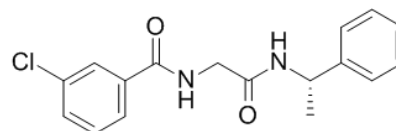


Product Name : JNJ-63533054
Cat. No. : PC-45741
CAS No. : 1802326-66-4
Molecular Formula : C₁₇H₁₇ClN₂O₂
Molecular Weight : 316.7821
Target : GPR139
Solubility : 10 mM in DMSO



Biological Activity

JNJ-63533054 (JNJ63533054) is a potent, selective **GPR139** agonist that specifically activates human GPR139 in the calcium mobilization with EC₅₀ of 16 nM.

JNJ-63533054 shows similar potency for rat and mouse GPR139 receptor (rat EC₅₀ =63 nM, mouse EC₅₀=28 nM).

JNJ-63533054 decreases spontaneous locomotor activity in rats; shows no cross-reactivity in a panel of 50 known GPCRs, ion channels, and transporters, and displays suitable pharmacokinetic properties for in vivo studies.

JNJ-63533054 is CNS-penetrable and orally bioavailable.

References

Liu C, et al. *Mol Pharmacol*. 2015 Nov;88(5):911-25.

Dvorak CA, et al. *ACS Med Chem Lett*. 2015 Jul 20;6(9):1015-8.

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

E-mail: tech@probechem.com