

AChE-IN-81

Chemical Properties

CAS No. :

Formula: C37H54ClNO5

Molecular Weight: 628.28

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-81 (compound 22) is a reversible, selective inhibitor of AChE with an 80.0% inhibition rate and an IC50 of 3.7 μ M. It binds to AChE with an affinity (Kd) of 5.37 μ M. AChE-IN-81 effectively reduces apoptosis in zebrafish brain cells and shows potential neuroprotective activity in an H2O2-induced SH-SY5Y cell damage model.
Targets(IC50)	Apoptosis,Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5916 mL	7.9582 mL	15.9165 mL
5 mM	0.3183 mL	1.5916 mL	3.1833 mL
10 mM	0.1592 mL	0.7958 mL	1.5916 mL
50 mM	0.0318 mL	0.1592 mL	0.3183 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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