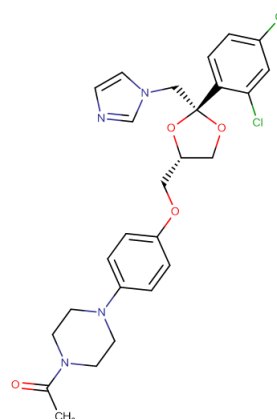


Product Name : Ketoconazole
Synonyms : R 41400
Cat No. : M15479
CAS Number : 65277-42-1
Molecular Formula : C₂₆H₂₈Cl₂N₄O₄

Formula Weight : 531.43



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

Description : Ketoconazole is an imidazole anti-fungal agent, a CYP3A4 inhibitor.

Pathway : Immunology/Inflammation

Target : Hydroxylase

Receptor : 12-hydroxylase; 17-hydroxylase; Steroid 21-hydroxylase; Testosterone 6 beta-hydroxylase; Cyclosporine oxidase; CYP24A1; CYP3A4

Solubility : Ethanol: 7 mg/mL (13.17 mM); DMSO: 3 mg/mL (5.64 mM)

SMILES : CC(N1CCN(C2=CC=C(C(OC[C@@H]3O[C@@](CN4C=CN=C4)(C5=CC=C(Cl)C=C5Cl)OC3)C=C2)CC1)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Eil C. Horm Metab Res. 1992 Aug;24(8):367-70.