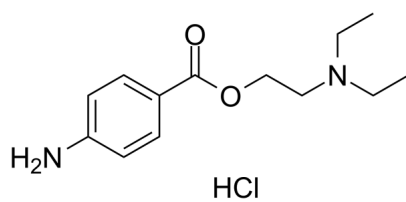


Data Sheet

Product Information

Catalog Number	BP13422
Product Name	Procaine hydrochloride
Description	Procaine Hydrochloride is 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.
Targets&IC50	NMDA Receptor:0.296 mM, sodium channel:60 μ M, nAChR:45.5 μ M, 5-HT3:1.7 μ M(Kd)
Synonyms	Novocaine HCl, Procaine HCl
CAS No.	51-05-8
Chemical Formula	C ₁₃ H ₂₀ N ₂ O ₂ ·HCl
Molecular Weight	272.77
Solubility	Ethanol: <1 mg/mL DMSO: 51 mg/mL (187 mM); H ₂ O: 50 mg/mL (183.3 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure
OR
Tested Image



Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

v2 Revision on 12/28/2022