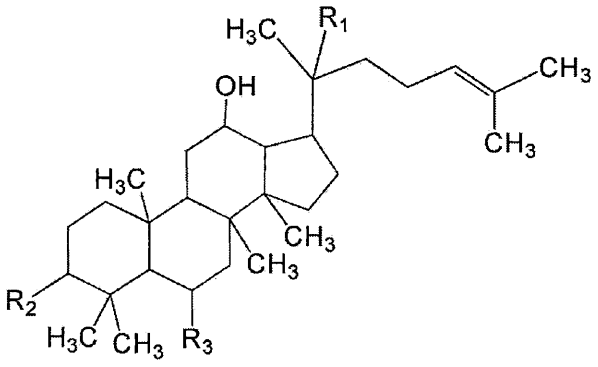
【CLAIMS】

【Claim 1】

A ginsenoside fatty acid ester compound represented by the following Formula 1:

[Formula 1]



wherein R_1 is OH or saturated or unsaturated fatty acid group of C12 to C22,

R_2 is saturated fatty acid group of C13 to C22 and

R_3 is H or OH.

【Claim 2】

The ginsenoside fatty acid ester compound of claim 1, wherein R_1 is OH, a lauryl group, a tridecyl group, a myristyl group, a pentadecyl group, a palmityl group, a margaryl group, a stearyl group, a nonadecyl group, an arachidyl group, a heneicosyl group, a behenyl group, a palmitoleyl group, an oleyl group, a myristoleyl group, a linoleyl group or an arachidonyl group,

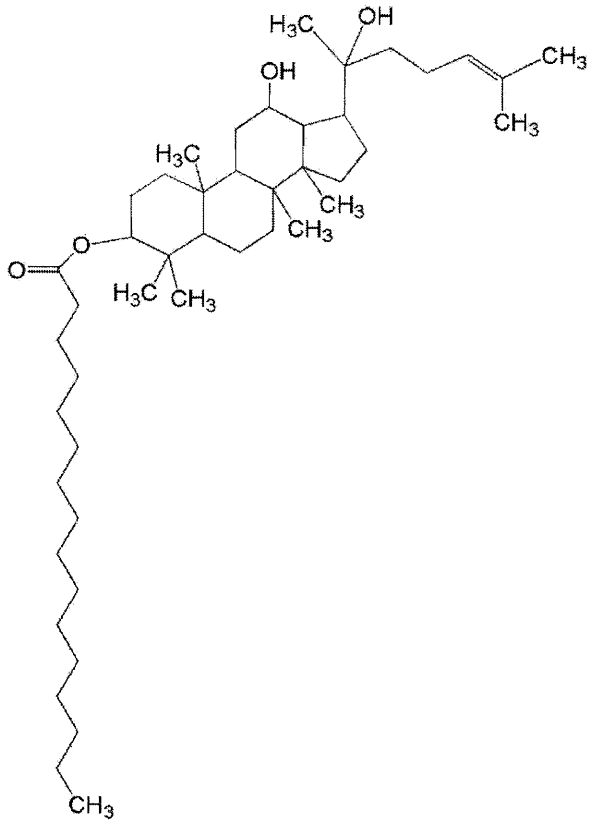
R_2 is a tridecyl group, a myristyl group, a pentadecyl group, a palmityl group, a margaryl group, a stearyl group, a nonadecyl group, an arachidyl group, a heneicosyl group or a behenyl group, and

R_3 is H or OH.

