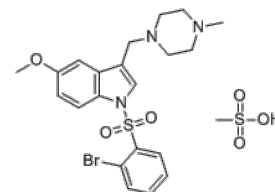


**Product Name** : SUVN-502 mesylate  
**Cat. No.** : PC-61521  
**CAS No.** : 1791396-46-7  
**Molecular Formula** : C<sub>22</sub>H<sub>28</sub>BrN<sub>3</sub>O<sub>6</sub>S<sub>2</sub>  
**Molecular Weight** : 574.505  
**Target** : 5-HT Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

SUVN-502 (Masupirdine, SUVN502) mesylate is a potent, selective, brain penetrant and orally active **5-HT<sub>6</sub>** receptor antagonist with K<sub>i</sub> of 2.04 nM.

SUVN-502 shows high selectivity over 5-HT<sub>2A</sub> receptor and other 100 target sites.

SUVN-502 produces synergistic effects in extracellular levels of acetylcholine in the ventral hippocampus combined with donepezil and memantine; shows potential for treatment of Alzheimer's disease.

## References

Nirogi R, et al. *J Med Chem*. 2017 Mar 9;60(5):1843-1859.

Nirogi R, et al. *J Pharm Biomed Anal*. 2017 Apr 14;145:423-430.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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