

Title (en)

ACTIVE SUBSTANCE FRACTIONS FOR FORMULATIONS FOR THE THERAPY AND PROPHYLAXIS OF INFLAMMATORY DISEASES

Title (de)

WIRKSTOFFFRAKTIONEN FÜR FORMULIERUNGEN ZUR THERAPIE UND PRÄVENTION VON ENTZÜNDLICHEN ERKRANKUNGEN

Title (fr)

FRACTIONS DE PRINCIPE ACTIF DESTINÉES À DES FORMULATIONS POUR LE TRAITEMENT ET LA PRÉVENTION DE MALADIES INFLAMMATOIRES

Publication

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Application

EP 07722137 A 20070330

Priority

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Abstract (en)

[origin: DE102006015574A1] Active substance fraction from Rheum species, to treat and prevent e.g. inflammatory diseases, where the preparation of active substance fraction comprises: extracting dried and ground root samples with methanol; separating lipophilic material from the formed aqueous phase; agitating the purified aqueous phase with ethylacetate; column chromatographically separating the resulting aqueous phase and the combined ethylacetate phase to a limited number of active substance fractions; and condensing the active substance fraction with same content spectrum. Active substance fraction from Rheum species for treating and preventing inflammatory or autoimmune disorder and/or diseases associated with keratinocyte proliferation disturbances, where the preparation of active substance fraction comprises: extracting dried and ground root samples with methanol; separating lipophilic material from the formed aqueous phase under complete removal of methanol; agitating the purified aqueous phase with ethylacetate; separately processing the resulting aqueous phase and the combined ethylacetate phase; column chromatographically separating the resulting aqueous phase and the combined ethylacetate phase to a limited number of active substance fractions; and condensing the active substance fraction with same content spectrum. ACTIVITY : Antiinflammatory; Immunosuppressive; Antiarthritic; Antirheumatic; Gastrointestinal-Gen; Antiulcer; Antipsoriatic; Dermatological; Antimicrobial; Vulnerary. MECHANISM OF ACTION : Interleukin (IL)-1beta and/or IL-2-mRNA-expression inducer; Transforming growth factor (TGF)-beta 1 inducer; IL-1beta or IL-2 suppressor. The ability of the active substance fraction to modulate IL-2-mRNA expression of human phytohaemagglutinin stimulated mononuclear cell. The result showed that the active substance fraction significantly induced the IL-2-mRNA-expression.

IPC 8 full level

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CPC (source: EP)

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