Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Ketoconazole

Catalog No: tcsc1845

Available Sizes

Size: 100mg

Size: 1g

Size: 5g

Specifications

CAS No:
65277-42-1

Formula:
$C_{26}H_{28}Cl_2N_4O_4$

Pathway:
Anti-infection;Metabolic Enzyme/Protease

Target:
Fungal;Cytochrome P450

Purity / Grade:
>98%

Solubility:
DMSO : 53 mg/mL (99.73 mM; Need ultrasonic)

Alternative Names:
R-41400;(±)-Ketoconazol

Observed Molecular Weight:
531.43

Product Description

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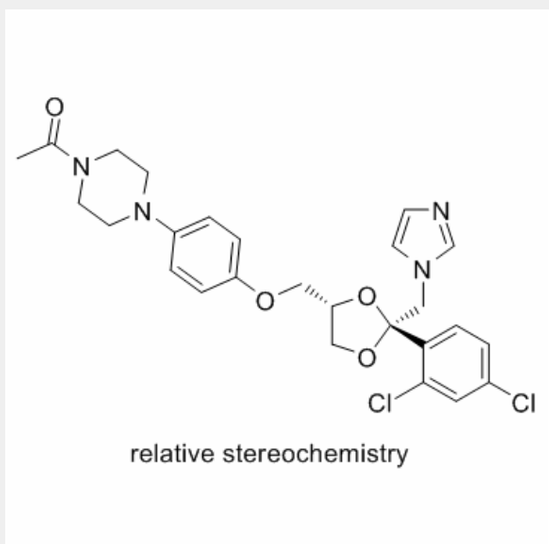
Ketoconazole is an imidazole anti-fungal agent, a CYP3A4 and CYP24A1 inhibitor.

Target: CYP3A4 CYP24A1

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



relative stereochemistry