

(+) -Ketoconazole

Catalog No: tcsc1846



Available Sizes

Size: 10mg

Size: 50mg

Size: 1g

Size: 5g



Specifications

CAS No:

142128-59-4

Formula:

$C_{26}H_{28}Cl_2N_4O_4$

Pathway:

Anti-infection;Metabolic Enzyme/Protease

Target:

Fungal;Cytochrome P450

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

531.43

Product Description

(+)-Ketoconazole is an imidazole anti-fungal agent, a CYP3A4 inhibitor.

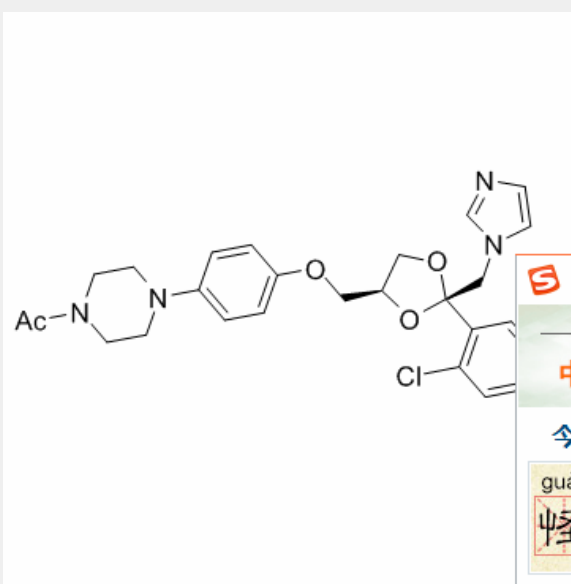
Target: CYP3A4

(+)-Ketoconazole, an imidazole anti-fungal agent, has often produced features of androgen deficiency including decreased libido, gynecomastia, impotence, oligospermia, and decreased testosterone levels, in men being treated for chronic mycotic infections [1]. (+)-Ketoconazole also is a cytochrome P450 inhibitor [2].

(+)-Ketoconazole (KTZ), on the antischistosomal potential of these quinolines against *Schistosoma mansoni* infection by evaluating parasitological, histopathological, and biochemical parameters. Mice were classified into 7 groups: uninfected untreated (I), infected untreated (II), infected treated orally with PZQ (1,000 mg/kg) (III), QN (400 mg/kg) (IV), KTZ (10 mg/kg)+QN as group IV (V), HF (400 mg/kg) (VI), and KTZ (as group V)+HF (as group VI) (VII). KTZ plus QN or HF produced more inhibition (P Clinical indications: Candida infection; Dermatophytosis; Folliculitis

FDA Approved Date:

Toxicity: teratogenesis; liver injuries; adrenal gland problems



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