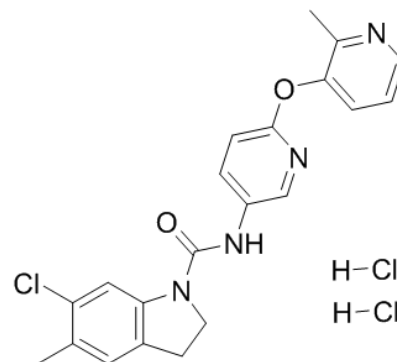


Product Name : SB 242084 hydrochloride
Cat. No. : PC-43516
CAS No. : 1049747-87-6
Molecular Formula : C₂₁H₂₁Cl₃N₄O₂
Molecular Weight :
Target : 5-HT Receptor
Solubility : 10 mM in DMSO



Biological Activity

SB 242084 is a potent, selective, brain penetrant 5-HT_{2C} receptor antagonist with pK_i of 9.0, 100- and 158-fold selectivity over the closely related 5-HT_{2B} and 5-HT_{2A} subtypes; also displays >100-fold selectivity over a range of other 5-HT, dopamine and adrenergic receptors; inhibits 5-HT-stimulated phosphatidylinositol hydrolysis with pK_b of 9.3 in cell-based assays; potently inhibits m-chlorophenylpiperazine (mCPP)-induced hypolocomotion in rats, with an ID₅₀ of 0.11 mg/kg i.p., and 2.0 mg/kg p.o.

References

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Di Matteo V, et al. *Neuropharmacology.* 1999 Aug;38(8):1195-205.
Higgins GA, et al. *Br J Pharmacol.* 2001 Jun;133(4):459-66.

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

E-mail: tech@probechem.com