

Product Name : VT-1161

Synonyms : VT1161

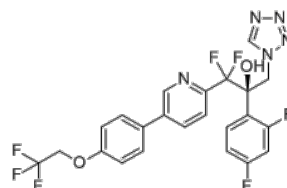
Cat No. : M11365

CAS Number : 1340593-59-0

Molecular Formula : C₂₃H₁₆F₇N₅O₂

Formula Weight : 527.40

Chemical Name : (R)-2-(2,4-difluorophenyl)-1,1-difluoro-3-(1H-tetrazol-1-yl)-1-(5-(4-(2,2,2-trifluoroethoxy)phenyl)pyridin-2-yl)propan-2-ol



Description : VT-1161 is a potent, highly-selective, and oral fungal CYP51 inhibitor with K_d of ≤ 39 nM; demonstrates >2,000-fold selectivity over human CYP51, weakly inhibits human CYP2C9, CYP2C19, and CYP3A4; exhibits excellent potency against key yeast and dermatophyte strains. Fungal Infection Phase 2 Clinical

Pathway : Microbiology/Virology

Target : Fungal

Receptor : Fungal

Solubility : —

SMILES : FC(F)(COC1=CC=CC=C1)C2=CN=C(C=C2)C(F)(F)[C@@](O)(C3=CC=CC(=C3F)F)CN4N=NN=C4)F

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Hoekstra WJ, et al. Bioorg Med Chem Lett. 2014 Aug 1;24(15):3455-8. 2. Warrilow AG, et al. Antimicrob Agents Chemother. 2014 Dec;58(12):7121-7. 3. Garvey EP, et al. Antimicrob Agents Chemother. 2015 Sep;59(9):5567-73.