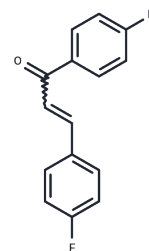


CHBO4

Chemical Properties

CAS No. : 98991-32-3
Formula: C₁₅H₁₀BrFO
Molecular Weight: 305.14
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	CHBO4 is an hMAO-B inhibitor that is potent, reversible, competitive and selective. The IC ₅₀ value of CHBO4 against hMAO-B in the CHBO assay was 0.031 μM, and the K _i value was 0.010 ± 0.005 μM. CHBO4 reduces cellular damage by scavenging intracellular reactive oxygen species (ROS), and can be used to study Parkinson's disease (PD).
Targets(IC ₅₀)	MAO,ROS

Solubility Information

Solubility	DMSO: 55 mg/mL (180.25 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2772 mL	16.3859 mL	32.7718 mL
5 mM	0.6554 mL	3.2772 mL	6.5544 mL
10 mM	0.3277 mL	1.6386 mL	3.2772 mL
50 mM	0.0655 mL	0.3277 mL	0.6554 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.

Reference

Thomas Parambi DG, et al. Halogenated class of oximes as a new class of monoamine oxidase-B inhibitors for the treatment of Parkinson's disease: Synthesis, biochemistry, and molecular dynamics study. Comput Biol Chem.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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