

AChE-IN-12

Chemical Properties

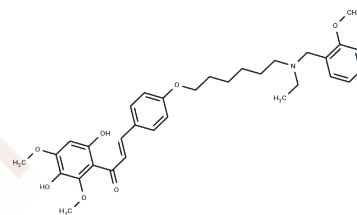
CAS No. : 2764664-52-8

Formula: C33H41NO7

Molecular Weight: 563.68

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-12 is a potent acetylcholinesterase (AChE) inhibitor that crosses the blood-brain barrier (BBB), targeting rat AChE (IC ₅₀ : 0.41 μM) and electric eel AChE (IC ₅₀ : 1.88 μM). It significantly inhibits Cu ²⁺ -induced aggregation of Aβ ₁₋₄₂ , exhibits good neuroprotective effects, and may be used in Alzheimer's disease studies.
Targets(IC ₅₀)	Beta Amyloid,Others,Cholinesterase (ChE),Monoamine Oxidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7741 mL	8.8703 mL	17.7406 mL
5 mM	0.3548 mL	1.7741 mL	3.5481 mL
10 mM	0.1774 mL	0.887 mL	1.7741 mL
50 mM	0.0355 mL	0.1774 mL	0.3548 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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Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481