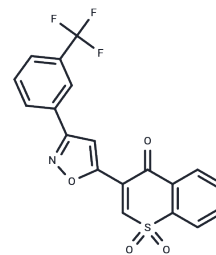


MAO-B-IN-28

Chemical Properties

CAS No. :	3028096-72-9
Formula:	C ₁₉ H ₁₀ F ₃ N ₂ O ₄ S
Molecular Weight:	405.35
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-28 (compound 10e) is a potent hMAO-B inhibitor with an IC ₅₀ value of 1.9±0.5 nM, potentially serving as a candidate molecule for neurodegenerative disease research.
Targets(IC ₅₀)	Monoamine Oxidase
In vitro	MAO-B-IN-28 (0.5-128 μM, 24 h) exhibits significant cytotoxicity against MCF-7 cells, while it shows no notable cytotoxic effects on MGC-803, HCT-116, or HepG2 cells. Additionally, MAO-B-IN-28 (0.5, 4 μM, 24 h) demonstrates no cytotoxicity to differentiated SH-SY5Y cells and HVSMC cells. Furthermore, MAO-B-IN-28 (2, 4 μM, 24 h) does not increase ROS levels or cause oxidative damage in differentiated SH-SY5Y cells.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.467 mL	12.335 mL	24.670 mL
5 mM	0.4934 mL	2.467 mL	4.934 mL
10 mM	0.2467 mL	1.2335 mL	2.467 mL
50 mM	0.0493 mL	0.2467 mL	0.4934 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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