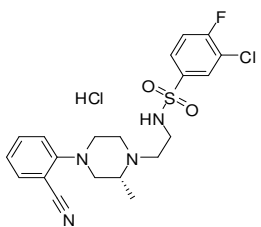


Certificate of Analysis

Axon Catalogue ID:	3799	Batch Number:	1	
Product Name:	VU6036721 hydrochloride			
Alternative Name(s):	N.A.			
IUPAC Name:	(R)-3-Chloro-N-(2-(4-(2-cyanophenyl)-2-methylpiperazin-1-yl)ethyl)-4-fluorobenzenesulfonamide hydrochloride			
Structure:			Amount:	
CAS number(s):	N.A.			
Molecular Formula:	C ₂₀ H ₂₂ ClFN ₄ O ₂ S.HCl	Molecular Weight:	473.39	
Batch Molecular Formula:	C ₂₀ H ₂₂ ClFN ₄ O ₂ S.HCl.0.25H ₂ O	Batch Molecular Weight:	477.90	
Appearance:	Light-yellow solid	Observed mp:	93.5 - 94.5 °C	
TLC (R_f):	0.7	DCM/MeOH (20:1)		
Chemical Purity:	98.7%			
Optical Purity (ee):	98.9%			
Optical Rotation (Det.):	[α] _D = -12.3° with c = 0.5 in MeOH			
¹H-NMR:	Analytical data confirm chemical structure			
Mass Spec:	Analytical data confirm chemical structure			
Microanalysis:	Calculated: C 50.26, H 4.96, N 11.72; Found: C 50.18, H 4.84, N 11.63			
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	47.8	>100 mM	
	EtOH	47.8	>100 mM	
Remarks:				
QC Date:	20-1-2023			

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