Web: www.taiclone.com
Tel: +886-2-2735-9682
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Ropivacaine (hydrochloride monohydrate)

Catalog No: tcsc2672

Available Sizes

Size: 10mg

Size: 50mg

Specifications

CAS No:
132112-35-7

Formula:
$C_{17}H_{29}ClN_2O_2$

Pathway:
Membrane Transporter/Ion Channel

Target:
Sodium Channel

Purity / Grade:
>98%

Solubility:
H2O : 14 mg/mL (42.57 mM; Need ultrasonic and warming)

Observed Molecular Weight:
328.88

Product Description

Ropivacaine HCl is an anaesthetic agent and blocks impulse conduction in nerve fibres through inhibiting sodium ion influx reversibly.

Target: Sodium Channel

Ropivacaine is a new long-acting local anesthetic, with vasoconstrictive properties. Ropivacaine given epidurally provided adequate sensory anesthesia and motor block for transurethral surgery. Addition of epinephrine did not provide any significant prolongation of

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the sensory or motor block, nor any influence upon the sympathetic block [1]. Ropivacaine was metabolized to 2\',6\'-pipecoloxylidide (PPX), 3\'-hydroxyropivacaine (3\'-OH Rop), and 4\'-hydroxyropivacaine (4\'-OH Rop) by hepatic microsomes from human and rat. Ropivacaine N-dealkylation and 3\'-hydroxylation activities correlated well with the level of CYP3A4 and 1A2 in human hepatic microsomes, respectively [2].