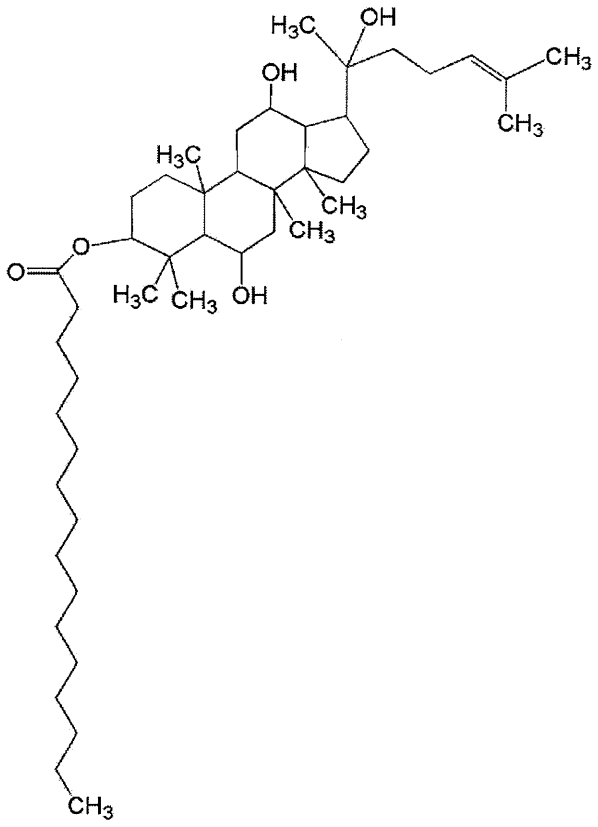
【Claim 3】

The ginsenoside fatty acid ester compound of claim 1 or 2, wherein the ginsenoside fatty acid ester compound is one of the compounds represented by the following Formulas 2 to 5:

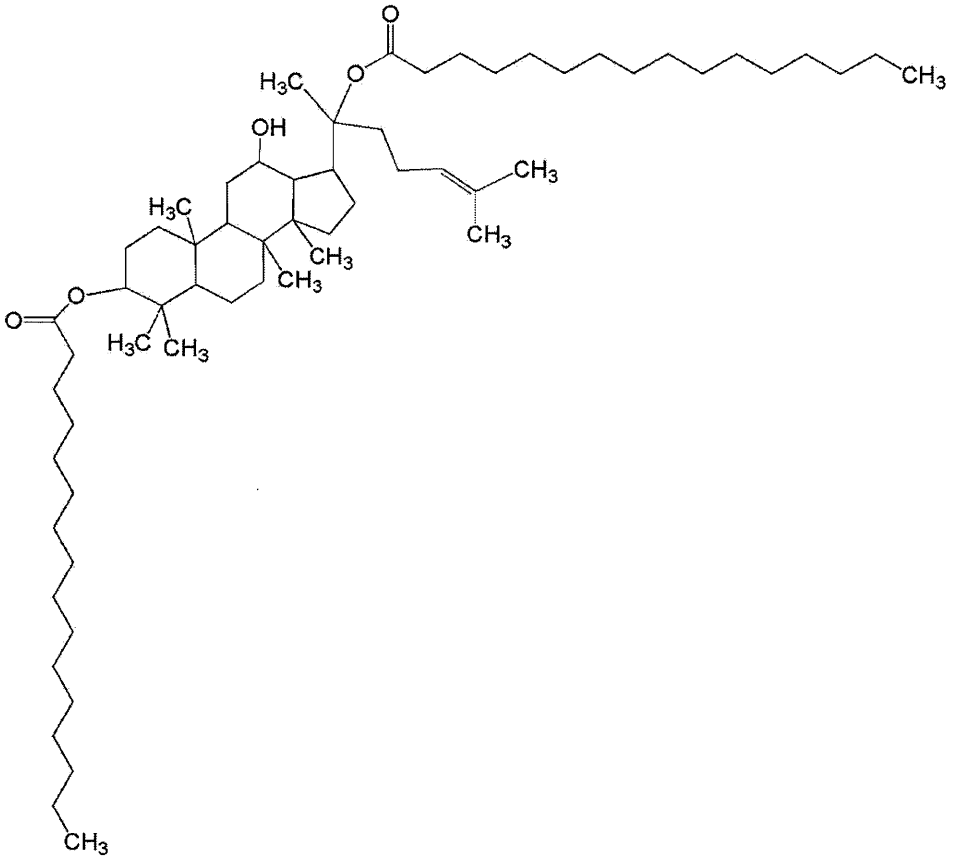
[Formula 2]



