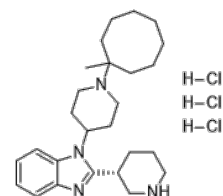


Product Name : MCOPPB trihydrochloride
Cat. No. : PC-26682
CAS No. : 1108147-88-1
Molecular Formula : C₂₆H₄₃Cl₃N₄
Molecular Weight : 518.01
Target : Opioid Receptor
Solubility : 10 mM in DMSO



Biological Activity

MCOPPB trihydrochloride is potent, selective nociceptin/orphanin FQ peptide receptor (NOP receptor) with pK_i of 10.07, shows 12-, 270- and >1000-fold selectivity over opioid receptors micro-, kappa-, and delta-receptor, respectively. MCOPPB (10 mg/kg, p.o.) inhibited signaling through the NOP receptor in the mouse brain, suggesting that it penetrated into the brain after it was orally administered.

MCOPPB (10 mg/kg, p.o.) and diazepam (3 mg/kg, p.o.) elicited anxiolytic-like effects in mouse Vogel conflict test. MCOPPB at an oral dose of 10 mg/kg did not affect locomotor activity or memory, nor did it contribute to ethanol-induced hypnosis.

References

Hirao A, et al. J Pharmacol Sci. 2008 Mar;106(3):361-8.

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

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