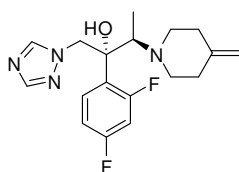




Certificate of Analysis

Axon Catalogue ID: 3369 **Batch Number:** 1
Product Name: Eфинаconazole
Alternative Name(s): KP103
IUPAC Name: (2R,3R)-2-(2,4-Difluorophenyl)-3-(4-methylenepiperidin-1-yl)-1-(1H-1,2,4-triazol-1-yl)butan-2-ol

Structure:



Amount:

CAS number(s): 164650-44-6
Molecular Formula: C₁₈H₂₂F₂N₄O **Molecular Weight:** 348.39
Batch Molecular Formula: C₁₈H₂₂F₂N₄O **Batch Molecular Weight:** 348.39
Appearance: White solid **Observed mp:** 87.2 - 88.4 °C
TLC (R_f): 0.26 Hex/EtOAc (4:1)
Chemical Purity: 100%
Optical Purity (ee): Optically pure
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 62.05, H 6.36, N 16.08; Found: C 62.13, H 6.47, N 16.27
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	2.7	7.7	* Warming (40°C) and sonication
	DMSO	34.8	>100 mM	
	EtOH			Not Tested

Remarks: * Warming (40°C) and sonication enhanced solubility.

QC Date: 17-05-2021

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only