_3, or $-Y-R_3$ wherein Y is CH_2, S, or O, and R_3 is aryl or heteroaryl;

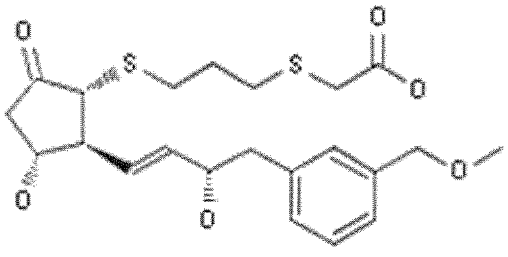
n is 0 or 1;

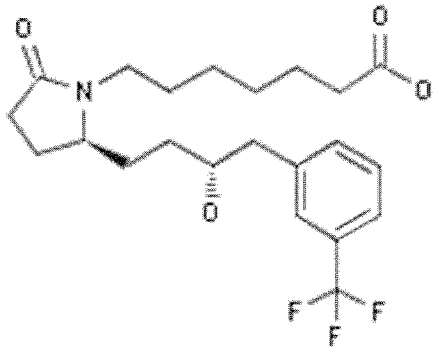
and wherein a dashed line represents the presence or absence of a bond

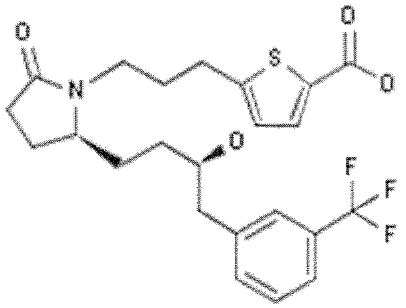
in the manufacture of a medicament for treating a skin blemish.

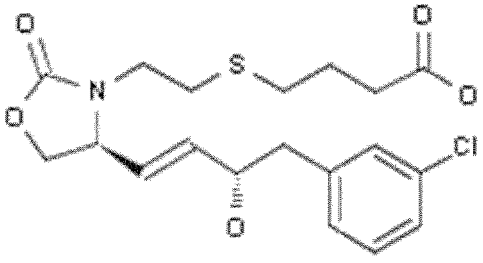
24. ~~A method of treating a skin blemish comprising administering to a subject in need thereof a composition comprising a therapeutically effective amount~~ Use of at least one EP4 agonist having the structure:

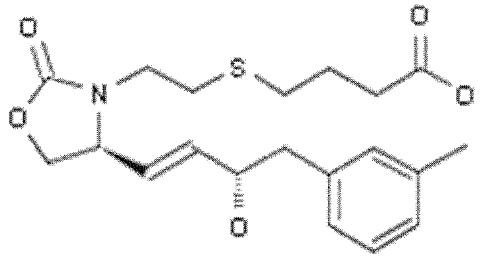


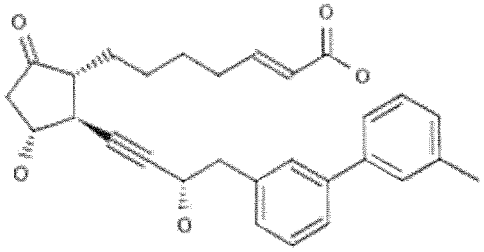


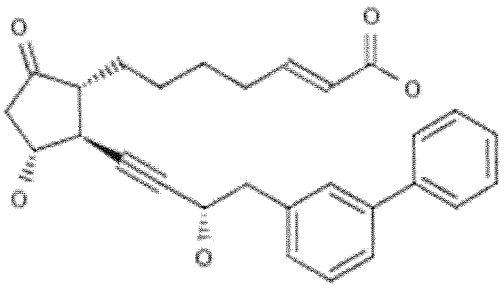






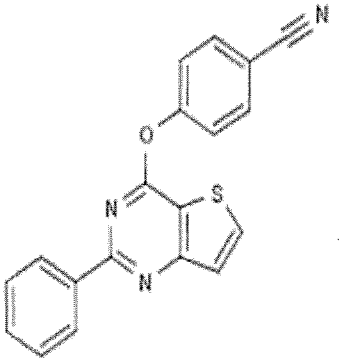


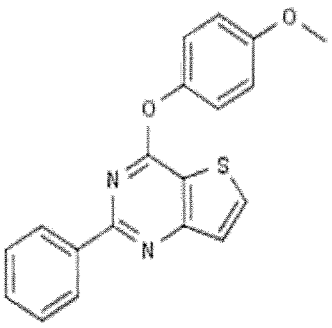


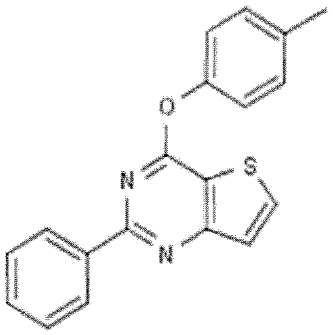


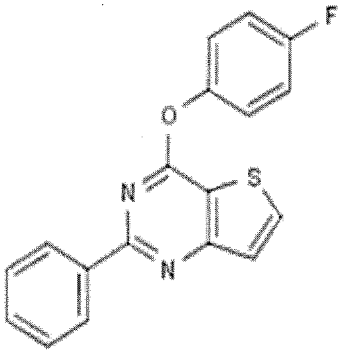
in the manufacture of a medicament for treating a skin blemish.

