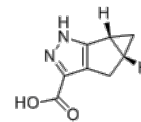


Product Name : MK-1903
Cat. No. : PC-21427
CAS No. : 1268882-43-4
Molecular Formula : C₈H₈N₂O₂
Molecular Weight : 164.16
Target : GPR109A (Niacin Receptor 1)
Solubility : 10 mM in DMSO



CAS: 1268882-43-4

Biological Activity

MK-1903 is potent and selective agonist of **GPR109a** (HCAR2) with EC₅₀ of 12.9 nM, E_{max} 102%.
MK-1903 exhibits no inhibition or binding against a standard panel of GPCRs and ion channels (PanLabs).
MK-1903 is more potent than niacin in the cell based assays.
MK-1903 induces robust decrease in plasma free fatty acids and produces the expected flush response in vivo.

References

Boatman PD, et al. *J Med Chem*. 2012 Apr 26;55(8):3644-66.
Brett Lauring, et al. *Sci Transl Med*. 2012 Aug 22;4(148):148ra115.
Viatchenko-Karpinski V, et al. *Glia*. 2022 Apr;70(4):634-649.

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

E-mail: tech@probechem.com