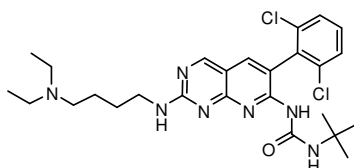




## Certificate of Analysis

**Axon Catalogue ID:** 2098 **Batch Number:** 1  
**Product Name:** PD161570  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 1-tert-Butyl-3-(6-(2,6-dichlorophenyl)-2-(4-(diethylamino)butylamino)pyrido[2,3-d]pyrimidin-7-yl)urea

**Structure:**



**Amount:**

**CAS number(s):** 192705-80-9  
**Molecular Formula:** C<sub>26</sub>H<sub>35</sub>Cl<sub>2</sub>N<sub>7</sub>O **Molecular Weight:** 532.51  
**Batch Molecular Formula:** C<sub>26</sub>H<sub>35</sub>Cl<sub>2</sub>N<sub>7</sub>O.0.25H<sub>2</sub>O **Batch Molecular Weight:** 537.01  
**Appearance:** White solid **Observed mp:** 157 - 158 °C  
**TLC (R<sub>f</sub>):** 0.65 DCM/MeOH/NH<sub>3</sub> (19:0.9:0.1)  
**Chemical Purity:** 99.2%  
**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 58.15, H 6.66, N 18.26, Cl 13.20; Found: C 57.86, H 6.58, N 18.10, Cl 12.97  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	38.0	70.8	Soluble, solution turns bright yellow
	DMSO	53.7	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 17-1-2019

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**