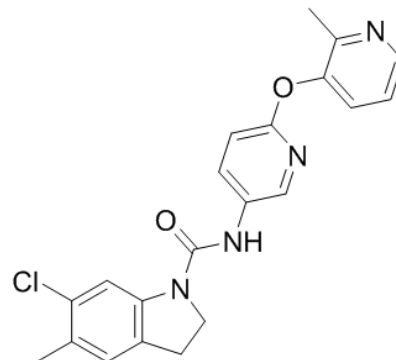


Product Name : SB 242084
Cat. No. : PC-43515
CAS No. : 181632-25-7
Molecular Formula : C₂₁H₁₉ClN₄O₂
Molecular Weight : 394.86
Target : 5-HT Receptor
Solubility : DMSO: ≥ 44 mg/mL



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.

SB 242084 also displays >100-fold selectivity over a range of other 5-HT, dopamine and adrenergic receptors.

SB 242084 inhibits 5-HT-stimulated phosphatidylinositol hydrolysis with pK_b of 9.3 in cell-based assays.

SB 242084 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

Bromidge SM, et al. *J Med Chem.* 1997 Oct 24;40(22):3494-6.

Kennett GA, et al. *Neuropharmacology.* 1997 Apr-May;36(4-5):609-20.

Di Matteo V, et al. *Neuropharmacology.* 1999 Aug;38(8):1195-205.

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

E-mail: tech@probechem.com