

hAChE-IN-1

Chemical Properties

CAS No. :

Formula: C₂₂H₂₄N₄O

Molecular Weight: 360.45

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-1 (Compound 24) is a potent inhibitor of human acetylcholinesterase (hAChE), with an inhibition concentration half-maximum (IC ₅₀) of 1.09 μ M, and inhibits tau-oligomerization with an effective concentration half-maximum (EC ₅₀) of 2.71 μ M as determined by a cellular tau fluorescence resonance energy transfer (FRET) assay [1].
Targets(IC ₅₀)	Others, Microtubule Associated, Cholinesterase (ChE)
In vitro	hAChE-IN-1 (Compound 24; 1-10 μ M; 24 h) demonstrates neuroprotective effects on SH-SY5Y cells transfected with WT tau [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7743 mL	13.8715 mL	27.7431 mL
5 mM	0.5549 mL	2.7743 mL	5.5486 mL
10 mM	0.2774 mL	1.3872 mL	2.7743 mL
50 mM	0.0555 mL	0.2774 mL	0.5549 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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