

Proparacaine (Hydrochloride)

Catalog No: tcsc2303



Available Sizes

Size: 100mg



Specifications

CAS No:

5875-06-9

Formula:

$C_{16}H_{27}ClN_2O_3$

Pathway:

Membrane Transporter/Ion Channel

Target:

Sodium Channel

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

Proxymetacaine Hydrochloride

Observed Molecular Weight:

330.85

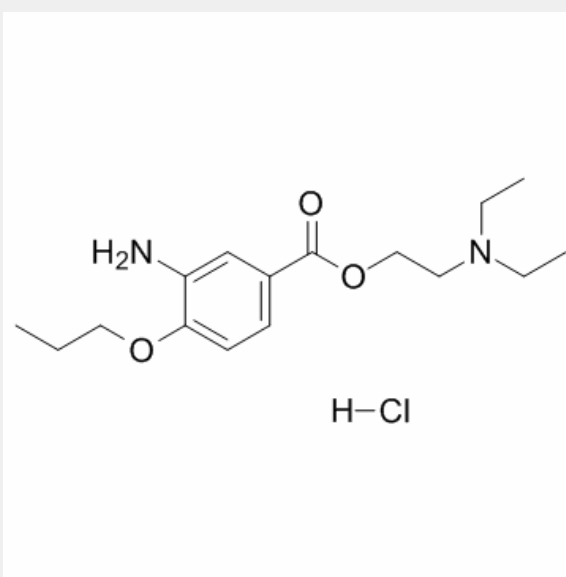
Product Description

Proparacaine Hydrochloride is a voltage-gated sodium channels antagonist with ED50 of 3.4 mM.

IC50 Value: 3.4 mM(ED50) [1]

Target: Sodium Channel

in vitro: Proparacaine is more potent and less toxic than cocaine [1]. Proparacaine significantly increases in FHV-1 (P
in vivo: Proparacaine inhibits corneal epithelial migration and adhesion through alteration of the actin cytoskeleton [3]. Proparacaine acts like bupivacaine or lidocaine and produces dose-related spinal blockades of motor function, proprioception and nociception. Intrathecal proxymetacaine also produces longer sensory blockade than motor blockade [4].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!