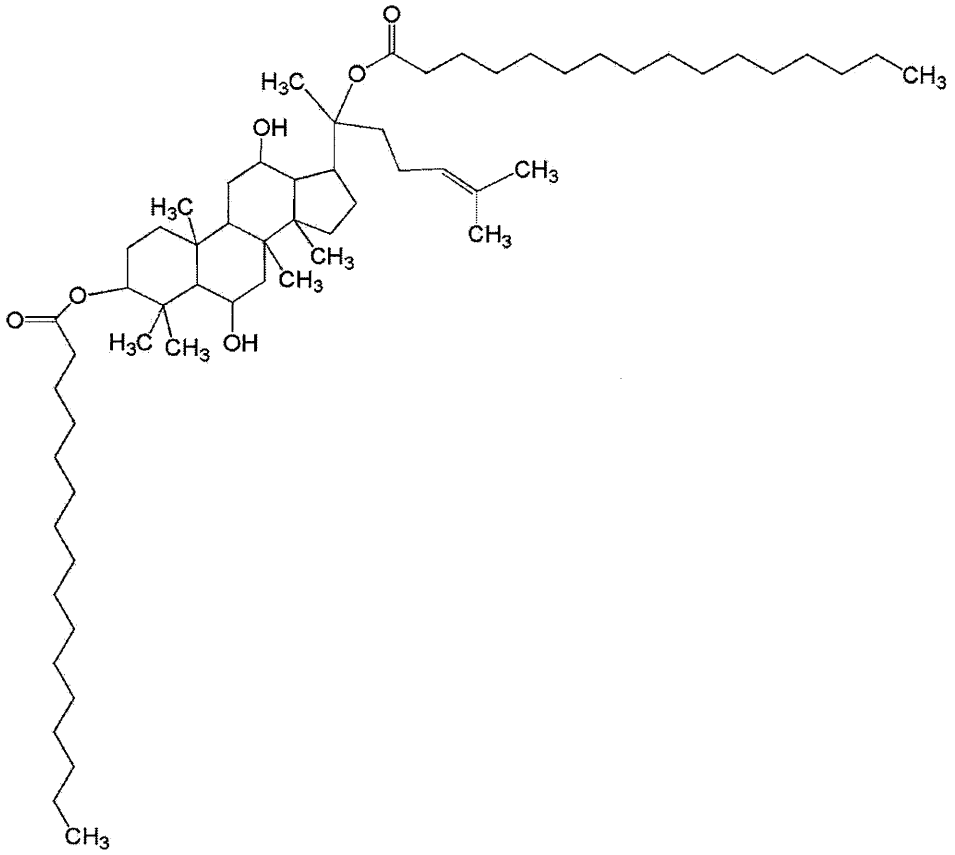
[Formula 3]



[Formula 4]



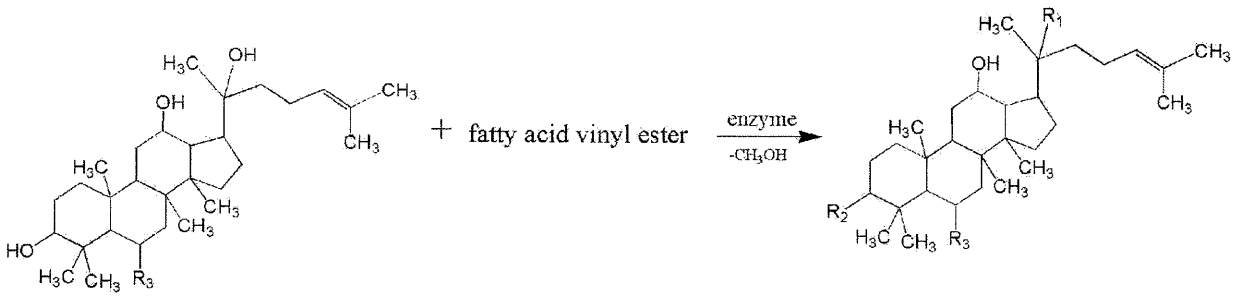
[Formula 5]



【Claim 4】

A method for preparing a ginsenoside fatty acid ester compound of Formula 1, which comprises reacting a compound of Formula 6 and a saturated or unsaturated fatty acid vinyl ester compound of C12 to C22 by an enzyme conversion reaction as represented by the following Reaction Scheme 1:

[Reaction Scheme 1]



6 1

wherein R_1 is OH or a saturated or unsaturated fatty acid group of C12 to C22,

R_2 is a saturated fatty acid group of C13 to C22 and

R_3 is H or OH.

