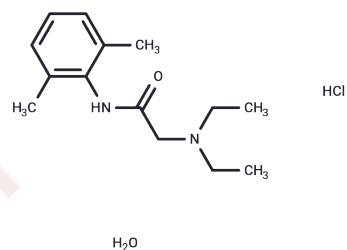


Lidocaine Hydrochloride hydrate

Chemical Properties

CAS No. : 6108-05-0
 Formula: C₁₄H₂₂N₂O·HCl·H₂O
 Molecular Weight: 288.82
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	Lidocaine Hydrochloride hydrate is an amide local anesthetic, has anti-inflammatory property.
Targets(IC50)	Apoptosis,ERK,EGFR,NF-κB,MEK,Sodium Channel

Solubility Information

Solubility	DMSO: 25 mg/mL (86.56 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	3.4624 mL	17.3118 mL	34.6236 mL
5 mM	0.6925 mL	3.4624 mL	6.9247 mL
10 mM	0.3462 mL	1.7312 mL	3.4624 mL
50 mM	0.0692 mL	0.3462 mL	0.6925 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

Sheets PL, et al. J Physiol. 2007 Jun 15;581(Pt 3):1019-31.

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