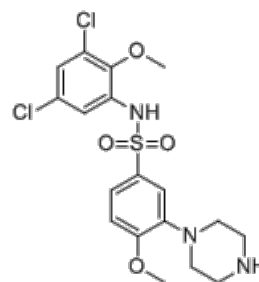


Product Name	: SB-399885
Synonyms	: SB399885
Cat No.	: M14378
CAS Number	: 402713-80-8
Molecular Formula	: C ₁₈ H ₂₁ Cl ₂ N ₃ O ₄ S
Formula Weight	: 446.34
Chemical Name	: N-(3,5-dichloro-2-methoxyphenyl)-4-methoxy-3-piperazin-1-ylbenzenesulfonamide



Description	: SB-399885 is a potent, selective, brain penetrant 5-HT ₆ receptor antagonist with pK _i of 9.11 and 9.02 for human recombinant and native 5-HT ₆ receptors; SB-399885 is a potent competitive antagonist (pA(2)=7.85), displays over 200-fold selectivity over other receptors; significantly increases extracellular acetylcholine levels in rat medial prefrontal cortex, exhibits cognitive enhancing properties in recognition models; 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 ₆ -independent manner, induces intracellular accumulation of CLDN1.
Pathway	: Endocrinology/Hormones
Target	: 5-HT Receptor
Receptor	: 5-HT Receptor
Solubility	: —
SMILES	: <chem>COC1=C(C=C(C=C1)S(=O)(=O)NC2=CC(=CC(=C2OC)Cl)Cl)N3CCNCC3.Cl</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Wesoowska A, et al. Eur J Pharmacol. 2008 Mar 17;582(1-3):88-93. | 2. Riva L, et al. J Virol. 2018 Apr 27;92(10). pii: e01982-17. | 3. Hirst WD, et al. Eur J Pharmacol. 2006 Dec 28;553(1-3):109-19. | 4. Wesoowska A, et al. Neuropharmacology. 2007 Apr;52(5):1274-83.