

MAO-B-IN-3

Chemical Properties

CAS No. :

Formula: C₂₄H₂₅N₃O₂

Molecular Weight: 387.47

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-B-IN-3 is a selective, reversible inhibitor of monoamine oxidase B (MAO-B) with an IC ₅₀ of 96 nM and shows affinity for the 5-HT ₆ receptor with a K _i of 696 nM, making it suitable for Alzheimer's disease research [1].
Targets(IC ₅₀)	5-HT Receptor, Monoamine Oxidase
In vitro	MAO-B-IN-3 exhibits minimal inhibitory activity against MAO-A with an inhibition rate of 3% at a concentration of 1 μM. The compound demonstrates a K _i value of 696 nM for the 5-HT ₆ receptor in HEK293 cells stably expressing h5-HT ₆ R [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5808 mL	12.9042 mL	25.8084 mL
5 mM	0.5162 mL	2.5808 mL	5.1617 mL
10 mM	0.2581 mL	1.2904 mL	2.5808 mL
50 mM	0.0516 mL	0.2581 mL	0.5162 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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