



Certificate of Analysis

Axon Catalogue ID:	3561	Batch Number:	1	
Product Name:	THZ1 dihydrochloride			
Alternative Name(s):	N.A.			
IUPAC Name:	(E)-N-(3-(5-Chloro-4-(1H-indol-3-yl)pyrimidin-2-ylamino)phenyl)-4-(4-(dimethylamino)but-2-enamido)benzamide dihydrochloride			
Structure:			Amount:	
CAS number(s):	1604810-83-4 (parent), 2422107-17-1 (HCl (1:2))			
Molecular Formula:	C31H28ClN7O2.2HCl	Molecular Weight:	638.97	
Batch Molecular Formula:	C31H28ClN7O2.2HCl.2.25H2O	Batch Molecular Weight:	679.51	
Appearance:	Yellow solid	Observed mp:	205 °C (decomp)	
TLC (R_f):	0.6 DCM/MeOH/NH ₃ (9:1:0.1)			
Chemical Purity:	98.4%			
¹H-NMR:	Analytical data confirm chemical structure			
Mass Spec:	Analytical data confirm chemical structure			
Microanalysis:	Calculated: C 54.79, H 5.12, N 14.43, Cl 15.65; Found: C 54.66, H 4.76, N 14.23, Cl 15.84			
Storage Conditions:	Desiccate at -20 °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)			Not Tested
	DMSO	68.0	>100 mM	
	EtOH	0.0	0.0	Insoluble
Remarks:				
QC Date:	3-8-2022			

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