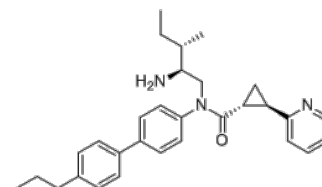


**Product Name** : 2-PCCA  
**Cat. No.** : PC-61115  
**CAS No.** : 1287205-42-8  
**Molecular Formula** : C<sub>30</sub>H<sub>37</sub>N<sub>3</sub>O  
**Molecular Weight** : 455.646  
**Target** : GPR88  
**Solubility** : 10 mM in DMSO



## Biological Activity

2-PCCA is a potent, selective agonist of the orphan **GPR88** receptor with EC<sub>50</sub> of 877 nM.

2-PCCA inhibits isoproterenol-stimulated cAMP accumulation in a concentration-dependent manner in cells expressing GPR88 through a G $\alpha$ 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.

Jin C, et al. *ACS Chem Neurosci.* 2016 Oct 19;7(10):1418-1432.

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

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