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PKC-beta Inhibitor MS-553

National Cancer Institute

Source

National Cancer Institute. *PKC-beta Inhibitor MS-553*. NCI Thesaurus. Code C148422.

An orally available inhibitor of the beta-isoform of protein kinase C (PKC), with potential immunosuppressive and antineoplastic activities. Upon oral administration, PKC-beta inhibitor MS-553 selectively binds to and inhibits PKC-beta, which prevents the activation of PKC-beta-mediated signaling pathways. This may lead to the induction of cell cycle arrest and apoptosis in susceptible tumor cells. PKC-beta, a serine/threonine protein kinase overexpressed in certain types of cancer cells, is involved in tumor cell differentiation, proliferation, invasion and survival.