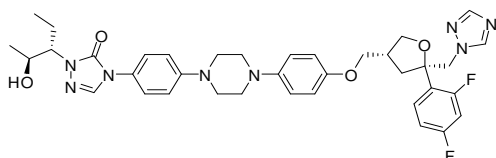




Certificate of Analysis

Axon Catalogue ID: 1557 **Batch Number:** 1
Product Name: Posaconazole
Alternative Name(s): SCH 56592; Noxafil
IUPAC Name: 4-(4-(4-(((3R,5R)-5-((1H-1,2,4-Triazol-1-yl)methyl)-5-(2,4-difluorophenyl)tetrahydrofuran-3-yl)methoxy)phenyl)piperazin-1-yl)phenyl)-1-((2S,3S)-2-hydroxypentan-3-yl)-1H-1,2,4-

Structure:



Amount:

CAS number(s): 171228-49-2
Molecular Formula: C₃₇H₄₂F₂N₈O₄ **Molecular Weight:** 700.78
Batch Molecular Formula: C₃₇H₄₂F₂N₈O₄ **Batch Molecular Weight:** 700.78
Appearance: White solid **Observed mp:** 168.1 - 169.3 °C
TLC (R_f): 0.4 DCM/MeOH (9:1)
Chemical Purity: 99.0%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 63.42, H 6.04, N 5.42; Found: C ND, H ND, N ND
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	70.0	99.9	
	EtOH			Not Tested

Remarks:

QC Date: 01-04-2020

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