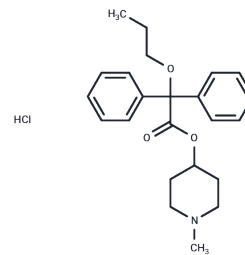


Propiverine hydrochloride

Chemical Properties

CAS No. :	54556-98-8
Formula:	C ₂₃ H ₃₀ ClNO ₃
Molecular Weight:	403.94
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	Propiverine is a widely used antimuscarinic drug with a mixed mode of action in the treatment of symptoms associated with overactive bladder (OAB).
Targets(IC50)	Calcium Channel,AChR

Solubility Information

Solubility	DMSO: 55 mg/mL (136.16 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: 2 mg/mL (4.95 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	2.4756 mL	12.3781 mL	24.7562 mL
5 mM	0.4951 mL	2.4756 mL	4.9512 mL
10 mM	0.2476 mL	1.2378 mL	2.4756 mL
50 mM	0.0495 mL	0.2476 mL	0.4951 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

Ito Y, et al. Low Urin Tract Symptoms. 2010, 2(1):43-9.

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