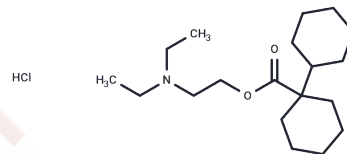


Dicyclomine hydrochloride

Chemical Properties

CAS No. :	67-92-5
Formula:	C ₁₉ H ₃₆ ClNO ₂
Molecular Weight:	345.95
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	Dicyclomine hydrochloride is a muscarinic antagonist used as an antispasmodic and in urinary incontinence.
Targets(IC50)	AChR

Solubility Information

Solubility	H ₂ O: 199.5 mM, Sonication is recommended. DMSO: 30.88 mg/mL (89.26 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 3.09 mg/mL (8.93 mM), Solution. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.78 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	2.8906 mL	14.453 mL	28.9059 mL
5 mM	0.5781 mL	2.8906 mL	5.7812 mL
10 mM	0.2891 mL	1.4453 mL	2.8906 mL
50 mM	0.0578 mL	0.2891 mL	0.5781 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

Jin CH, et al. J Neurosci Res. 2009 Dec;87(16):3658-70.

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