

[Open Peer Review on Qeios](#)

Procaine

National Cancer Institute

Source

National Cancer Institute. *Procaine*. NCI Thesaurus. Code C61906.

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.