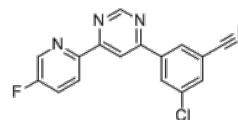


Product Name : HTL14242
Cat. No. : PC-49746
CAS No. : 1644645-32-8
Molecular Formula : C₁₆H₈ClFN₄
Molecular Weight : 310.72
Target : mGluR
Solubility : 10 mM in DMSO



Biological Activity

HTL14242 (HTL0014242) a potent, selective **mGlu5** negative allosteric modulator (NAM) with pKi of 9.3 and pIC₅₀ of 9.2, shows high selectivity within the metabotropic family of GPCRs.

HTL14242 displays 10-100 fold lower affinities and potencies than mavoglurant (pKi 8.0, pIC₅₀ 8.0) and dipraglurant (pKi 6.9, pIC₅₀ 6.9).

HTL0014242 (oral dose of 3 mg/kg) demonstrated 80% mGlu5 target receptor occupancy and in rats.

References

Bennett KA, et al. *Adv Pharmacol.* 2020;88:35-58.

Bennett KA, et al. *J Pharmacol Exp Ther.* 2021 Apr;377(1):157-168.

Christopher JA, et al. *J Med Chem* 58:6653–6664.

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

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