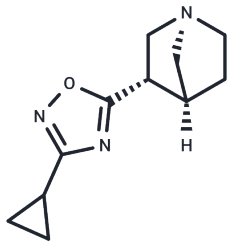
Data Sheet (Cat.No.T24333)

TargetMol

L 687306

Chemical Properties



CAS No. : 139346-23-9

Formula: C11H15N3O

Molecular Weight: 205.26

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	L 687306 is a partial agonist of muscarinic M1 receptors. It is also a highly competitive antagonist at cardiac M2 receptors and ileal M3 muscarinic receptors.
Targets(IC50)	Others,AChR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8719 mL	24.3593 mL	48.7187 mL
5 mM	0.9744 mL	4.8719 mL	9.7437 mL
10 mM	0.4872 mL	2.4359 mL	4.8719 mL
50 mM	0.0974 mL	0.4872 mL	0.9744 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

Dawson GR, Iversen SD. The effects of novel cholinesterase inhibitors and selective muscarinic receptor agonists in tests of reference and working memory. Behav Brain Res. 1993 Nov 30;57(2):143-53. PubMed PMID: 8117420.
Freedman SB, Patel S, Harley EA, Iversen LL, Baker R, Showell GA, Saunders J, McKnight A, Newberry N, Scholey K, et al. L-687,306: a functionally selective and potent muscarinic M1 receptor agonist. Eur J Pharmacol. 1992 Apr 29; 215(1):135-6. PubMed PMID: 1516645.

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