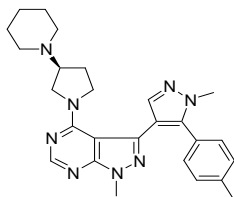




## Certificate of Analysis

**Axon Catalogue ID:** 2026 **Batch Number:** 1  
**Product Name:** PF 04981517  
**Alternative Name(s):** PF 4981517  
**IUPAC Name:** (S)-1-methyl-3-(1-methyl-5-p-tolyl-1H-pyrazol-4-yl)-4-(3-(piperidin-1-yl)pyrrolidin-1-yl)-1H-pyrazolo[3,4-d]pyrimidine

**Structure:**



**Amount:**

**CAS number:** 1390637-82-7 **MW:** 456.59  
**Batch Molecular Formula:** C<sub>26</sub>H<sub>32</sub>N<sub>8</sub>·0.33H<sub>2</sub>O **Batch MW:** 462.53  
**Appearance:** Off-white solid **Observed mp:** 88 - 90 °C  
**TLC (R<sub>f</sub>):** 0.3 DCM/MeOH (9:1)  
**Chemical Purity:** 98.5%  
**Optical Purity (ee):** optically pure  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** C, H, and N fit within 0,4% of theoretical calculation

**Storage Conditions:** Store at +4°C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0	0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	30	65	Soluble
	DMSO	44	95	Soluble
	EtOH			Not Tested

**Remarks:** Pfizer compound; Sold for research purposes under agreement from Pfizer Inc.

**QC Date:** 3/27/2013

The purity of Axon products 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 Axon Catalogue ID and Batch number.

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