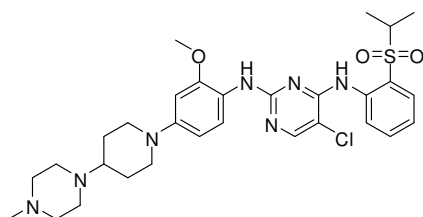




## Certificate of Analysis

**Axon Catalogue ID:** 1416 **Batch Number:** 4  
**Product Name:** NVP-TAE 684  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 5-Chloro-N4-(2-(isopropylsulfonyl)phenyl)-N2-(2-methoxy-4-(4-(4-methylpiperazin-1-yl)piperidin-1-yl)phenyl)pyrimidine-2,4-diamine

**Structure:**



**Amount:**

**CAS number(s):** 761439-42-3  
**Molecular Formula:** C<sub>30</sub>H<sub>40</sub>CIN<sub>7</sub>O<sub>3</sub>S **Molecular Weight:** 614.20  
**Batch Molecular Formula:** C<sub>30</sub>H<sub>40</sub>CIN<sub>7</sub>O<sub>3</sub>S **Batch Molecular Weight:** 614.20  
**Appearance:** Light-yellow solid **Observed mp:** 170 - 173 °C  
**TLC (R<sub>f</sub>):** 0.7 DCM/MeOH (9:1)  
**Chemical Purity:** 99.4%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 58.67, H 6.56, N 15.96; Found: C ND, H ND, N ND  
**Storage Conditions:** Desiccate at -20 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	3.1	5.0	
	DMSO	20.0	32.6	
	EtOH	9.8	16.0	

**Remarks:**

**QC Date:** 20-09-2018

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**