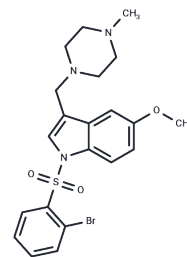


## Masupirdine free base

## Chemical Properties

CAS No. :	701205-60-9
Formula:	C <sub>21</sub> H <sub>24</sub> BrN <sub>3</sub> O <sub>3</sub> S
Molecular Weight:	478.4
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	Masupirdine free base (SUVN-502 free base) is an orally available 5-HT <sub>6</sub> receptor antagonist that crosses the blood-brain barrier, with a K <sub>i</sub> value of 2.04 nM for the human 5-HT <sub>6</sub> receptor. It is potent and selective, inhibiting multiple targets, and can be used in the study of neurological disorders such as Alzheimer's disease.
Targets(IC <sub>50</sub> )	5-HT Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0903 mL	10.4515 mL	20.903 mL
5 mM	0.4181 mL	2.0903 mL	4.1806 mL
10 mM	0.209 mL	1.0452 mL	2.0903 mL
50 mM	0.0418 mL	0.209 mL	0.4181 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-HT<sub>6</sub>) Receptor Antagonist for Potential Treatment of Alzheimer's Disease. J Med Chem. 2017 Mar 9;60(5):1843-1859.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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

Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481