**Product Data Sheet**

**Product Name:** CP-809101 hydrochloride

**CAS No.:** 1215721-40-6

**Cat. No.:** HY-15543A

**MWT:** 341.24

**Formula:** C15H18Cl2N4O

**Purity:** >98%

**Solubility:** DMSO 100 mM  water 20 mM

**Mechanisms:** Pathways: Neuronal Signaling; Target: 5-HT Receptor
Pathways: GPCR/G protein; Target: 5-HT Receptor

**Biological Activity:**

CP-809101 Hcl is a potent and selective 5-HT2C receptor agonist with pEC50 of 9.96/7.19/6.81 for human 5-HT2C/5-HT2B/5-HT2A receptors respectively. IC50 Value: 9.96(pEC50 for 5-HT2C); 7.19(pEC50 for 5-HT2B); 6.81(pEC50 for 5-HT2A)

Target: 5-HT2C Receptor

CP-809101 is a potent, functionally selective 5-HT2C agonist that displays approximately 100% efficacy in vitro. The aim of the present studies was to assess the efficacy of a selective 5-HT2C agonist in animal models predictive of antipsychotic-like efficacy and side-effect liability. Similar to currently available antipsychotic drugs, CP-809101 dose-dependently inhibited conditioned avoidance responding (CAR, ED50 = 4.8 mg/kg, sc). CP-809101 antagonized both PCP- and d-amphetamine-induced hyperactivity with ED50 values of 2.4 and 2.9 mg/kg (sc), respectively and also reversed an apomorphine induced-deficit in prep...

**References:**


[4]. Siuciak JA, Chapin DS, McCarthy SA, et al. CP-809,101, a selective 5-HT2...

**Caution:** Not fully tested. For research purposes only

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