

Product Datasheet

Oxiconazole (orb1705478)

Catalog Number	orb1705478
Category	Small Molecules
Description	Oxiconazole is a broad-spectrum imidazole antifungal agent that exerts fungicidal activity by inhibiting lanosterol 14- α demethylase (CYP51), disrupting ergosterol biosynthesis and cell membrane integrity. It is used in research for in vitro and in vivo studies of dermatophyte and yeast infections, including models of cutaneous candidiasis and tinea.
Target	Antibiotic,Cytochromes P450,Antifungal
Purity	99.99% (May vary between batches)
MW	429.13
Target Areas	Antibiotic Cytochromes P450 Antifungal
Solubility (25°C)	DMSO:5 mg/mL (11.65 mM)
CAS Number	64211-45-6
Formula	C ₁₈ H ₁₃ Cl ₄ N ₃ O
SMILES	<chem>Clc1ccc(CO\N=C(/Cn2ccnc2)c2ccc(Cl)cc2Cl)c(Cl)c1</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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