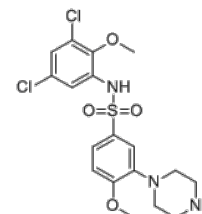


Product Name : SB-399885
Cat. No. : PC-63483
CAS No. : 402713-80-8
Molecular Formula : C₁₈H₂₁Cl₂N₃O₄S
Molecular Weight : 446.343
Target : 5-HT Receptor
Solubility : 10 mM in DMSO



Biological Activity

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

SB-399885 is a potent competitive antagonist (pA₂)=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

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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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