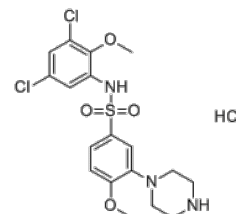


**Product Name** : SB-399885 hydrochloride  
**Cat. No.** : PC-63484  
**CAS No.** : 402713-81-9  
**Molecular Formula** : C<sub>18</sub>H<sub>22</sub>Cl<sub>3</sub>N<sub>3</sub>O<sub>4</sub>S  
**Molecular Weight** : 482.801  
**Target** : 5-HT Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

SB-399885 hydrochloride is a potent, selective, brain penetrant **5-HT<sub>6</sub>** receptor antagonist with pK<sub>i</sub> of 9.11 and 9.02 for human recombinant and native 5-HT<sub>6</sub> receptors.

SB-399885 is a potent competitive antagonist (pA(2)=7.85), displays over 200-fold selectivity over other receptors. SB-399885 significantly increases extracellular acetylcholine levels in rat medial prefrontal cortex, exhibits cognitive enhancing properties in recognition models.

SB-399885 also is an inhibitor of HCV entry in liver-derived cell lines as well as primary hepatocytes, modulates localization of the coreceptor tight junction protein claudin-1 (CLDN1) in a 5-HT<sub>6</sub>-independent manner, induces intracellular accumulation of CLDN1.

## References

- Wesołowska A, et al. *Eur J Pharmacol.* 2008 Mar 17;582(1-3):88-93.
- Riva L, et al. *J Virol.* 2018 Apr 27;92(10). pii: e01982-17.
- Hirst WD, et al. *Eur J Pharmacol.* 2006 Dec 28;553(1-3):109-19.
- Wesołowska A, et al. *Neuropharmacology.* 2007 Apr;52(5):1274-83.

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

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