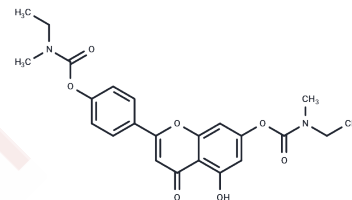


AChE-IN-15

Chemical Properties

CAS No. : 2242792-25-0
 Formula: C₂₃H₂₄N₂O₇
 Molecular Weight: 440.45
 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	AChE-IN-15 (Compound 3d) is a reversible inhibitor of human acetylcholinesterase (huAChE) and human butyrylcholinesterase (huBChE), exhibiting IC ₅₀ values of 6.8 μM for huAChE and 16.1 μM for huBChE, and demonstrates significant antioxidant activity. The compound has potential applications in the treatment of Alzheimer's disease.
Targets(IC ₅₀)	Others,Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2704 mL	11.352 mL	22.7041 mL
5 mM	0.4541 mL	2.2704 mL	4.5408 mL
10 mM	0.227 mL	1.1352 mL	2.2704 mL
50 mM	0.0454 mL	0.227 mL	0.4541 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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