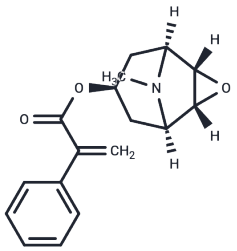
Data Sheet (Cat.No.TN3434)

TargetMol

Apohyoscine

Chemical Properties



CAS No. : 535-26-2

Formula: C17H19NO3

Molecular Weight: 285.34

Storage: Keep away from direct sunlight
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	Apohyoscine is a natural tropane alkaloid that can be isolated from the Datura ferox plant. Apohyoscine exhibits high selectivity for muscarinic acetylcholine receptors (mAChR) and also binds to targets such as ACHE and ADRA2A. Apohyoscine can be used in research on Alzheimer's disease.
Targets(IC50)	Cholinesterase (ChE)

Solubility Information

Solubility	DMSO: 20 mg/mL (70.09 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5046 mL	17.523 mL	35.0459 mL
5 mM	0.7009 mL	3.5046 mL	7.0092 mL
10 mM	0.3505 mL	1.7523 mL	3.5046 mL
50 mM	0.0701 mL	0.3505 mL	0.7009 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

Yi P, et al. Integrated meta-analysis, network pharmacology, and molecular docking to investigate the efficacy and potential pharmacological mechanism of Kai-Xin-San on Alzheimer's disease. Pharm Biol. 2020 Dec;58(1): 932-943.

Vitale AA, Acher A, Pomilio AB. Alkaloids of Datura ferox from Argentina. J Ethnopharmacol. 1995;49(2):81-89.