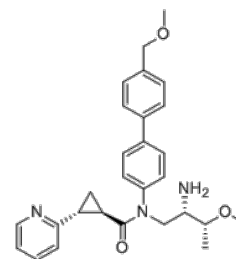


Product Name : RTI-13951-33
Cat. No. : PC-35398
CAS No. : 2244884-08-8
Molecular Formula : C₂₈H₃₃N₃O₃
Molecular Weight : 459.59
Target : GPR88
Solubility : 10 mM in DMSO

2. Ye N, et al. *ACS Chem Neurosci*. 2018 Dec 12. doi:



Biological Activity

RTI-13951-33 is a potent, selective, brain-penetrant agonist of the orphan receptor **GPR88** with EC₅₀ of 25 nM in in vitro cAMP functional assay.

RTI-13951-33 displays no significant off-target activity at 38 GPCRs, ion channels, and neurotransmitter transporters.

RTI-13951-33 exhibits enhanced aqueous solubility compared to (1R,2R)-2-PCCA (2) and had favorable pharmacokinetic properties for behavioral assessment.

RTI-13951-33 significantly reduces alcohol self-administration and alcohol intake in a dose-dependent manner without effects on locomotion and sucrose self-administration in rats

References

Jin C, et al. *J Med Chem*. 2018 Jul 16. doi: 10.1021/acs.jmedchem.8b00566.
10.1021/acschemneuro.8b00572.

