

Product Datasheet

Lurasidone hydrochloride (orb1307576)

Catalog Number	orb1307576
Category	Small Molecules
Description	Lurasidone HCl is an atypical antipsychotic and thiazole derivative with a multi-receptor profile, acting as an antagonist at dopamine D2, serotonin 5-HT2/5-HT7, and adrenergic α 2 receptors, and a partial agonist at 5-HT1A receptors. It is widely used in preclinical research for studying schizophrenia and bipolar disorder mechanisms, employing both in vitro binding assays and in vivo behavioral models.
Target	Norepinephrine,Dopamine Receptor,5-HT Receptor
Purity	>99.99% (May vary between batches)
MW	529.14
Target Areas	Dopamine Receptor Norepinephrine 5-HT Receptor
Solubility (25°C)	DMSO:5.3 mg/mL (10.02 mM)
CAS Number	367514-88-3
Formula	$C_{28}H_{36}N_4O_2S \cdot HCl$
SMILES	<chem>Cl.O=C1[C@H]2[C@@H]3CC[C@@H](C3)[C@H]2C(=O)N1C[C@@H]1CCCC[C@H]1CN1CCN(CC1)c1nsc2cccc12</chem>
Storage	Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

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