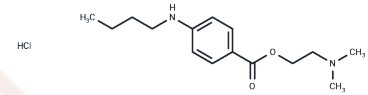


Tetracaine hydrochloride

Chemical Properties

CAS No. :	136-47-0
Formula:	C ₁₅ H ₂₅ ClN ₂ O ₂
Molecular Weight:	300.82
Storage:	Powder: -20°C for 3 years Actual storage temperature shall be subject to the COA.



Biological Description

Description	Tetracaine hydrochloride (Amethocaine HCl) (Pontocaine), a potent local anaesthetic, is a channel function allosteric inhibitor. It is primarily used as an antipruritic and topically in ophthalmology, and it has been used for surface and spinal anesthesia.
Targets(IC50)	Calcium Channel,Sodium Channel

Solubility Information

Solubility	Ethanol: 28 mg/mL (93.08 mM),Sonication is recommended. H ₂ O: 55 mg/mL (182.83 mM),Sonication is recommended. DMSO: 40 mg/mL (132.97 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3242 mL	16.6212 mL	33.2425 mL
5 mM	0.6648 mL	3.3242 mL	6.6485 mL
10 mM	0.3324 mL	1.6621 mL	3.3242 mL
50 mM	0.0665 mL	0.3324 mL	0.6648 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Leng T, et al. Mol Pain. 2013 Jun 10;9:27

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