

AChE/BChE/MAO-B-IN-3

Chemical Properties

CAS No. :

Formula: C25H31N3O3

Molecular Weight: 421.53

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/BChE/MAO-B-IN-3, an indan-1-one derivative, is a potent inhibitor of human monoamine oxidase B (MAO-B) with an IC ₅₀ of 0.0359 μM and also demonstrates significant inhibitory effects on acetylcholinesterase (AChE) and butyrylcholinesterase (BChE) with IC ₅₀ values of 0.0473 μM and 0.0782 μM, respectively. Exhibiting notable antioxidant activity, AChE/BChE/MAO-B-IN-3 holds considerable promise for Alzheimer's disease (AD) research.
Targets(IC ₅₀)	Others,Cholinesterase (ChE),Monoamine Oxidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3723 mL	11.8616 mL	23.7231 mL
5 mM	0.4745 mL	2.3723 mL	4.7446 mL
10 mM	0.2372 mL	1.1862 mL	2.3723 mL
50 mM	0.0474 mL	0.2372 mL	0.4745 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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