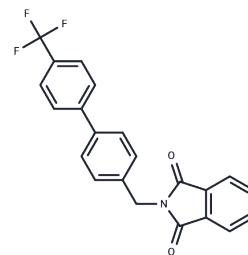


AChE/BChE/MAO-B-IN-5

Chemical Properties

CAS No. : 1432738-00-5
 Formula: C₂₂H₁₄F₃NO₂
 Molecular Weight: 381.347
 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-5 is a multi-target inhibitor capable of crossing the blood-brain barrier, targeting cholinesterases (AChE and BChE) and monoamine oxidase MAO-B. It exhibits IC ₅₀ values of 0.24 μM for AChE, 6.29 μM for BChE, and 0.11 μM for MAO-B. AChE/BChE/MAO-B-IN-5 holds potential for research in neurodegenerative diseases such as Alzheimer's disease.
Targets(IC ₅₀)	Cholinesterase (ChE), Monoamine Oxidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6223 mL	13.1113 mL	26.2226 mL
5 mM	0.5245 mL	2.6223 mL	5.2445 mL
10 mM	0.2622 mL	1.3111 mL	2.6223 mL
50 mM	0.0524 mL	0.2622 mL	0.5245 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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