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# Sn-1,2-Didecanoylglycerol

National Cancer Institute

## Source

National Cancer Institute. *sn-1,2-Didecanoylglycerol*. NCI Thesaurus. Code C29869.

A synthetic lipid second messenger. As an analog of the second messenger diacylglycerol, sn-1,2-didecanoylglycerol substitutes for diacylglycerol in the cascade of calcium and phospholipid dependent PKC activation. Topical application of this agent results in a striking inflammatory response characterized by edema, extensive epidermal infiltration of neutrophils and macrophages, intraepidermal microabscesses. sn-1,2-Didecanoylglycerol is used as a tumor promoter in experimental animal models of skin cancer due to its stimulation of epidermal protein kinase C activity. (NCI04)