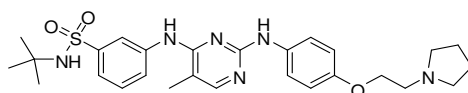




## Certificate of Analysis

**Axon Catalogue ID:** 1588 **Batch Number:** 1  
**Product Name:** TG 101348  
**Alternative Name(s):** Fedratinib; SAR 302503  
**IUPAC Name:** N-tert-Butyl-3-(5-methyl-2-(4-(2-(pyrrolidin-1-yl)ethoxy)phenylamino)pyrimidin-4-ylamino)benzenesulfonamide

**Structure:**



**Amount:**

**CAS number(s):** 936091-26-8  
**Molecular Formula:** C<sub>27</sub>H<sub>36</sub>N<sub>6</sub>O<sub>3</sub>S **Molecular Weight:** 524.68  
**Batch Molecular Formula:** C<sub>27</sub>H<sub>36</sub>N<sub>6</sub>O<sub>3</sub>S **Batch Molecular Weight:** 524.68  
**Appearance:** White solid **Observed mp:** 185.5 - 186 °C  
**TLC (R<sub>f</sub>):** 0.33 DCM/MeOH/NH<sub>3</sub> (9:1:0.01)  
**Chemical Purity:** 99.7%  
**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 61.81, H 6.92, N 16.02; 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)	4.1	7.8	
	DMSO	52.0	99.1	
	EtOH			Not Tested

**Remarks:** Stock solutions turn slowly orange/pink over time at room temperature; stock solutions can be stored at -20°C for short periods of time. It is recommended to use freshly prepared stock solutions

**QC Date:** 27-02-2019

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**