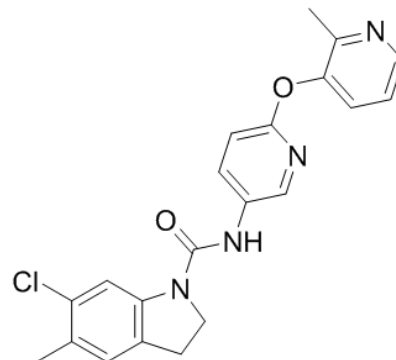


**Product Name** : SB 242084  
**Cat. No.** : PC-43515  
**CAS No.** : 181632-25-7  
**Molecular Formula** : C<sub>21</sub>H<sub>19</sub>ClN<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** :  
**Target** : 5-HT Receptor  
**Solubility** : DMSO: ≥ 44 mg/mL



## Biological Activity

SB 242084 is a potent, selective, brain penetrant 5-HT<sub>2C</sub> receptor antagonist with pK<sub>i</sub> of 9.0, 100- and 158-fold selectivity over the closely related 5-HT<sub>2B</sub> and 5-HT<sub>2A</sub> 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<sub>b</sub> of 9.3 in cell-based assays; potently inhibits m-chlorophenylpiperazine (mCPP)-induced hypolocomotion in rats, with an ID<sub>50</sub> 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!**

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