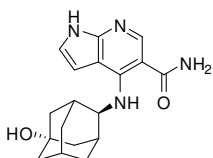




## Certificate of Analysis

**Axon Catalogue ID:** 3950 **Batch Number:** 1  
**Product Name:** Peficitinib  
**Alternative Name(s):** ASP015K; JNJ54781532  
**IUPAC Name:** 4-[(trans-5-Hydroxyadamantan-2-yl)amino]-1H-pyrrolo[2,3-b]pyridine-5-carboxamide

**Structure:**



**Amount:**

**CAS number(s):** 944118-01-8  
**Molecular Formula:** C<sub>18</sub>H<sub>22</sub>N<sub>4</sub>O<sub>2</sub> **Molecular Weight:** 326.39  
**Batch Molecular Formula:** C<sub>18</sub>H<sub>22</sub>N<sub>4</sub>O<sub>2</sub>.H<sub>2</sub>O **Batch Molecular Weight:** 344.41  
**Appearance:** White solid **Observed mp:** >300 °C  
**TLC (R<sub>f</sub>):** 0.3 DCM/MeOH (9:1)  
**Chemical Purity:** 100%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 62.77, H 7.02, N 16.27; Found: C 62.94, H 6.83, N 16.35  
**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	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	21.0	61.0	
	DMSO	31.0	90.0	
	EtOH	0.0	0.0	Insoluble

**Remarks:**

**QC Date:** 20-7-2023

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**