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Adapalene

National Cancer Institute

Source

National Cancer Institute. *Adapalene*. NCI Thesaurus. Code C28989.

A topical retinoid-like compound, chemically similar to vitamin A. Although the exact mechanism of action is unknown, adapalene binds to specific retinoic acid receptors in the nucleus, leading to specific gene expression. This agent stimulates skin growth through modulation of cellular differentiation, inflammatory processes and keratinization of follicular epithelial cells. Adapalene may increase dermal sensitivity to ultraviolet radiation. (NCI04)