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Mopidamol

National Cancer Institute

Source

National Cancer Institute. *Mopidamol*. NCI Thesaurus. Code C668.

A derivative of dipyridamole that is a phosphodiesterase inhibitor, with potential antiplatelet activity. Mopidamol inhibits the hydrolysis of cyclic nucleotides, such as cyclic adenosine monophosphate (cAMP) and cyclic guanosine monophosphate (cGMP), by cyclic nucleotide phosphodiesterases; thus, cAMP- and cGMP-dependent processes are potentiated. This leads to the induction of prostacyclin synthesis, the inhibition of thromboxane B2 synthesis and prevention of platelet activation and aggregation.