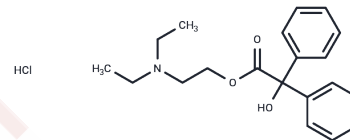


Benactyzine hydrochloride

Chemical Properties

CAS No. :	57-37-4
Formula:	C ₂₀ H ₂₆ ClNO ₃
Molecular Weight:	363.88
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	Benactyzine hydrochloride (Neuroleptone) is a centrally acting muscarinic antagonist. Benactyzine has been used in the treatment of depression and is used in research to investigate the role of cholinergic systems on behavior.
Targets(IC50)	AChR,Cholinesterase (ChE)

Solubility Information

Solubility	DMSO: 60 mg/mL (164.89 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	2.7482 mL	13.7408 mL	27.4816 mL
5 mM	0.5496 mL	2.7482 mL	5.4963 mL
10 mM	0.2748 mL	1.3741 mL	2.7482 mL
50 mM	0.055 mL	0.2748 mL	0.5496 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

Amitai G, et al. Mol Pharmacol. 1987 Nov;32(5):678-85.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481