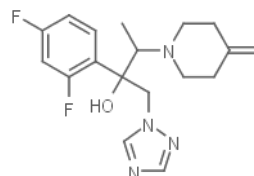


Product Name	: Efinaconazole
Synonyms	: KP103; KP-103; CTK5J2975; AGJ95634; Efinaconazole
Cat No.	: M17358
CAS Number	: 164650-44-6
Molecular Formula	: C ₁₈ H ₂₂ F ₂ N ₄ O
Formula Weight	: 348.34
Chemical Name	: (2R,3R)-2-(2,4-difluorophenyl)-3-(4-methylenepiperidin-1-yl)-1-(1H-1,2,4-triazol-1-yl)butan-2-ol
Description	Efinaconazole is a triazole antifungal. It is approved for use in Canada and the USA as a 10% topical solution for the treatment of onychomycosis (fungal infection of the nail). Efinaconazole acts as a 14α-demethylase inhibitor. Efinaconazole inhibits fungal lanosterol 14α-demethylase involved in the biosynthesis of ergosterol, a constituent of fungal cell membranes. Efinaconazole has been shown to be active against isolates of the following microorganisms, both in vitro and in clinical infections. Efinaconazole exhibits in vitro minimum inhibitory concentrations (MICs) of 0.06 μg/mL or less against most ($\geq$ 90%) isolates of the following microorganisms: Trichophyton rubrum; Trichophyton mentagrophytes.
Pathway	: Angiogenesis
Target	: PDGFR
Receptor	: Antifungle
Solubility	: DMSO : $\geq$ 100 mg/mL; 287.03 mM
SMILES	: <chem>C=C1CCN(CC1)[C@@H]([C@@](c1ccc(cc1F)F)(Cn1cncn1)O)C</chem>
Storage	: (-20°C)
Stability	: $\geq$ 2 years
Reference	:



1. Tatsumi Y, et al. Antimicrob Agents ChemOthers. 2013 May;57(5):2405-9.