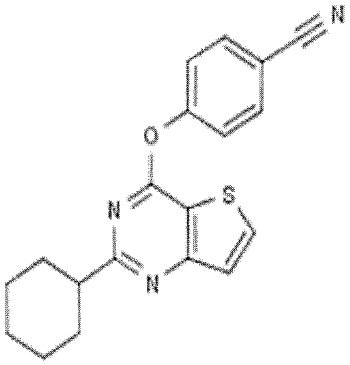
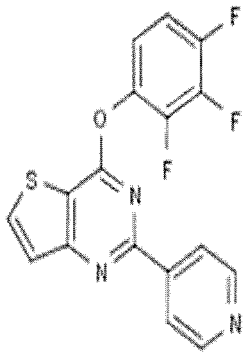
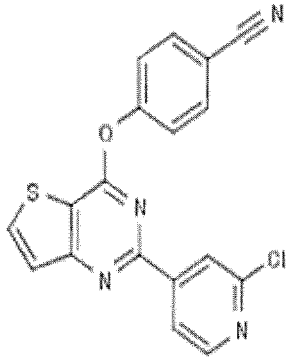
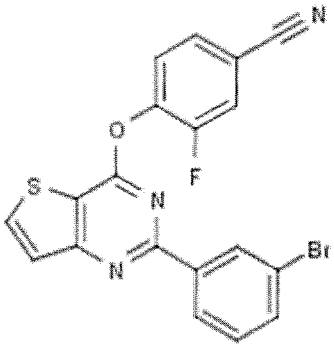
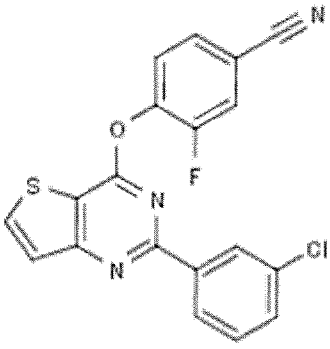
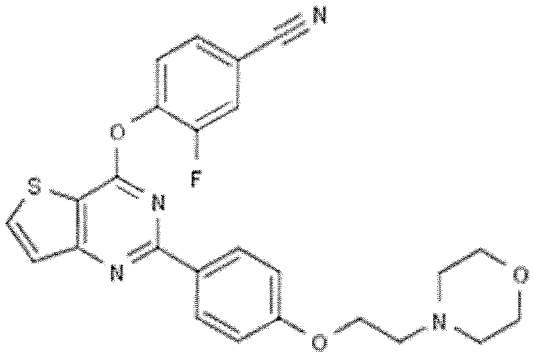
25. ~~A method of treating a skin blemish comprising administering to a subject in need thereof a composition comprising a therapeutically effective amount~~ Use of at least one EP4 agonist having the structure:





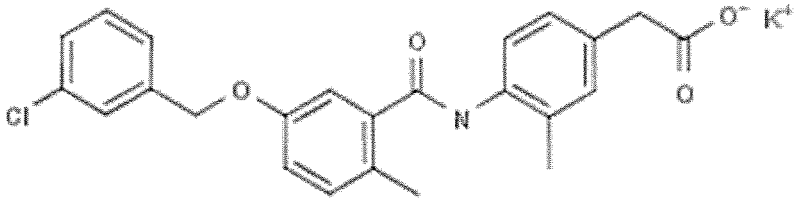


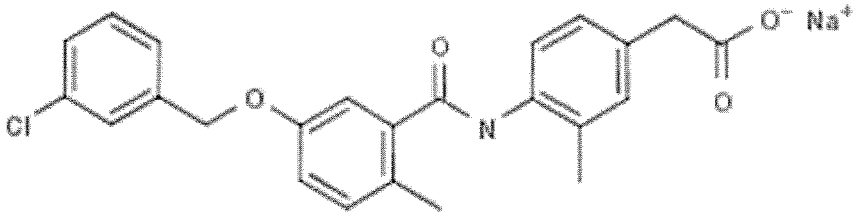


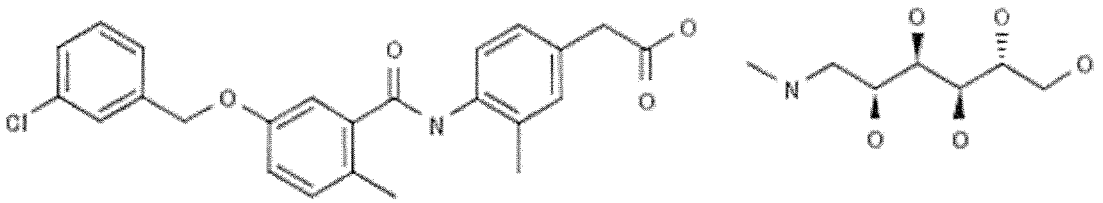







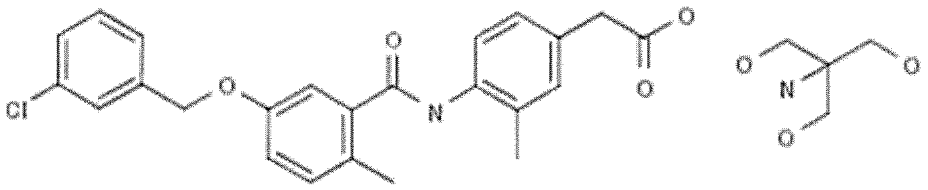
in the manufacture of a medicament for treating a skin blemish.

26. ~~A method of treating a skin blemish comprising administering to a subject in need thereof a composition comprising a therapeutically effective amount~~ Use of at least one EP4 agonist having the structure:









in the manufacture of a medicament for treating a skin blemish.