

Product Datasheet

Itraconazole (orb1310057)

Catalog Number	orb1310057
Category	Small Molecules
Description	Itraconazole (R51211) is an orally active triazole antifungal agent that also acts as a Hedgehog pathway antagonist, an OSBP inhibitor, and a cytochrome P450 enzyme inhibitor. It is widely used in research for studying antifungal mechanisms, cancer signaling pathways, and lipid transport in both in vitro and in vivo models.
Target	GPCR
Form/Appearance	powder
Purity	>98%
MW	705.6
Biological Activity	Autophagy inducer; Inhibits glioblastoma growth
Target Areas	Antibiotic Antibacterial Autophagy Antifungal Hedgehog/Smoothened Cytochromes P450
Solubility (25°C)	Soluble in DMSO (up to 1.5 mg/ml with warming)
CAS Number	84625-61-6
Formula	C ₃₅ H ₃₈ Cl ₂ N ₈ O ₄
SMILES	<chem>C([C@]1(O[C@@H](COC2=CC=C(C=C2)N3CCN(CC3)C4=CC=C(C=C4)N5C(=O)N(C(C(C)C)N=C5)CO1)C6=C(Cl)C=C(Cl)C=C6)N7C=NC=N7</chem>
Storage	-20°C
Note	For research use only

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Expiration Date 12 months from date of receipt.

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