

Product Datasheet

Samidorphan HCl (orb1944847)

Catalog Number	orb1944847
Category	Small Molecules
Description	Samidorphan HCl is a potent, orally bioavailable modulator of the opioid system, acting as a μ -opioid receptor antagonist and a partial agonist at κ - and δ -opioid receptors. It is investigated in preclinical research for its potential role in addressing schizophrenia and opioid-related disorders through in vitro binding assays and in vivo behavioral studies.
Target	Opioid Receptor
Purity	96.79% (May vary between batches)
MW	406.9
Target Areas	Opioid Receptor
Solubility (25°C)	DMSO:50 mg/mL (122.88 mM)
CAS Number	2328045-02-7
Formula	C ₂₁ H ₂₇ ClN ₂ O ₄
SMILES	<chem>O[C@@]12[C@]3(CC(CC2)=O)C4=C(O)C(C(N)=O)=CC=C4C[C@@]1([H])N(CC3)C5CC5.Cl</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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