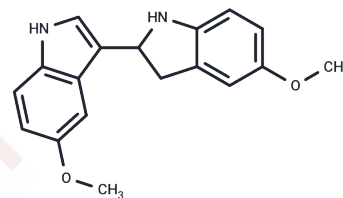


## 5-LOX/MAOs-IN-1

## Chemical Properties

CAS No. :	33865-93-9
Formula:	C <sub>18</sub> H <sub>18</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	294.35
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	Compound 3, known as 5-LOX/MAOs-IN-1, acts as an inhibitor of 5-LOX/MAOs and is an effective free radical scavenger, displaying antioxidant characteristics. It has demonstrated neuroprotective effects in cell models damaged by oxidative stress and is capable of activating the neurogenesis microenvironment in adult mouse neural stem cells. This compound is utilized in research focused on neurodegenerative diseases.
Targets(IC50)	Lipoxygenase, Monoamine Oxidase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3973 mL	16.9866 mL	33.9732 mL
5 mM	0.6795 mL	3.3973 mL	6.7946 mL
10 mM	0.3397 mL	1.6987 mL	3.3973 mL
50 mM	0.0679 mL	0.3397 mL	0.6795 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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