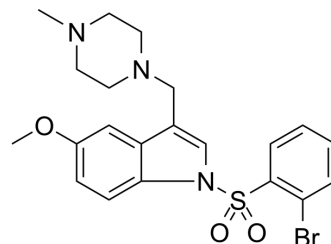


## Masupirdine free base

Cat. No.:	HY-109118
CAS No.:	701205-60-9
Molecular Formula:	C <sub>21</sub> H <sub>24</sub> BrN <sub>3</sub> O <sub>3</sub> S
Molecular Weight:	478.4
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Masupirdine free base (SUVN-502 free base) is a potent, selective, orally bioavailable, and brain penetrant 5-HT <sub>6</sub> receptor antagonist (K <sub>i</sub> of 2.04 nM for human 5-HT <sub>6</sub> receptor). Masupirdine free base (SUVN-502 free base) shows high selectivity over 5-HT <sub>2A</sub> receptor and other 100 target sites, and has potential for treatment of Alzheimer's disease <sup>[1]</sup> .
IC <sub>50</sub> & Target	5-HT <sub>6</sub> Receptor 2.04 nM (K <sub>i</sub> )

### REFERENCES

[1]. 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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