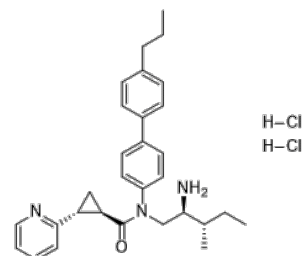


Product Name : 2-PCCA hydrochloride
Cat. No. : PC-22286
CAS No. : 1609563-71-4
Molecular Formula : C₃₀H₃₉Cl₂N₃O
Molecular Weight : 528.56
Target : GPR88
Solubility : 10 mM in DMSO



Biological Activity

2-PCCA hydrochloride is a potent, selective agonist of the orphan GPR88 receptor with EC₅₀ of 877 nM. 2-PCCA inhibits isoproterenol-stimulated cAMP accumulation in a concentration-dependent manner in cells expressing GPR88 through a G α i-coupled pathway. 2-PCCA dose-dependently decreases the locomotor activity in rats at 0.1-3.2mg/kg, also decreases methamphetamine-induced hyperactivity combined with methamphetamine. 2-PCCA does not alter the behavioral effects of methamphetamine in rats alone.

References

- Li JX, et al. Eur J Pharmacol. 2013 Jan 5;698(1-3):272-7.
Jin C, et al. ACS Chem Neurosci. 2014 Jul 16;5(7):576-87.

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

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