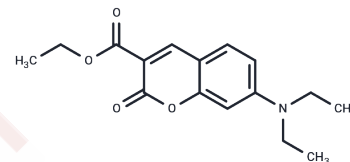


## hMAO-B-IN-32

## Chemical Properties

CAS No. :	28705-46-6
Formula:	C <sub>16</sub> H <sub>19</sub> NO <sub>4</sub>
Molecular Weight:	289.33
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	hMAO-B-IN-32 is a potent hMAO-B selective inhibitor with an IC <sub>50</sub> of 45.52 μM.
Targets(IC <sub>50</sub> )	MAO, Monoamine Oxidase

## Solubility Information

Solubility	DMSO: 50 mg/mL (172.81 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	3.4563 mL	17.2813 mL	34.5626 mL
5 mM	0.6913 mL	3.4563 mL	6.9125 mL
10 mM	0.3456 mL	1.7281 mL	3.4563 mL
50 mM	0.0691 mL	0.3456 mL	0.6913 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

Secci D, et al. Synthesis and selective human monoamine oxidase inhibition of 3-carbonyl, 3-acyl, and 3-carboxyhydrazido coumarin derivatives. Eur J Med Chem. 2011 Oct;46(10):4846-52.

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