

Product datasheet

QX-314 chloride (N-Ethyllidocaine chloride), Na⁺ channel blocker ab120118

14 References 1 Image

Overview

Product name QX-314 chloride (N-Ethyllidocaine chloride), Na⁺ channel blocker

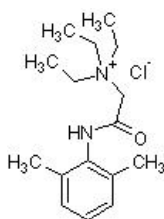
Description Na⁺ channel blocker

Biological description A membrane impermeable quaternary lidocaine derivative. Blocks voltage-sensitive Na⁺ channels.

Also available in simple stock solutions ([ab144493](#)) - add 1 ml of water to get an exact, ready-to-use concentration.

CAS Number 5369-03-9

Chemical structure



Properties

Chemical name N-(2,6-Dimethylphenylcarbamoylmethyl)triethylammonium chloride

Molecular weight 298.85

Molecular formula C₁₆H₂₇ClN₂O

PubChem identifier 21462

Storage instructions Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview Soluble in water to 100 mM and to 50 mM in DMSO

Handling Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

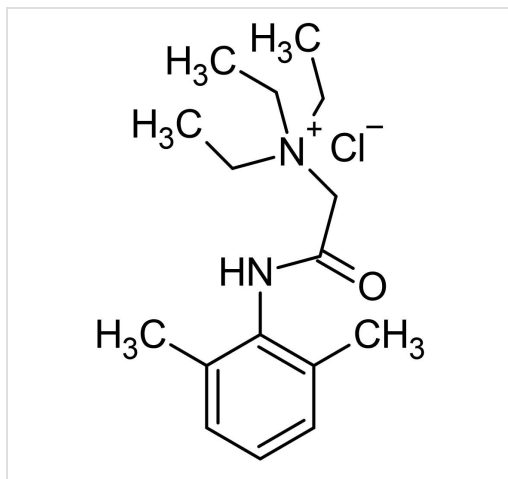
SMILES

[Cl-].O=C(Nc1c(C)cccc1C)C[N+](CC)(CC)CC

Source

Synthetic

Images



2D chemical structure image of ab120118, QX-314 chloride (N-Ethylidocaine chloride), Na⁺ channel blocker

Chemical Structure - QX-314 chloride (N-Ethylidocaine chloride), Na⁺ channel blocker (ab120118)

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