

Title (en)  
USE OF CYCLIC 2,4-DIPHOSPHOGLYCERATES (CDGP) AND/OR DERIVATIVES THEREOF IN COSMETIC AND DERMATOLOGICAL FORMULATIONS

Title (de)  
VERWENDUNG VON CYCLISCHEM 2,4 DIPHOSPHOGLYCERAT (cDGP) UND/ODER DERIVATEN IN KOSMETISCHEN UND DERMATOLOGISCHEN FORMULIERUNGEN

Title (fr)  
UTILISATION DE 2,4-DIPHOSPHOGLYCERATE CYCLIQUE (CDGP) ET/OU DE DERIVES DANS DES FORMULATIONS COSMETIQUES ET DERMATOLOGIQUES

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Application  
**EP 01976086 A 20010816**

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Abstract (en)  
[origin: WO215866A2] The invention relates to the inclusion of the low molecular weight substance (compatible solute), cyclic 2,4-diphosphoglycerate (cDGP), from extremophilic micro-organisms and/or derivatives of said compound, for example, an acid, a salt, or an ester, in cosmetic or dermatological formulations for protection of the skin from environmental influences and to increase the regeneration capacity. According to the invention, cyclic 2,4-diphosphoglycerate is implicated in active cell protection of the endogenous cell radical traps, antioxidants, the DNA, cell membranes and further cell compartments, by means of a protective effect of the above, against damaging environmental effects, for example, UV radiation, IR radiation, and environmental stress (thermal, chemical and physical). The compatible solute may serve as co-solvent and penetration improver for other active ingredients added to the cosmetic formulation, in order to not only stabilise the above in the cosmetic formulation, but also for active transport into deeper skin layers.

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IPC 8 full level  
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