

Fluconazole (mesylate)

Catalog No: tcsc1837



Available Sizes

Size: 100mg

Size: 500mg



Specifications

CAS No:

159532-41-9

Formula:

$C_{14}H_{16}F_2N_6O_4S$

Pathway:

Anti-infection

Target:

Fungal

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

UK 49858 mesylate

Observed Molecular Weight:

402.38

Product Description

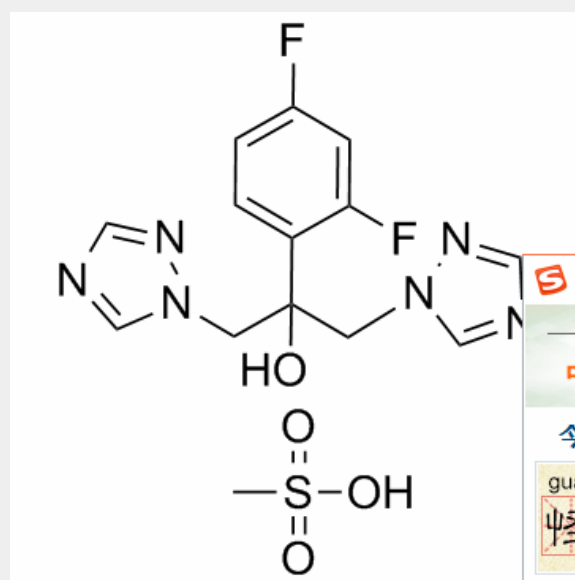
Fluconazole (mesylate) is a triazole antifungal drug used in the treatment and prevention of superficial and systemic fungal infections.

Target: Antifungal

Fluconazole (mesylate) is the mesylate salt form of fluconazole, which is a triazole antifungal intended for oral treatment of superficial and systemic mycoses. In tests done in standard mycological media, the compound had minimal inhibitory concentrations against pathogenic *Candida* species that were usually in excess of 100 mg/l. Fluconazole inhibited branching and hyphal development in *C. albicans* at concentrations as low as 10^{-6} M (0.3 mg/l), but miconazole and ketoconazole were still active in these tests at concentrations 100 times lower than this [1]. Oral fluconazole was not associated with a significantly increased risk of birth defects overall or of 14 of the 15 specific birth defects of previous concern. Fluconazole exposure may confer an increased risk of tetralogy of Fallot [2]. Fluconazole is predicted to be ineffective against *Cryptococcus gattii* in the koala as a sole therapeutic agent administered at 10 mg/kg p.o. every 12 h [3].

Clinical indications: Balanitis; Candida infection; Cryptococcus infection; Cryptococcus neoformans meningitis; Dermatomycosis; Female genital tract infection; Fungal infection; Fungal respiratory tract infection; Fungal urinary tract infection; Prophylaxis; Tinea capitis; Tinea corporis; Tinea cruris; Tinea pedis .

Toxicity: Symptoms of overdose include hallucinations and paranoid behavior.



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