

Luliconazole

Catalog No: tcsc0587



Available Sizes

Size: 50mg

Size: 100mg

Size: 200mg



Specifications

CAS No:

187164-19-8

Formula:

$C_{14}H_9Cl_2N_3S_2$

Pathway:

Anti-infection

Target:

Fungal

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 41 mg/mL (115.73 mM)

Alternative Names:

NND 502

Observed Molecular Weight:

354.28

Product Description

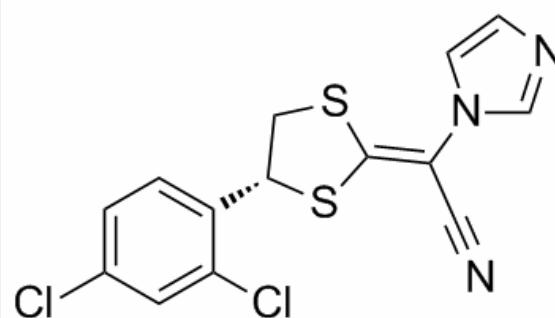
Luliconazole(NND 502) is an azole antifungal indicated for the topical treatment of interdigital tinea pedis.

IC50 Value:

Target: Antifungal

Luliconazole is an antifungal that belongs to the azole class. Although the exact mechanism of action against dermatophytes is unknown, luliconazole appears to inhibit ergosterol synthesis by inhibiting the enzyme lanosterol demethylase. Inhibition of this enzyme's activity by azoles results in decreased amounts of ergosterol, a constituent of fungal cell membranes, and a corresponding accumulation of lanosterol.

In a fertility study in rats, subcutaneous doses of 1, 5 and 25 mg/kg/day luliconazole were administered prior to and during mating and through early pregnancy. Treatment related effects on reproductive function were noted in females (decreased live embryos and decreased corpus luteum) at 5 and 25 mg/kg/day and males (decreased sperm counts) at 25 mg/kg/day. No treatment related effects on fertility or reproductive function were noted at 1 mg/kg/day (0.1X MRHD based on BSA comparisons).



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