

## MAO-B-IN-39

## Chemical Properties

CAS No. :

Formula: C17H13FN2O

Molecular Weight: 280.3

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-39 (compound11) is a potent inhibitor of monoamine oxidase B (MAO-B), with an IC50 of 3.61 $\mu$ M. It demonstrates strong NRF2 induction capabilities and exhibits significant anti-inflammatory and neuroprotective effects in oxidative stress-related in vitro models. Additionally, MAO-B-IN-39 shows high liver microsomal stability and favorable pharmacokinetic properties in mice, making it a valuable compound for Parkinson's disease research.
Targets(IC50)	Nrf2, Monoamine Oxidase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5676 mL	17.838 mL	35.6761 mL
5 mM	0.7135 mL	3.5676 mL	7.1352 mL
10 mM	0.3568 mL	1.7838 mL	3.5676 mL
50 mM	0.0714 mL	0.3568 mL	0.7135 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.

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