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# Opaganib

National Cancer Institute

## Source

National Cancer Institute. *Opaganib*. NCI Thesaurus. Code C98278.

An orally available, aryladamantane compound and selective inhibitor of sphingosine kinase-2 (SK2) with potential antineoplastic activity. Upon administration, opaganib competitively binds to and inhibits SK2, thereby preventing the phosphorylation of the pro-apoptotic amino alcohol sphingosine to sphingosine 1-phosphate (S1P), the lipid mediator that is pro-survival and critical for immunomodulation. This may eventually lead to the induction of apoptosis and may result in an inhibition of cell proliferation in cancer cells overexpressing SK2. SK2 and its isoenzyme SK1 are overexpressed in numerous cancer cell types.