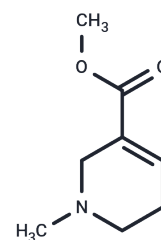


Arecoline hydrobromide

Chemical Properties

CAS No. :	300-08-3
Formula:	C ₈ H ₁₃ NO ₂ ·HBr
Molecular Weight:	236.11
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.

HBr



Biological Description

Description	Arecoline hydrobromide (Arecoline HBr) is a muscarinic acetylcholine receptor agonist.
Targets(IC50)	AChR

Solubility Information

Solubility	DMSO: 50 mg/mL (211.77 mM),Sonication is recommended. H ₂ O: 100 mg/mL (423.53 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 (8.47 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	4.2353 mL	21.1766 mL	42.3531 mL
5 mM	0.8471 mL	4.2353 mL	8.4706 mL
10 mM	0.4235 mL	2.1177 mL	4.2353 mL
50 mM	0.0847 mL	0.4235 mL	0.8471 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

Ghelardini, C., et al., M1 receptor activation is a requirement for arecoline analgesia. *Farmacologia*, 2001. 56(5-7): p. 383-5.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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