

CP-809101 (hydrochloride)

Catalog No: tcsc1221

Available Sizes

Size: 10mg

Size: 50mg

ΞSp

Specifications

CAS No: 1215721-40-6

Formula:

 $C_{15}H_{18}CI_2N_4O$

Pathway: Neuronal Signaling;GPCR/G Protein

Target:

5-HT Receptor;5-HT Receptor

Purity / Grade:

>98%

Observed Molecular Weight:

341.24

Product Description

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.

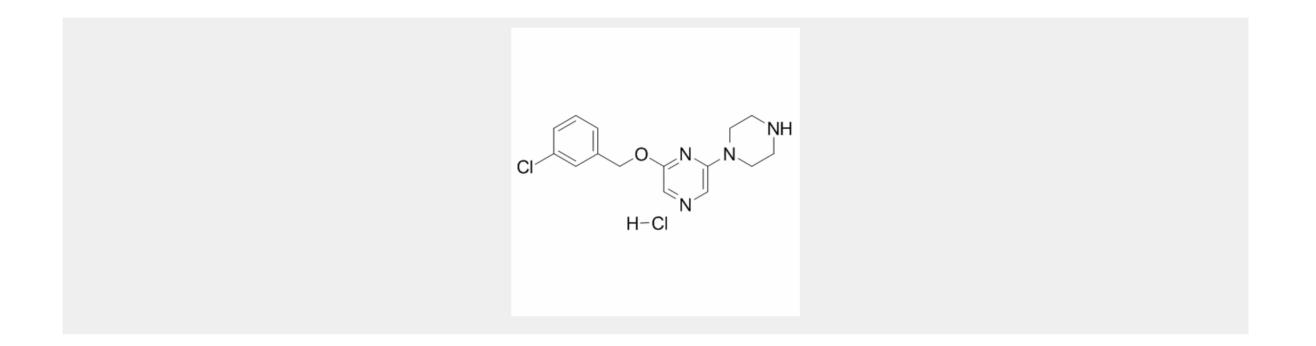
IC50 Value: 9.96(pEC50 for 5-HT2C); 7.19(pEC50 for 5-HT2B); 6.81(pEC50 for 5-HT2A)

Target: 5-HT2C Receptor

Copyright 2021 Taiclone Biotech Corp.



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 prepulse inhibition. At doses up to 56 mg/kg, CP-809101 did not produce catalepsy. Thus, the present results demonstrate that the 5-HT2C agonist, CP-809101, has a pharmacological profile similar to that of the atypical antipsychotics with low extrapyramidal symptom liability. CP-809101 was inactive in two animal models of antidepressant-like activity, the forced swim test and learned helplessness.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!

Copyright 2021 Taiclone Biotech Corp.