

MAO-IN-6

Chemical Properties

CAS No. :

Formula: C₂₂H₁₄F₃NO₂

Molecular Weight: 381.35

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	MAO-IN-6 (Compound 3f) is a reversible MAO-B inhibitor that can cross the blood-brain barrier, with an IC ₅₀ value of 0.09 μ M. It also shows inhibitory activity against AChE and BChE, with IC ₅₀ values of 4.48 μ M and 17.03 μ M, respectively. MAO-IN-6 exhibits low cytotoxicity and is applicable in Alzheimer's disease research.
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

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