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Dihydroergotamine Mesylate

National Cancer Institute

Source

National Cancer Institute. *Dihydroergotamine Mesylate*. NCI Thesaurus. Code C47491.

An ergot derivative with agonistic activity for alpha-adrenergic, serotonergic, and dopaminergic receptors. Dihydroergotamine mesylate most likely relieves migraine headaches by binding to and stimulating the 5-HT_{1D} receptor subtype, thereby causing constriction of cerebral blood vessels. However, it has also been proposed that dihydroergotamine mesylate acts upon 5-HT_{1D} receptors on sensory nerve endings of the trigeminal system, thereby decreasing the release of pro-inflammatory neuropeptide release.