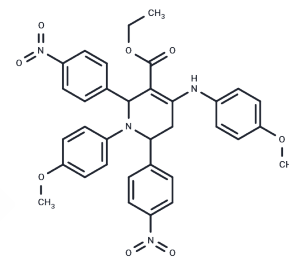


MAO-B-IN-44

Chemical Properties

CAS No. :	1454707-25-5
Formula:	C34H32N4O8
Molecular Weight:	624.64
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-44 (Compound 4n) is a selective inhibitor of monoamine oxidase B (MAO-B) with an IC ₅₀ of 1.01 μM, demonstrating weak inhibition of MAO-A (IC ₅₀ =14.4 μM). It reduces the degradation of neurotransmitters like dopamine and holds potential for research into neurodegenerative diseases such as Parkinson's disease, which are associated with MAO-B abnormalities.
Targets(IC ₅₀)	Monoamine Oxidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6009 mL	8.0046 mL	16.0092 mL
5 mM	0.3202 mL	1.6009 mL	3.2018 mL
10 mM	0.1601 mL	0.8005 mL	1.6009 mL
50 mM	0.032 mL	0.1601 mL	0.3202 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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