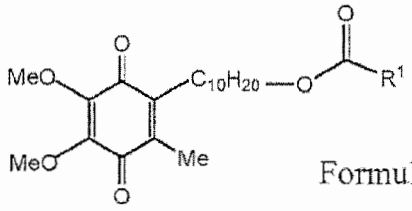
## CLAIMS

We claim:

~~2.~~1. A compound of general Formula I:




Formula I

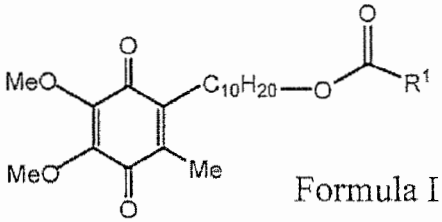
wherein $R^1$ is a $C_{2-22}$ straight or branched sugar acid, and wherein two or more hydroxy groups on the sugar acid are each independently substituted with a $C_{1-22}$ carboxylic acid.

~~3.~~2. The compound of claim 1, wherein one or more carboxylic acid is a fatty acid.

~~4.~~3. The compound of claim 2, wherein one or more fatty acid is a conjugate fatty acid.

~~5.~~4. The compound of claim 1, wherein the compound of general Formula I is idebenone dipalmitoyl glycerate.

~~6.~~5. A method of preparing a compound of general Formula I:




Formula I

wherein $R^1$ is a $C_{2-22}$ straight or branched sugar acid, and wherein two or more hydroxy groups on the sugar acid are each independently substituted with a $C_{1-22}$ carboxylic acid; wherein the method comprises the step of coupling a corresponding di-, tri-, or poly-carboxylic acid functionalized sugar acid to idebenone.

~~7.~~6. The method of claim ~~6~~5, wherein one or more carboxylic acid is a fatty acid.

~~8.~~7. The method of claim ~~7~~6, wherein one or more fatty acid is a conjugate fatty acid.

~~9.~~8. A method of preparing idebenone dipalmitoyl glycerate comprising steps of:

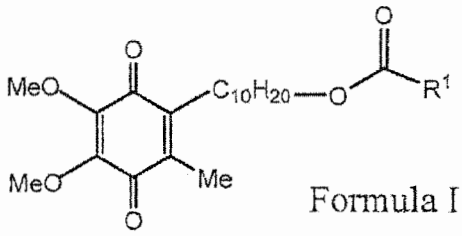
(a) subjecting benzyl acrylate to a dihydroxylation reaction to form benzyl 2,3-dihydroxypropanoate;

(b) reacting the benzyl 2,3-dihydroxypropanoate with palmitoyl chloride to form 3-(benzyloxy)-3-oxopropane- 1 ,2diyl dipalmitate;

(c) reacting the 3-(benzyloxy)-3-oxopropane-l,2diyl dipalmitate with ethyl acetate to form 2,3-bis(palmitoyloxy)propanoic acid; and

(d) reacting the 2,3-bis(palmitoyloxy)propanoic acid with idebenone to form idebenone dipalmitoyl glycerate.

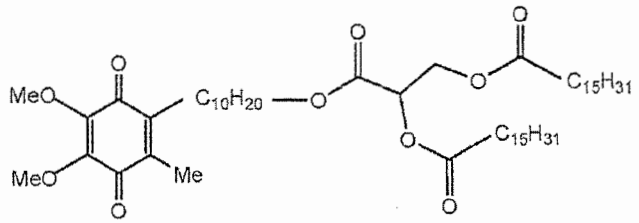
~~10.~~9. A composition comprising a compound of general Formula I:




Formula I

wherein $R^1$ is a $C_{2-22}$ straight or branched sugar acid, and wherein two or more hydroxy groups on the sugar acid are each independently substituted with a $C_{1-22}$ carboxylic acid; and at least one additive.

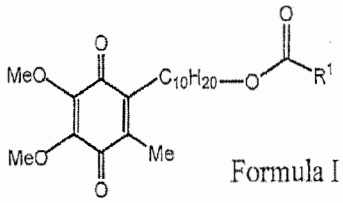
~~11.~~10. The composition of claim ~~10~~9, wherein the compound of general Formula I is :




~~12.~~11. The composition of claim ~~10~~9, wherein the composition is provided in a form selected from creams, lotions, solutions, sera, anhydrous preparations, emulsions, microemulsions, multiple emulsions, gels, solid sticks, ointments, and aerosols.

~~13.~~12. The composition of claim ~~10~~9, wherein the at least one additive is selected from surfactants, cosmetic auxiliaries, pigments, UVA filters, UVB filters, propellants, thickening agents, emulsifiers, solvents, water, antioxidants, perfumes, dyestuffs, deodorants, antimicrobial materials, back-fatting agents, complexing and sequestering agents, pearlescent agents, plant extracts, vitamins, and combinations thereof.

~~14.~~13. A method of treating a skin change, comprising topically administering a composition comprising a therapeutically effective amount of a compound of general Formula I:



Formula I

wherein $R^1$ is a $C_{2-22}$ straight or branched sugar acid, and wherein two or more hydroxy groups on the sugar acid are each independently substituted with a $C_{1-22}$ carboxylic acid, to a subject in need thereof.

~~15.~~14. The method of claim ~~14~~13, wherein the compound of Formula I is idebenone dipalmitoyl glycerate.

~~16.~~15. The method of claim ~~14~~13, wherein the therapeutically effective amount is 0.0001 wt% to 30 wt%, based on the total weight of the composition.

~~17.~~16. The method of claim ~~14~~13, wherein the skin change is skin aging.

~~18.~~17. The method of claim ~~14~~13, wherein the skin change is hyperpigmentation.

~~19.~~18. The method of claim ~~14~~13, wherein the skin change is caused by UV damage.

~~20.~~19. The method of claim ~~14~~13, wherein the skin change comprises erythematous symptoms.

~~21.~~20. The method of claim ~~14~~13, wherin the skin change is cellulitis.