

Product Name : VT-1598

Synonyms : VT1598

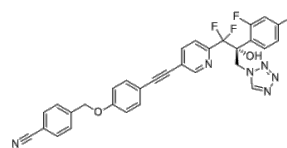
Cat No. : M13269

CAS Number : 2089320-99-8

Molecular Formula : C₃₁H₂₀F₄N₆O₂

Formula Weight : 584.54

Chemical Name : (R)-4-((4-((6-(2-(2,4-difluorophenyl)-1,1-difluoro-2-hydroxy-3-(1H-tetrazol-1-yl)propyl)pyridin-3-yl)ethynyl)phenoxy)methyl)benzonitrile



Description : VT-1598 is a potent, high-affinity, oral inhibitor of fungal sterol 14 α -demethylase (CYP51B) with K_d of 13 nM; is more selective for fungal CYP51 than related human CYP enzymes such as CYP3A4; exhibits excellent potency against yeast, dermatophyte, and mold fungal pathogens.

Pathway : Microbiology/Virology

Target : Fungal

Receptor : Fungal

Solubility : —

SMILES : C1=CC(=CC=C1COC2=CC=C(C=C2)C#CC3=CN=C(C=C3)C(C(CN4C=NN=N4)(C5=C(C=C(C=C5)F)F)O)(F)F)C#N

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Hargrove TY, et al. Antimicrob Agents Chemother. 2017 Jun 27;61(7). pii: e00570-17. | 2. Yates CM, et al. Bioorg Med Chem Lett. 2017 Aug 1;27(15):3243-3248. | 3. Wiederhold NP, et al. J Antimicrob Chemother. 2018 Feb 1;73(2):404-408.