

[Open Peer Review on Qeios](#)

Mepivacaine Hydrochloride

National Cancer Institute

Source

National Cancer Institute. *Mepivacaine Hydrochloride*. NCI Thesaurus. Code C47602.

The hydrochloride salt form of mepivacaine, an amide derivative with local anesthetic properties. At the injection site, mepivacaine hydrochloride acts by binding to specific membrane sodium ion channels in the neuronal cell membranes, thereby inhibiting sodium influx. This leads to a blockage of nerve impulse conduction and results in a loss of sensation.