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Prilocaine Hydrochloride

National Cancer Institute

Source

National Cancer Institute. *Prilocaine Hydrochloride*. NCI Thesaurus. Code C48012.

The hydrochloride salt form of prilocaine, an intermediate-acting local anesthetic of the amide type chemically related to lidocaine. Prilocaine hydrochloride binds to voltage-gated sodium ion channels in the neuronal membrane, thereby preventing the permeability of sodium ions. This leads to a stabilization of the neuronal membrane and inhibits depolarization and results in a reversible blockage of nerve impulse generation and propagation along nerve fibres and subsequent reversible loss of sensation.