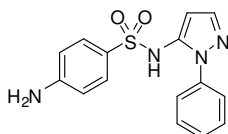




Certificate of Analysis

Axon Catalogue ID: 2922 **Batch Number:** 1
Product Name: Sulfaphenazole
Alternative Name(s): Depocid; Depotsulfonamide; Plisulfan; Raziosulfa
IUPAC Name: 4-Amino-N-(1-phenyl-1H-pyrazol-5-yl)benzenesulfonamide

Structure:



Amount:

CAS number(s): 526-08-9
Molecular Formula: C₁₅H₁₄N₄O₂S **Molecular Weight:** 314.36
Batch Molecular Formula: C₁₅H₁₄N₄O₂S.0.1H₂O **Batch Molecular Weight:** 316.16
Appearance: White solid **Observed mp:** 168 - 169 °C
TLC (R_f): 0.6 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 99.1%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 56.98, H 4.53, N 17.72; Found: C 56.87, H 4.58, N 17.67
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility	Solubility	Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	28.8	91.1	
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	31.6	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 16-01-2019

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