

hAChE-IN-2

Chemical Properties

CAS No. :

Formula: C₂₂H₂₃FN₄O₂

Molecular Weight: 394.44

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	hAChE-IN-2, a potent inhibitor of human acetylcholinesterase (hAChE), exhibits an inhibitory concentration 50 (IC ₅₀) of 0.71 μM and additionally impedes tau-oligomerization with an effective concentration 50 (EC ₅₀) of 2.21 μM, demonstrating neuroprotective activity [1].
Targets(IC ₅₀)	Others, Microtubule Associated, Cholinesterase (ChE)
In vitro	Compound 21 (hAChE-IN-2), at concentrations ranging from 1-10 μM, exhibited neuroprotective activity in SH-SY5Y cells transfected with wild-type tau [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5352 mL	12.6762 mL	25.3524 mL
5 mM	0.507 mL	2.5352 mL	5.0705 mL
10 mM	0.2535 mL	1.2676 mL	2.5352 mL
50 mM	0.0507 mL	0.2535 mL	0.507 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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