Data Sheet (Cat.No.T80671)

TargetMol

ACHE-IN-38

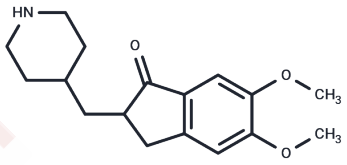
Chemical Properties

CAS No. : 120014-30-4

Formula: C17H23NO3

Molecular Weight: 289.37

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	ACHE-IN-38 is a potent Acetylcholinesterase inhibitor that can be used for the synthesis of compounds with anti-inflammatory, anti-tumor, and antibacterial activities.
Targets(IC50)	Antifungal,Cholinesterase (ChE)

Solubility Information

Solubility	DMSO: 55 mg/mL (190.07 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4558 mL	17.2789 mL	34.5578 mL
5 mM	0.6912 mL	3.4558 mL	6.9116 mL
10 mM	0.3456 mL	1.7279 mL	3.4558 mL
50 mM	0.0691 mL	0.3456 mL	0.6912 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

Camps P,et al. Novel donepezil-based inhibitors of acetyl- and butyrylcholinesterase and acetylcholinesterase-induced beta-amyloid aggregation. J Med Chem. 2008 Jun 26;51(12):3588-98.
Sugimoto H, et al. Donepezil hydrochloride (E2020) and other acetylcholinesterase inhibitors. Curr Med Chem. 2000 Mar;7(3):303-39.

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