

Product Name : Itraconazole

Synonyms : R51211

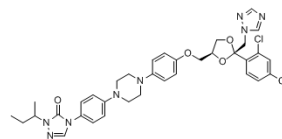
Cat No. : M16144

CAS Number : 84625-61-6

Molecular Formula : C₃₅H₃₈Cl₂N₈O₄

Formula Weight : 705.63

Chemical Name : 3H-1,2,4-Triazol-3-one, 4-[4-[4-[[[(2R,4S)-2-(2,4-dichlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]-1-piperazinyl]phenyl]-2,4-dihydro-2-(1-methylpropyl)-, rel-



Description : A triazole antifungal agent for fungal infections via inhibition of lanosterol 14 α -demethylase; also has been shown to inhibit both the hedgehog signaling pathway and angiogenesis. Fungal Infection Approved

Pathway : Microbiology/Virology

Target : Fungal

Receptor : CYP3A4

Solubility : DMSO: ≥ 7.3 mg/mL

SMILES : O=C1N(C(C)C)N=CN1C2=CC=C(N3CCN(C4=CC=C(OC[C@@H]5O[C@@](CN6N=CN=C6)(C7=CC=C(Cl)C=C7)OC5)C=C4)CC3)C=C2

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Kim J, et al. Cancer Cell. 2010 Apr 13;17(4):388-99. | 2. Aftab BT, et al. Cancer Res. 2011 Nov 1;71(21):6764-72. | 3. Chong CR, et al. ACS Chem Biol. 2007 Apr 24;2(4):263-70.