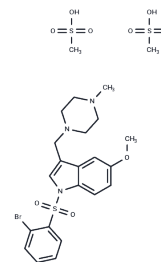


## Masupirdine mesylate

## Chemical Properties

CAS No. :	1791396-46-7
Formula:	C23H32BrN3O9S3
Molecular Weight:	670.61
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Masupirdine mesylate (SUVN-502 mesylate) is a selective 5-HT6 receptor antagonist that crosses the blood-brain barrier and is utilized in the study of neurological disorders such as Alzheimer's disease and dementia.
Targets(IC50)	5-HT Receptor

## Solubility Information

Solubility	DMSO: 15 mg/mL (22.37 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	1.4912 mL	7.4559 mL	14.9118 mL
5 mM	0.2982 mL	1.4912 mL	2.9824 mL
10 mM	0.1491 mL	0.7456 mL	1.4912 mL
50 mM	0.0298 mL	0.1491 mL	0.2982 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

Nirogi R, et al. Discovery and Development of 1-[(2-Bromophenyl)sulfonyl]-5-methoxy-3-[(4-methyl-1-piperazinyl)methyl]-1H-indole Dimesylate Monohydrate (SUVN-502): A Novel, Potent, Selective and Orally Active Serotonin 6 (5-HT6) Receptor Antagonist for Potential Treatment of Alzheimer's Disease. J Med Chem. 2017 Mar 9;60(5):1843-1859.

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