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# Procaine Hydrochloride

National Cancer Institute

## Source

National Cancer Institute. *Procaine Hydrochloride*. NCI Thesaurus. Code C47688.

The hydrochloride salt form of procaine, a benzoic acid derivative with local anesthetic and antiarrhythmic properties. Procaine binds to and inhibits voltage-gated sodium channels, thereby inhibiting the ionic flux required for the initiation and conduction of impulses. In addition, this agent increases electrical excitation threshold, reduces rate of rise of action potential and slows nerve impulse propagation thereby causing loss of sensation.