

Product Datasheet

BPR1M97 (orb1710219)

Catalog Number	orb1710219
Category	Small Molecules
Description	BPR1M97 is a potent, brain-penetrant dual agonist of the mu opioid (MOP, $K_i=1.8$ nM) and nociceptin/orphanin FQ peptide (NOP, $K_i=4.2$ nM) receptors. This small molecule exhibits both antinociceptive and anti-injurious properties in preclinical research, making it a valuable tool for studying pain mechanisms and opioid-related neurobiology in vitro and in vivo.
Target	Opioid Receptor
Purity	98.13% (May vary between batches)
MW	349.25
Target Areas	Opioid Receptor
Solubility (25°C)	DMSO:225 mg/mL (644.24 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:5 mg/mL (14.32 mM)
CAS Number	2059904-66-2
Formula	$C_{18}H_{18}Cl_2N_2O$
SMILES	<chem>CN1CCc2ccccc2C1CNC(=O)c1ccc(Cl)c(Cl)c1</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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