New International Patents
EP 2646036 obtained
US 9050351B2 obtained

TITLE: Topical compositions for preserving or restoring the integrity of mucosae

Choline alfoscerate (glyceryl phosphoryl choline) is a phospholipid which is a precursor in choline biosynthesis. Choline is an essential nutrient which is crucial to the structure and function of all living cells.

Choline alfoscerate is practically devoid of systemic toxicity and cell toxicity; it possesses considerable topical tolerability, with a low incidence of skin irritation, eye irritation and skin sensitisation.

Choline alfoscerate is an ampholyte which is highly soluble in water and ethanol, and characterised by high chemical and microbiological stability; it also possesses special organoleptic properties in that it is practically flavourless, odourless and colourless.

Choline alfoscerate has proved to increase the mucoadhesion of hyaluronic acid, and this surprising property is also particularly useful in compositions intended for use on the mucosa (such as those claimed in the Ricerfarma patent).

Choline alfoscerate is also useful to maintain the correct pH of the oral mucosa, a pre-requisite for the integrity of the mucosa.

In conclusion, it is correct to state that the topical use of choline alfoscerate, especially when combined with hyaluronic acid (as claimed in the Ricerfarma patent), is useful to improve cell trophism (cell nutrition) and to maintain and restore the integrity of the mucosal tissue.