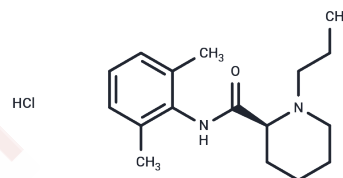


Ropivacaine hydrochloride

Chemical Properties

CAS No. :	98717-15-8
Formula:	C ₁₇ H ₂₆ N ₂ O·HCl
Molecular Weight:	310.86
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	Ropivacaine hydrochloride (Ropivacaine monohydrochloride) is the hydrochloride salt of ropivacaine, a local anesthetic of the amide type with analgesic activity.
Targets(IC50)	Potassium Channel,Sodium Channel

Solubility Information

Solubility	DMSO: 11.9 mg/mL (38.28 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (3.22 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2169 mL	16.0844 mL	32.1688 mL
5 mM	0.6434 mL	3.2169 mL	6.4338 mL
10 mM	0.3217 mL	1.6084 mL	3.2169 mL
50 mM	0.0643 mL	0.3217 mL	0.6434 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

Imming P, et al. Nat Rev Drug Discov. 2006, 5(10):821-34.

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