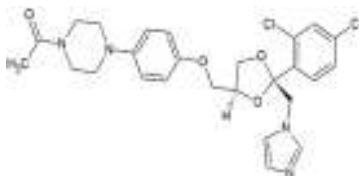


Ketoconazole

ALTERNATE NAME: Fungoral
1-[4-[4-[[[(2R,4S)-2-(2,4-dichlorophenyl)-2-(imidazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]ethanone

CATALOG #: B2735-50 50 mg
B2735-250 250 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₆H₂₈Cl₂N₄O₄

MOLECULAR WEIGHT: 531.43

CAS NUMBER: 65277-42-1

APPEARANCE: Off-white solid

PURITY: ≥98%

SOLUBILITY: ~ 2 mg/ml DMSO

DESCRIPTION: Ketoconazole is a broad-spectrum triazole antifungal agent. It inhibits the fungal cytochrome P450 (CYP) isoform CYP51, also known as lanosterol 14 α -demethylase, which arrests ergosterol biosynthesis at the fungal membrane. Ketoconazole also inhibits human CYP3A4 (IC₅₀ = 0.54 μ M). Formulations containing ketoconazole have been used in the treatment of fungal infections.

STORAGE TEMPERATURE: -20°C. Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Itraconazole (1987)
Natamycin (B2685)
Ciclopirox Olamine (B2336)
Posaconazole (9526)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*