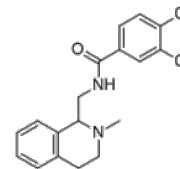


Product Name : BPR1M97
Cat. No. : PC-38589
CAS No. : 2059904-66-2
Molecular Formula : C₁₈H₁₈Cl₂N₂O
Molecular Weight : 349.25
Target : Opioid Receptor
Solubility : 10 mM in DMSO



Biological Activity

BPR1M97 is a dual-acting mu-opioid receptor (MOP) and nociceptin-orphanin FQ peptide (NOP) receptor agonist with Ki values of 1.8 and 4.2 nM, respectively.

BPR1M97 elicited full agonist properties for all cell-based assays tested in MOP-expressing cells.

BPR1M97 acted as a G protein-biased agonist for NOP.

BPR1M97 initiated faster antinociceptive effects after subcutaneous injection and elicited better analgesia in cancer-induced pain than morphine.

BPR1M97 caused less respiratory, cardiovascular, and gastrointestinal dysfunction, compared with morphine.

References

Po-Kuan Chao, et al. Neuropharmacology. 2020 Apr;166:107678.

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

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