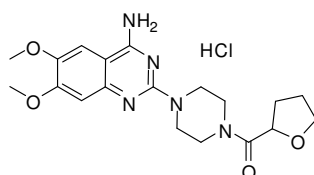




Certificate of Analysis

Axon Catalogue ID: 3512 **Batch Number:** 1
Product Name: Terazosin hydrochloride
Alternative Name(s): N.A.
IUPAC Name: (4-(4-Amino-6,7-dimethoxyquinazolin-2-yl)piperazin-1-yl)(tetrahydrofuran-2-yl)methanone hydrochloride

Structure:



Amount:

CAS number(s): 63590-64-7 (parent), 63074-08-8 (HCl (1:1))
Molecular Formula: C₁₉H₂₅N₅O₄.HCl **Molecular Weight:** 423.89
Batch Molecular Formula: C₁₉H₂₅N₅O₄.HCl.1.8H₂O **Batch Molecular Weight:** 456.32
Appearance: White solid **Observed mp:** >265 °C (decomp)
TLC (R_f): 0.63 DCM/MeOH/NH₃ (20:1:0.1)
Chemical Purity: 99.8%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 50.01, H 6.54, N 15.35; Found: C 49.54, H 6.61, N 15.79
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	3.5	7.6	* Warming (40°C) and sonication
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	45.6	>100 mM	
	EtOH	4.7	10.4	* Warming (40°C) and sonication

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

QC Date: 21-10-2021

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