

Product Datasheet

Terconazole (orb1224268)

Catalog Number	orb1224268
Category	Small Molecules
Description	Arecoline is a muscarinic acetylcholine receptor agonist. Arecoline induces ADP ribosylation of histones and chromatid relaxation in spleen and bone marrow cells.(In Vitro):Terconazole inhibits the growth of Candida albicans ATCC 44859 in a concentration-related manner, but with modest effects noted at levels from 0.1 to 10 µM when the yeast is grown on media favoring the cell form. The inhibitory potency of terconazole on yeast cell viability varies with the strain and species of Candida tested. The susceptibility of C. albicans ATCC 44859 to terconazole is markedly enhanced when the yeast is grown on Eagle minimum essential medium, which favors mycelium formation. There is a progression of changes, from loss of mycelia formation at 0.1 µM terconazole through complete necrosis at 100 µM. Terconazole blocks the morphogenetic transformation from the yeast into the filamentous form at concentrations of 0.008 to 0.05 microgram/mL.(In Vivo):A 3-day once-daily intravaginal application of terconazole 0.8% is usually sufficient to provide a functional therapeutic period of 7 days because of prolonged high biologically active antifungal levels in the vagina. No side effects are observed at any concentration of terconazole.
Target	Antifection
Purity	>98% (HPLC)
MW	532.46
Target Areas	14-α Demethylase
Solubility (25°C)	Soluble in DMSO
CAS Number	67915-31-5
Formula	$C_{26}H_{31}Cl_2N_5O_3$

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SMILES	<chem>CC(N1CCN(C2=CC=C(OC[C@H]3O[C@](CN4N=CN=C4)(C5=CC=C(CI)C=C5Cl)OC3)C=C2)CC1)C</chem>
Chemical Name	1-(4-(((2S,4R)-2-((1H-1,2,4-triazol-1-yl)methyl)-2-(2,4-dichlorophenyl)-1,3-dioxolan-4-yl)methoxy)phenyl)-4-isopropylpiperazine
Storage	Storage temperature: -20°C. Stability: ≥ 2 years
Note	For research use only
Expiration Date	12 months from date of receipt.

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