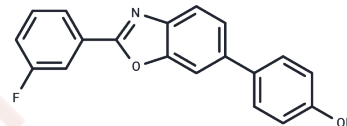


MAO-B-IN-42

Chemical Properties

CAS No. :	2568016-10-2
Formula:	C19H12FNO2
Molecular Weight:	305.302
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-42 (Compound 4f) is a selective and reversible monoamine oxidase-B (MAO-B) inhibitor, with an IC50 value of 0.184 μ M. By blocking the oxidative deamination of monoamines catalyzed by MAO-B, it helps maintain neurotransmitter levels. MAO-B-IN-42 shows potential for research into Parkinson's disease.
Targets(IC50)	Monoamine Oxidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2755 mL	16.3773 mL	32.7547 mL
5 mM	0.6551 mL	3.2755 mL	6.5509 mL
10 mM	0.3275 mL	1.6377 mL	3.2755 mL
50 mM	0.0655 mL	0.3275 mL	0.6551 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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