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Patent Search

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Abstract:

Dendrite elongation inhibitor for melanocyte and their cosmetic compositions for lightening the colour of the skin wherein the active ingredient comprises a dihydrochacc derivative of Formula 1 or preferably dihydrochalcone derivative of Formula 2 in an effective amount along with cosmetically acceptable vehicles with or without skin bene agents. The active ingredient may be selectively isolated from the plant parts of Artocarpus altilis Park.

Complete Specification

FIELD OF THE INVENTION

The present invention relates to skin care agents and cosmetic skin lightening compositions and, in particular, selective dihydrochalcone derivatives as skin care/ lighteni agents and cosmetic and/ or dermatopharmaceutical compositions containing the same. The invention is directed to cosmetic compositions comprising dihydrochalcone derivatives in effective amounts in the said compositions alongwith cosmetically and/ or dermatopharmaceutically accepted vehicles with or without other skin benefit agents. The invention is specifically further directed in providing dendrite elongation inhibitory compositions involving the said dihydrochalcone derivatives.

BACKGROUND AND PRIOR ART

An increase in skin pigmentation over the basal constitutive level is referred to as facultative pigmentation. A major stimulus of facultative pigmentation in humans is UV radiation. UV radiation induced skin pigmentation or tanning as it is commonly known, involves several processes like increased proliferation, enhanced tyrosinase expression, increased dendricity and increased transfer of melanin to ease the transfer of the melanin keratinocytes.

Skin lightening is an important contributor to skin care attribute of cosmetic preparation/ compositions, especially among darker skinned people including Asian population. Such a need includes a lightening of basal skin tone. Also it is desired by persons having spots, freckles or lesions which are hyperpigmented and thus need t be diminished. In some other situations, subjects may desire to reduce their natural skin colour or the skin darkening caused by exposure to intense sun rays. The degre pigmentation of the skin is thus a principal cause of concern for many people.

The complexion of the skin is determined by the pigment melanin. Melanocytes are the pigment producing cells that provide photo protection to the skin by synthesizing and distributing the pigment melanin to keratinocytes. These melanocytes are located in the basal layer of keratinocytes. Melanocytes and keratinocytes are resident