

Title (en)

SPHINGOSINE KINASE ACTIVATOR AND SKIN DISEASE TREATING AGENT COMPRISING THE SAME

Title (de)

SPHINGOSINKINASE-AKTIVATOR UND BEHANDLUNGSMITTEL FÜR HAUTKRANKHEITEN DAMIT

Title (fr)

ACTIVATEUR DE LA SPHINGOSINE KINASE ET AGENT DE TRAITEMENT DE MALADIES CUTANÉES COMPRENANT CELUI-CI

Publication

**EP 1807067 A4 20100818 (EN)**

Application

**EP 05817632 A 20051027**

Priority

- KR 2005003586 W 20051027
- KR 20040088553 A 20041103
- KR 20050096591 A 20051013

Abstract (en)

[origin: WO2006049404A1] Disclosed is a non-natural ceramide compound effective for a sphingosine kinase activator, and thus useful for a skin disease treating agent. The sphingosine kinase activator enhances production of sphingosine-1-phosphate to show various physiological activities provided by sphingosine-1-phosphate. The physiological activities include the effects of: controlling multiplication and differentiation of keratinocytes, multiplication of fibroblasts and collagen synthesis, resulting in treatment of wounds, recovery of damaged skin functions in atopic dermatitis and psoriasis; inhibiting wrinkles and skin irritation caused by ultraviolet rays, followed by improvement of wrinkles and inhibition of skin aging; and reducing skin atrophy, which is a typical side effect of local application steroids. Therefore, the sphingosine kinase activator is useful for a skin disease treating agent for treating skin wounds, wrinkles, atopic dermatitis, eczema, psoriasis, or skin atrophy caused by side effects of local application steroids.

IPC 8 full level

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CPC (source: EP)

**A61K 8/68** (2013.01); **A61Q 19/08** (2013.01); **C07C 235/08** (2013.01); **C07C 235/74** (2013.01)

Citation (search report)

- [A] CASTIEL-HIGOUNENC I ET AL: "AUGMENTATION DU CONTENU EN CERAMIDES DES EPIDERMES HUMAINS RECONSTRUITS APRES TRAITEMENT AVEC UN SPHINGOLIPIDE EXOGENE A BASE SPHINGANINE//EXOGENOUS SPHINGANIN DERIVED SPHINGOLIPID INCREASES EPIDERMAL CERAMIDE CONTENT IN HUMAN RECONSTRUCTED SKIN", NOUVELLES DERMATOLOGIQUES, STRASBOURG, FR, vol. 18, no. 8, 1 January 1999 (1999-01-01), pages 541 - 546, XP008022965, ISSN: 0752-5370
- See references of WO 2006049404A1

Designated contracting state (EPC)

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