

BuChE-IN-16

Chemical Properties

CAS No. :

Formula: C₁₆H₂₂N₂O₃

Molecular Weight: 290.36

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	BuChE-IN-16 (Compound 6a) is an orally active, blood-brain barrier-permeable, and selective BuChE inhibitor with an IC ₅₀ of 0.33 μM. It exhibits anti-inflammatory and neuroprotective effects, improves cognitive function in Alzheimer's disease (AD) zebrafish models, and alleviates scopolamine-induced memory impairment in mice. BuChE-IN-16 is applicable for Alzheimer's disease research.
Targets(IC50)	Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.444 mL	17.220 mL	34.440 mL
5 mM	0.6888 mL	3.444 mL	6.888 mL
10 mM	0.3444 mL	1.722 mL	3.444 mL
50 mM	0.0689 mL	0.3444 mL	0.6888 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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