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# Topical Celecoxib

National Cancer Institute

## Source

National Cancer Institute. *Topical Celecoxib*. NCI Thesaurus. Code C148519.

A topical cream formulation containing celecoxib, a nonsteroidal anti-inflammatory drug (NSAID), with anti-inflammatory and potential keratolytic, chemopreventive and antineoplastic activities. Upon topical application to the affected area, celecoxib selectively binds to and inhibits cyclooxygenase-2 activity (COX-2), which may result in localized keratinocyte apoptosis. The breakdown of keratinocytes prevents their proliferation locally and may reduce tumor cell proliferation.