【Claim 5】

The method for preparing the ginsenoside fatty acid ester compound of claim 4, wherein R_1 is OH, a lauryl group, a tridecyl group, a myristyl group, a pentadecyl group, a palmityl group, a margaryl group, a stearyl group, a nonadecyl group, an arachidyl group, a heneicosyl group, a behenyl group, a palmitoleyl group, an oleyl group, a myristoleyl group, a linoleyl group or an arachidonyl group,

R_2 is a tridecyl group, a myristyl group, a pentadecyl group, a palmityl group, a margaryl group, a stearyl group, a nonadecyl group, an arachidyl group, a heneicosyl group or a behenyl group, and

R_3 is H or OH.

【Claim 6】

The method for preparing the ginsenoside fatty acid ester compound of claim 4, wherein the enzyme conversion reaction is carried out by using at least one enzyme selected from the group consisting *of flavourzyme, protease A, alcalase, savinase, protamex, esperase, novozyme, esterase* and *acylase*.

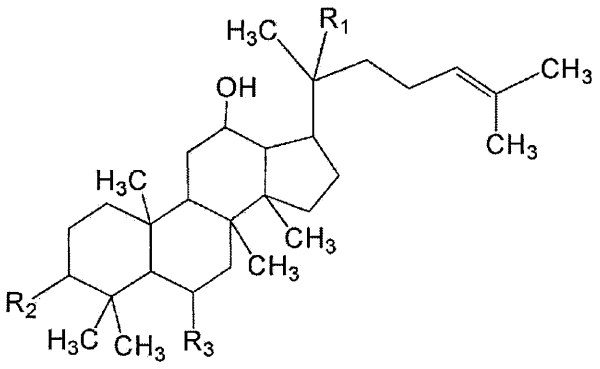
【Claim 7】

A cosmetic composition comprising the ginsenoside fatty acid ester compound according to any one of claims 1 to 3 as an active ingredient.

[Claim 8]

Use of a ginsenoside fatty acid ester compound represented by the following Formula 1:

[Formula 1]



wherein R_1 is OH or saturated or unsaturated fatty acid group of C12 to C22,

R_2 is saturated fatty acid group of C13 to C22 and

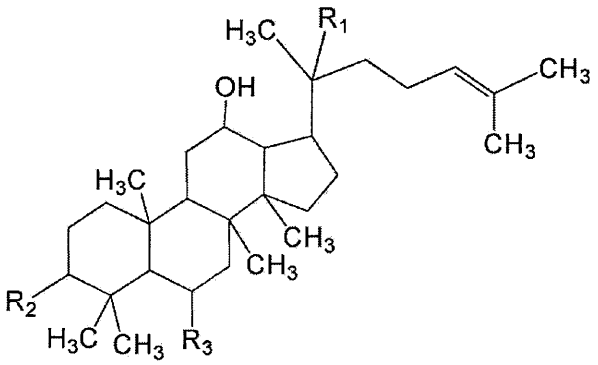
R_3 is H or OH

in a cosmetic composition.

[Claim 9]

A cosmetic method of skin whitening and wrinkle reduction, the method comprising administering a cosmetic composition comprising a ginsenoside fatty acid ester compound as an active ingredient to a subject, wherein the ginsenoside fatty acid ester compound is represented by the following Formula 1:

[Formula 1]



wherein R_1 is OH or saturated or unsaturated fatty acid group of C12 to C22,

R_2 is saturated fatty acid group of C13 to C22 and

R_3 is H or OH.