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Polidocanol

National Cancer Institute

Source

National Cancer Institute. *Polidocanol*. NCI Thesaurus. Code C158511.

An alkyl polyglycol ether of lauryl alcohol with sclerosing and potential antineoplastic activities. Upon intralesional administration, polidocanol induces endothelial cell injury by disrupting calcium signaling and nitric oxide pathways. Following endothelial damage, platelets aggregate at the site of injury and attach to the venous wall, resulting in a dense network of platelets, cellular debris, and fibrin that occludes the vessel. Inducing endothelial cell damage within melanoma metastases may incite an antitumor response in untreated bystander lesions and inhibit the growth of in transit metastases and other cutaneous lesions.