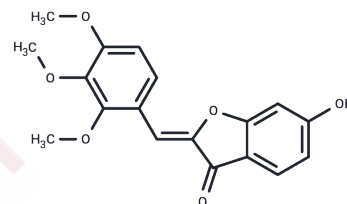


## MAO-B-IN-8

## Chemical Properties

CAS No. :	1638956-60-1
Formula:	C <sub>18</sub> H <sub>16</sub> O <sub>6</sub>
Molecular Weight:	328.32
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-8 is a highly potent and reversible inhibitor of monoamine oxidase-B (MAO-B), also inhibiting microglial production of neuroinflammatory mediators. This compound is specifically designed for research on neurodegenerative diseases [1].
Targets(IC50)	MAO, Monoamine Oxidase

## Solubility Information

Solubility	DMSO: 112.5 mg/mL (342.65 mM), Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0458 mL	15.229 mL	30.4581 mL
5 mM	0.6092 mL	3.0458 mL	6.0916 mL
10 mM	0.3046 mL	1.5229 mL	3.0458 mL
50 mM	0.0609 mL	0.3046 mL	0.6092 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

Hassan AHE, et al. Positional scanning of natural product hispidol's ring-B: discovery of highly selective human monoamine oxidase-B inhibitor analogues downregulating neuroinflammation for management of neurodegenerative diseases. J Enzyme Inhib Med Chem. 2022;37(1):768-780.

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