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Pramocaine Hydrochloride

National Cancer Institute

Source

National Cancer Institute. *Pramocaine Hydrochloride*. NCI Thesaurus. Code C47682.

The hydrochloride salt form of pramoxine, a morpholine derivative with local anesthetic property. Pramocaine hydrochloride 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.