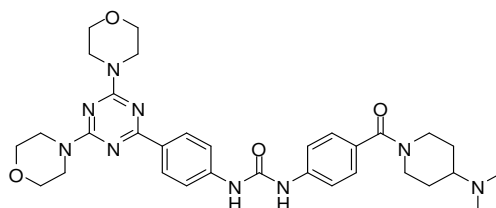




## Certificate of Analysis

**Axon Catalogue ID:** 1807 **Batch Number:** 1  
**Product Name:** PKI 587  
**Alternative Name(s):** PF 5212384  
**IUPAC Name:** 1-(4-(4-(Dimethylamino)piperidine-1-carbonyl)phenyl)-3-(4-(4,6-dimorpholino-1,3,5-triazin-2-yl)phenyl)urea

**Structure:**



**Amount:**

**CAS number(s):** 1197160-78-3  
**Molecular Formula:** C<sub>32</sub>H<sub>41</sub>N<sub>9</sub>O<sub>4</sub> **Molecular Weight:** 615.73  
**Batch Molecular Formula:** C<sub>32</sub>H<sub>41</sub>N<sub>9</sub>O<sub>4</sub> **Batch Molecular Weight:** 615.73  
**Appearance:** White solid **Observed mp:** 222 - 225.2 °C  
**TLC (R<sub>f</sub>):** 0.4 DCM/MeOH (9:1)  
**Chemical Purity:** 99.5%  
**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 62.42, H 6.71, N 20.47; Found: C ND, H ND, N ND  
**Storage Conditions:** Store at +4 °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)			Not Tested
	DMSO	4.2	6.8	Requires warming to 50 °C
	EtOH			Not Tested

**Remarks:**

**QC Date:** 21-03-2012

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**