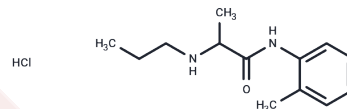


Prilocaine hydrochloride

Chemical Properties

CAS No. :	1786-81-8
Formula:	C ₁₃ H ₂₁ ClN ₂ O
Molecular Weight:	256.77
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	Prilocaine hydrochloride (Prilocaine HCl) is a local anesthetic of the amino amide type, binds to voltage-gated sodium ion channels in the neuronal membrane, thereby preventing the permeability of sodium ions.
Targets(IC50)	ATPase,Sodium Channel

Solubility Information

Solubility	DMSO: 60 mg/mL (233.67 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	3.8945 mL	19.4727 mL	38.9454 mL
5 mM	0.7789 mL	3.8945 mL	7.7891 mL
10 mM	0.3895 mL	1.9473 mL	3.8945 mL
50 mM	0.0779 mL	0.3895 mL	0.7789 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

Dimri M, et al. Tokai J Exp Clin Med. 2015 Mar 20;40(1):8-15.

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