

## 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 $\alpha$ -demethylase. Recently, it has been shown that Itraconazole inhibits Hedgehog (Hh) signaling pathway activity (IC<sub>50</sub> = 0.8  $\mu$ 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** C<sub>35</sub> H<sub>38</sub> Cl<sub>2</sub> N<sub>8</sub> O<sub>4</sub>

**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-ylmethyl)-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