

<シンポジウム>

ビタミンEの外甲剤への応用

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Vitamin E in Topical Preparations

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Abstract

In this paper, the actions of Vitamin E and its derivatives in topical preparations are reviewed.

Each homologue of Vitamin E is different in antioxidative effect, consequently each has its own optimum concentration in therapeutic preparations and cosmetics.

Vitamin E is one of the most effective antioxidants in topical preparations. It protects against lipid-oxidation which is reported to have some toxic action to the skin.

It is also recognized that Vitamin E applied topically, has local pharmacological actions such as enhancing capillary blood flow, skin temperature and hair growing rate, and also protecting against or restoring the skin damages from lipidperoxidation and UV irradiation.

For the purpose of local pharmacological actions in cosmetic preparations, Vitamin E esters are preferable to Vitamin E free because of greater safety to the skin.