

AChE/BuChE-IN-6

Chemical Properties

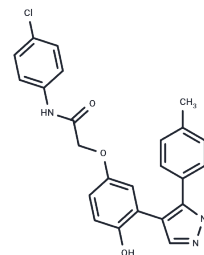
CAS No. :

Formula: C₂₄H₂₀ClN₃O₃

Molecular Weight: 433.887

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/BuChE-IN-6 (Compound 11f) is an inhibitor of AChE and BuChE, with IC ₅₀ values of 1.24 and 1.85 µg/mL, respectively. It exhibits strong DPPH radical scavenging activity (IC ₅₀ = 3.15 µg/mL). In vivo toxicity studies demonstrate that AChE/BuChE-IN-6 is safe, showing no significant differences in blood and biochemical parameters compared to controls, and no abnormalities in liver and kidney tissues. This compound shows potential for Alzheimer's disease research.
Targets(IC ₅₀)	Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3047 mL	11.5237 mL	23.0473 mL
5 mM	0.4609 mL	2.3047 mL	4.6095 mL
10 mM	0.2305 mL	1.1524 mL	2.3047 mL
50 mM	0.0461 mL	0.2305 mL	0.4609 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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