

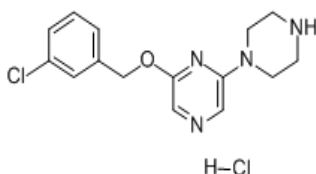
Product Data Sheet

Product Name: CP-809101 hydrochloride

CAS No.: 1215721-40-6

Cat. No.: CS-1221

Structure



MWt: 341.24

Formula: C₁₅H₁₈Cl₂N₄O

Solubility: DMSO 100 mM water 20 mM

Purity : >98%

Biological Activity:

CP-809101 is a potent and selective 5-HT_{2C} receptor agonist (pEC₅₀ values are 9.96, 7.19 and 6.81 for human 5-HT_{2C}, 5-HT_{2B} and 5-HT_{2A} receptors respectively). CP-809101 displays antipsychotic activity; suppresses condition avoidance responding (CAR) and inhibits PCP and amphetamine-stimulated hyperactivity in rats following subcutaneous administration.

References:

- [1]. Higgins GA, Silenieks LB, Lau W, et al. Evaluation of chemically diverse 5-HT_{2C} receptor agonists on behaviours motivated by food and nicotine and on side effect profiles. *Psychopharmacology (Berl)*. 2013 Apr;226(3):475-90.
- [2]. Strong PV, Christianson JP, Loughridge AB, et al. 5-hydroxytryptamine 2C receptors in the dorsal striatum mediate stress-induced interference with negatively reinforced instrumental escape behavior. *Neuroscience*. 2011 Dec 1;197:132-44. doi: 10.1016/j.neuroscience.2011.09.041. Epub 2011 Sep 24.
- [3]. Fletcher PJ, Tampakeras M, Sinyard J et al. Characterizing the effects of 5-HT(2C) receptor ligands on motor activity and feeding behaviour in 5-HT(2C) receptor knockout mice. *Neuropharmacology*. 2009 Sep;57(3):259-67. doi: 10.1016/j.neuropharm.2009.05.011.
- [4]. Siuciak JA, Chapin DS, McCarthy SA, et al. CP-809,101, a selective 5-HT_{2C}...

Caution: Not fully tested. For research purposes only

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