

BuChE-IN-7

Chemical Properties

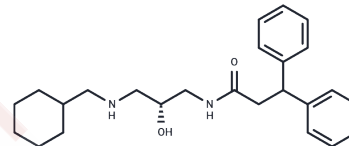
CAS No. :

Formula: C₂₅H₃₄N₂O₂

Molecular Weight: 394.55

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-7 is a selective inhibitor targeting human butyrylcholinesterase (hBuChE) and equine butyrylcholinesterase (eqBuChE), demonstrating IC ₅₀ values of 40 nM and 80 nM, respectively. Demonstrating the ability to penetrate the blood-brain barrier, BuChE-IN-7 enhances cognitive functions and specifically augments situational and phobic memory, exhibiting a preference for novelty.
Targets(IC ₅₀)	Others,Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5345 mL	12.6727 mL	25.3453 mL
5 mM	0.5069 mL	2.5345 mL	5.0691 mL
10 mM	0.2535 mL	1.2673 mL	2.5345 mL
50 mM	0.0507 mL	0.2535 mL	0.5069 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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