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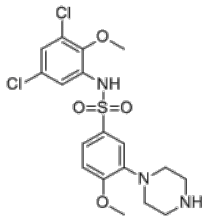
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	SB-399885
Cat. No.	:	PC-63483
CAS No.	:	402713-80-8
Molecular Formula	:	$C_{18}H_{21}Cl_2N_3O_4S$
Molecular Weight	:	446.343
Target	:	5-HT Receptor
Solubility	:	10 mM in DMSO



Biological Activity

SB-399885 is a potent, selective, brain penetrant **5-HT6** receptor antagonist with pKi of 9.11 and 9.02 for human recombinant and native 5-HT6 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-HT6-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.

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