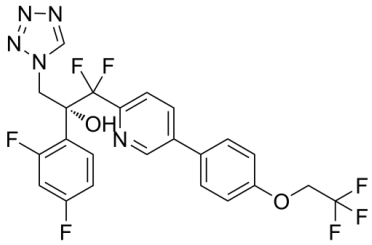
Data Sheet

Product Name:	Oteseconazole
Cat. No.:	CS-0016914
CAS No.:	1340593-59-0
Molecular Formula:	$C_{23}H_{16}F_7N_5O_2$
Molecular Weight:	527.39
Target:	Cytochrome P450; Fungal
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Solubility:	DMSO : 250 mg/mL (ultrasonic)



BIOLOGICAL ACTIVITY:

Oteseconazole (VT-1161) is a potent and orally active **anti-fungal** agent. Oteseconazole potently binds to and inhibits ***Candida albicans*** cytochrome P45051 (**CYP51**) activity (**K_d ≤39 nM**), shows no obvious effect on human CYP51. Oteseconazole also can be used for the research of dermatophytes[1][2]. ***In Vivo:***Oteseconazole (5-25 mg/kg, p.o., daily, 9 days) effectively inhibits mycological growth and improves the clinical signs of infection in guinea pigs infected with ***T. mentagrophytes***[2].

References:

[1]. Warrilow AG, et al. The clinical candidate VT-1161 is a highly potent inhibitor of Candida albicans CYP51 but fails to bind the human enzyme. Antimicrob Agents Chemother. 2014 Dec;58(12):7121-7.

[2]. Garvey EP, et al. VT-1161 dosed once daily or once weekly exhibits potent efficacy in treatment of dermatophytosis in a guinea pig model. Antimicrob Agents Chemother. 2015 Apr;59(4):1992-7.

CAIndexNames:

2-Pyridineethanol, α-(2,4-difluorophenyl)-β,β-difluoro-α-(1H-tetrazol-1-ylmethyl)-5-[4-(2,2,2-trifluoroethoxy)phenyl]-, (αR)-

SMILES:

O[C@@](CN1C=NN=N1)(C(C=CC(F)=C2)=C2F)C(F)(C3=CC=C(C4=CC=C(OCC(F)(F)F)C=C4)C=N3)F

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 610-426-3128 Fax: 888-484-5008 E-mail: sales@ChemScene.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA