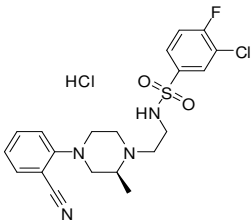


## Certificate of Analysis

<b>Axon Catalogue ID:</b>	3675	<b>Batch Number:</b>	1
<b>Product Name:</b>	VU6036720 hydrochloride		
<b>Alternative Name(s):</b>	N.A.		
<b>IUPAC Name:</b>	(S)-3-Chloro-N-(2-(4-(2-cyanophenyl)-2-methylpiperazin-1-yl)ethyl)-4-fluorobenzenesulfonamide hydrochloride		
<b>Structure:</b>			<b>Amount:</b>
<b>CAS number(s):</b>	N.A.		
<b>Molecular Formula:</b>	C20H22ClFN4O2S.HCl	<b>Molecular Weight:</b>	473.39
<b>Batch Molecular Formula:</b>	C20H22ClFN4O2S.HCl	<b>Batch Molecular Weight:</b>	473.39
<b>Appearance:</b>	Light-brown solid	<b>Observed mp:</b>	93.5 - 94.5 °C
<b>TLC (R<sub>f</sub>):</b>	0.7	DCM/MeOH (20:1)	
<b>Chemical Purity:</b>	99.4%		
<b>Optical Purity (ee):</b>	98.4%		
<b>Optical Rotation (Det.):</b>	[α] <sub>D</sub> = +12.3° with c = 0.5 in MeOH		
<b><sup>1</sup>H-NMR:</b>	Analytical data confirm chemical structure		
<b>Mass Spec:</b>	Analytical data confirm chemical structure		
<b>Microanalysis:</b>	Calculated: C 50.74, H 4.90, N 11.84; Found: C 50.39, H 4.90, N 11.70		
<b>Storage Conditions:</b>	Desiccate at -20 °C		
<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b> <b>Remarks</b>
	Water	0.0	0.0 Insoluble
	0.1N NaOH (aq)		Not Tested
	0.1N HCl (aq)		Not Tested
	DMSO	47.3	>100 mM
	EtOH	47.3	>100 mM
<b>Remarks:</b>			
<b>QC Date:</b>	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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**