

Patented Technology

Topical compositions for preserving or restoring the integrity of the mucosae

EP 2646036

US 9050351 B2

Field of the Invention

Topical compositions intended for application on mucosal tissues, comprising hyaluronic acid and **choline alfoscerate** (glycerylphosphorylcholine).

The invention concerns the use of choline alfoscerate as a **mucoadhesion-enhancing agent**, capable of **improving** the **persistence** and functional **performance** of hyaluronic-acid-based topical formulations.

Background

Choline alfoscerate is phospholipid and an essential nutrient involved in the structure and function of all living cells.

Choline alfoscerate shows excellent topical tolerability, with a low incidence of: skin or eye irritation and skin sensitisation. It is highly soluble in water and ethanol, and characterised by high chemical and microbiological stability; it also presents special organoleptic properties, being practically flavourless, odourless and colourless.

Technical Finding

Choline alfoscerate has been proved to increase the mucoadhesion of hyaluronic acid, and this special property is particularly useful in formulations intended for mucosal application.

The incorporation of choline alfoscerate in topical formulations containing hyaluronic acid, has been proved to **improve cellular trophism** (cell nutrition) maintain the physiological pH of the oral mucosa, an essential condition for maintaining and restoring the integrity of the mucosal tissue.

Experimental Evidence

The clinical results confirm that the topical use of choline alfoscerate, especially when combined with hyaluronic acid, is useful to **increase the mucoadhesion of Hyaluronic Acid based formulations**.

International Patent Protection

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