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Dibucaine

National Cancer Institute

Source

National Cancer Institute. *Dibucaine*. NCI Thesaurus. Code C28984.

A quinoline derivative and amino amide with anesthetic activity. Dibucaine reversibly binds to and inactivates sodium channels in the neuronal cell membrane. Inhibition of sodium channels prevents the depolarization of nerve cell membranes and inhibits subsequent propagation of impulses along the course of the nerve, thereby limiting the excitation of nerve endings. This results in loss of sensation.