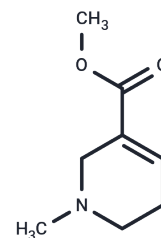


Arecoline hydrobromide

Chemical Properties

CAS No. : 300-08-3
 Formula: C₈H₁₃NO₂·HBr
 Molecular Weight: 236.11
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

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)
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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.

Reference

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

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