

Certificate of Analysis

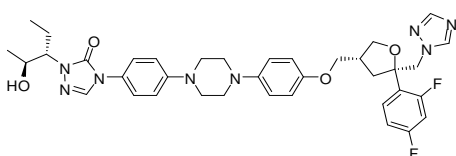
Axon Catalogue ID: 1557 **Batch Number:** 2

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-triazol-5(4H)-one

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:** 168.6 - 169.4 °C

TLC (R_f): 0.65 DCM/MeOH (9:1)

Chemical Purity: 99.8%

Optical Purity (ee): Optically pure

Optical Rotation (Det.): [α]_D = -29.7° with c = 1 in CHCl₃

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 63.41, H 6.04, N 15.99; Found: C 63.43, H 5.81, N 16.05

Storage Conditions: Store at +4 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water			Not Tested
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	48.5	69.2	
EtOH			Not Tested

Remarks:

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