Itraconazole

ALTERNATE NAME: (2R,4S)-rel-1-(butan-2-yl)-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; Oriconazole, R5121, Sporanox

CATALOG #: 1987-50, 100, 500, 1000

AMOUNT: 50 mg, 100 mg, 500 mg, 1 g

STRUCTURE: 

MOLECULAR FORMULA: C₃₅H₃₈Cl₂N₈O₄

MOLECULAR WEIGHT: 705.63

CAS NUMBER: 84625-61-6

APPEARANCE: White solid

SOLUBILITY: DMSO

PURITY: ≥97%

STORAGE: Store at -20 °C. Protect from light.

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


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

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

RELATED PRODUCTS:
- Cyclopamine (Cat. No. 1578-5)
- Cyclopamine-KAAD (Cat. No. 1910-50)
- GANT58 (Cat. No. 1812-5, 25)
- GANT61 (Cat. No. 1892-5)
- GDC-0449 (Cat. No. 1890-5, 25)
- Hh Signaling Pathway Antagonist (Cat. No. 1659-1)
- DiscoveryPak™ hedgehog Signaling Pathway Antagonists Set (Cat. No. K868-6)
- JK-184 (Cat. No. 1725-1)
- Purmorphamine (Cat. No. 1672-5)
- Robotnikinin (Cat. No. 1923-1)
- SANT-1 (Cat. No. 1978-1,5)
- SANT-2 (Cat. No. 1976-1, 5)
- Sonic Hedgehog, human recombinant (Cat. No. 4010-25, 100, 1000)
- Sonic Hedgehog, human recombinant (Cat. No. 4020-25, 100, 1000)
- Tomatidine hydrochloride (Cat. No. 1893-25)