

Itraconazole

Cat. No. CEI-0524

Lot. No. (See product label)

Introduction

Description

A synthetic broad-spectrum triazole antifungal agent with the mode of action being through Inhibition of cytochrome P450 dependent enzymes including 14 α -demethylase. Recently, it has been shown that Itraconazole inhibits Hedgehog (Hh) signaling pathway activity (IC₅₀ = 0.8 μ M) as well as blocks the VEGFR2 glycosylation, trafficking, and signaling in endothelial cells.

Synonyms

Oriconazole, R51211, Sporanox

Product Information

Appearance

Yellow solid

CAS No.

84625-61-6

Molecular Formula

C₃₅ H₃₈ Cl₂ N₈ O₄

Chemical Name

(2R,4S)-rel-1-(butan-2-yl)-4-{4-[4-(4-{[(2R,4S)-2-(2,4-dichlorophenyl)-2-(1H-1,2,4-triazol-1-yl)methyl]-1,3-dioxolan-4-yl]methoxy}phenyl)piperazin-1-yl]phenyl}-4,5-dihydro-1H-1,2,4-triazol-5-one

Molecular Weight

489.99

Purity

>98% by HPLC

Targets

Hh

Solubility

DMSO (>20 mg/ml)

Storage and Shipping Information

Storage

-20 centigrade

Shipping Conditions

Gel pack