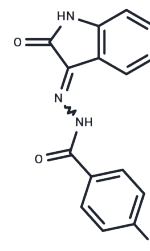


MAO-B-IN-30

Chemical Properties

CAS No. :	82973-15-7
Formula:	C ₁₅ H ₁₀ BrN ₃ O ₂
Molecular Weight:	344.16
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-30 is a selective and potent MAO-B inhibitor that crosses the blood-brain barrier with antiproliferative activity and inhibits both MAO-A and MAO-B. MAO-B-IN-30 reduces the levels of TNF-alpha, IL-6, and NF-kB in organisms, and can be used to study Parkinson's-type neurological disorders.
Targets(IC50)	MAO,NF-kB,Monoamine Oxidase,TNF
In vitro	In SH-SY5Y cells, MAO-B-IN-30 (0-100 μM ; inhibited cell growth and non-cytotoxic[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9056 mL	14.5281 mL	29.0563 mL
5 mM	0.5811 mL	2.9056 mL	5.8113 mL
10 mM	0.2906 mL	1.4528 mL	2.9056 mL
50 mM	0.0581 mL	0.2906 mL	0.5811 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.

Reference

Kumar S, et al. Isatin-tethered halogen-containing acylhydrazone derivatives as monoamine oxidase inhibitor with neuroprotective effect. Sci Rep. 2024 Jan 13;14(1):1264.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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