



## Certificate of Analysis

<b>Axon Catalogue ID:</b>	2669	<b>Batch Number:</b>	1	
<b>Product Name:</b>	AZ13705339			
<b>Alternative Name(s):</b>	N.A.			
<b>IUPAC Name:</b>	2-(((2-(3-(Ethylsulfonyl)-4-(4-methylpiperazin-1-yl)phenylamino)-5-fluoropyrimidin-4-yl)(5-(hydroxymethyl)-2-methylphenyl)amino)methyl)benzonitrile			
<b>Structure:</b>			<b>Amount:</b>	
<b>CAS number(s):</b>	2016806-57-6			
<b>Molecular Formula:</b>	C33H36FN7O3S	<b>Molecular Weight:</b>	629.75	
<b>Batch Molecular Formula:</b>	C33H36FN7O3S.H2O	<b>Batch Molecular Weight:</b>	647.76	
<b>Appearance:</b>	White solid	<b>Observed mp:</b>	170.0 - 171.0 °C	
<b>TLC (R<sub>f</sub>):</b>	0.4 DCM/MeOH/NH <sub>3</sub> (9:1:0.1)			
<b>Chemical Purity:</b>	99.5%			
<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 61.19, H 5.91, N 15.14; Found: C 61.41, H 5.65, N 15.08			
<b>Storage Conditions:</b>	Store at +4 °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)	34.0	52.5	
	DMSO	64.8	>100 mM	
	EtOH			Not Tested
<b>Remarks:</b>				
<b>QC Date:</b>	13-4-2022			

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

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