

【CLAIMS】

【Claim 1】

A cosmetic composition for improving skin damage by microdust comprising galangin, an isomer thereof, a pharmaceutically acceptable salt thereof, a prodrug thereof, a hydrate thereof or a solvate thereof as an effective ingredient.

【Claim 2】

A health food composition for improving skin damage by microdust comprising galangin, an isomer thereof, a pharmaceutically acceptable salt thereof, a prodrug thereof, a hydrate thereof or a solvate thereof as an effective ingredient.

【Claim 3】

The composition according to claim 1 or 2, wherein the composition comprises 0.000001-30 wt% of galangin, an isomer thereof, a pharmaceutically acceptable salt thereof, a prodrug thereof, a hydrate thereof or a solvate thereof based on the total weight of the composition.

【Claim 4】

The composition according to claim 1 or 2, wherein the concentration of the galangin, the isomer thereof, the pharmaceutically acceptable salt thereof, the prodrug thereof, the hydrate thereof or the solvate thereof is 0.1-5 μ M based on the total volume of the composition.

【Claim 5】

The composition according to claim 1 or 2, wherein the composition promotes the expression of one or more selected from a group consisting of CXCL14 (NM_004887) gene, SOD3 (NM_003102) gene, KRT1 (NM_006121) gene, H19 (NR_002196) gene, CASP14 (NM_012114) gene, KRT10 (NM_000421) gene, CASP8 (NM_001080125) gene, KRT15 (NM_002275) gene, KRT13 (NM_002274) gene and filaggrin gene.

【Claim 6】

The composition according to claim 1 or 2, wherein the composition decreases the expression of one or more selected from a group consisting of S100A7 (NM_002963) gene, S100A8 (NM_002964) gene, S100A9 (NM_002965) gene, CYP1A1 (NM_000499) gene, CYP1B1 (NM_000104) gene, PI3 (NM_002638) gene, IL36G (NM_019618) gene, IL1B (NM_000576) gene, CCL27 (NM_006664) gene, IL8 (NM_000584) gene, PTGS2 (NM_000963) gene, NOX5 (NM_001184779) gene and XDH (NM_000379) gene.

【Claim 7】

The composition according to claim 1 or 2, wherein the composition promotes the synthesis of filaggrin protein or keratin protein.