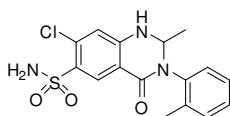




Certificate of Analysis

Axon Catalogue ID: 4026 **Batch Number:** 1
Product Name: Metolazone
Alternative Name(s): SR 720-22
IUPAC Name: 7-Chloro-2-methyl-4-oxo-3-o-tolyl-1,2,3,4-tetrahydroquinazoline-6-sulfonamide

Structure:



Amount:

CAS number(s): 17560-51-9
Molecular Formula: C₁₆H₁₆ClN₃O₃S **Molecular Weight:** 365.83
Batch Molecular Formula: C₁₆H₁₆ClN₃O₃S.0.25H₂O **Batch Molecular Weight:** 370.34
Appearance: White solid **Observed mp:** 262 °C
TLC (R_f): 0.33 DCM/MeOH (9:1)
Chemical Purity: 99.6%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 51.89, H 4.49, N 11.35; Found: C 51.96, H 4.28, N 11.45
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)	0.0	0.0	Insoluble
	DMSO	37.0	>100 mM	
	EtOH	8.9	24.0	

Remarks:

QC Date: 24-8-2023

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