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Pramocaine

National Cancer Institute

Source

National Cancer Institute. *Pramocaine*. NCI Thesaurus. Code C61903.

A morpholine derivative with local anesthetic property. Pramocaine decreases the permeability of the neuronal membrane to sodium ions by reversibly binding to and inhibiting voltage-gated sodium channels. This results in stabilization of the membrane and, thereby inhibiting the ionic fluxes required for membrane depolarization, hence resulting in the failure to initiate a propagated action potential and subsequent conduction blockade.