

Terbinafine

Catalog No: tcsc1944



Available Sizes

Size: 100mg

Size: 200mg



Specifications

CAS No:

91161-71-6

Formula:

$C_{21}H_{25}N$

Pathway:

Anti-infection

Target:

Fungal

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 35 mg/mL (120.10 mM)

Alternative Names:

TDT 067

Observed Molecular Weight:

291.43

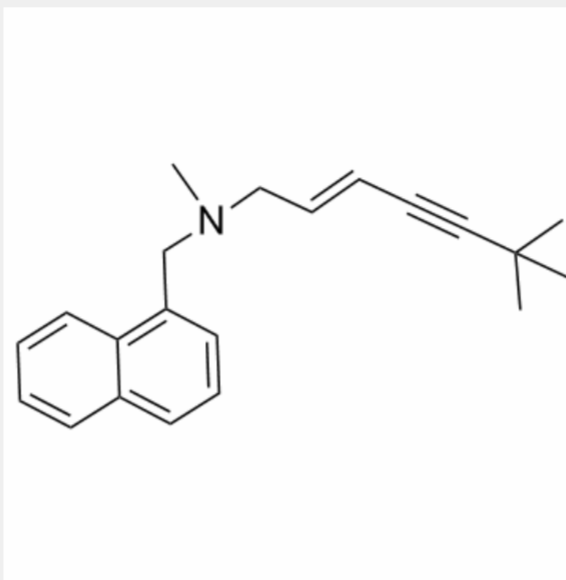
Product Description

Terbinafine (TDT 067) is an antifungal medication used to treat fungal infections. It is a potent non-competitive inhibitor of **squalene epoxidase** from *Candida* with a **K_i** of 30 nM.

IC50 & Target: Ki: 30 nM (squalene epoxidase)^[1]

In Vitro: Terbinafine has a primary fungicidal action *in vitro* against most fungal pathogens, including dermatophytes, and dimorphic and filamentous fungi. Terbinafine specifically inhibits fungal ergosterol biosynthesis at the point of squalene epoxidation. The treated fungal cells rapidly accumulate tlic intermediate squalene and become deficient in the end-product of the pathway, ergosterol^[1].

In Vivo: Terbinafine is not only active after topical application but is very effective in experimental dermatophytoses following oral administration. In fungi infected guinea-pigs, the skin temperature dropps dramatically after the fourth treatment of terbinafine^[2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!