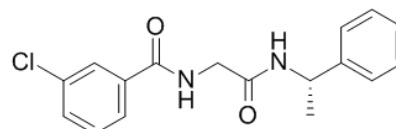


**Product Name** : JNJ-63533054  
**Cat. No.** : PC-45741  
**CAS No.** : 1802326-66-4  
**Molecular Formula** : C<sub>17</sub>H<sub>17</sub>ClN<sub>2</sub>O<sub>2</sub>  
**Molecular Weight** : 316.7821  
**Target** : GPR139  
**Solubility** : 10 mM in DMSO



## Biological Activity

JNJ-63533054 (JNJ63533054) is a potent, selective **GPR139** agonist that specifically activates human GPR139 in the calcium mobilization with EC<sub>50</sub> of 16 nM.

JNJ-63533054 shows similar potency for rat and mouse GPR139 receptor (rat EC<sub>50</sub> =63 nM, mouse EC<sub>50</sub>=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!**

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