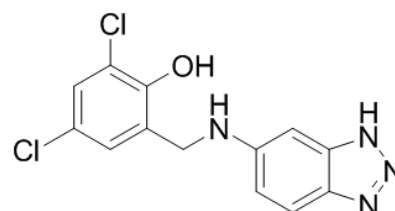


Product Name : IC-87201
Cat. No. : PC-42163
CAS No. : 866927-10-8
Molecular Formula : C₁₃H₁₀Cl₂N₄O
Molecular Weight : 309.1507
Target : Nitric Oxide Synthase (NOS)
Solubility : DMSO: ≥ 28 mg/mL



Biological Activity

IC-87201 (IC87201) is a small molecule inhibitor of **PSD-95/nNOS** interaction with IC₅₀ of 31 uM, without inhibiting nNOS catalytic activity.

IC-87201 dose-dependently blocks NMDA-induced increase in cGMP production in hippocampal cultures with IC₅₀ of 2.7 uM.

IC-87201 inhibits NMDA-induced thermal hyperalgesia in mice with no effect on acute pain thresholds or motor coordination, also reverses mechanical allodynia induced by chronic constriction of the sciatic nerve.

References

Florio SK, et al. *Br J Pharmacol.* 2009 Sep;158(2):494-506.

Doucet MV, et al. *Neuropsychopharmacology.* 2013 Jul;38(8):1575-84.

Bach A, et al. *Sci Rep.* 2015 Jul 16;5:12157.

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

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