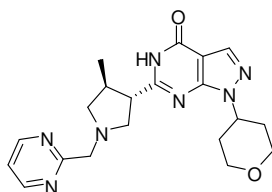


## Certificate of Analysis

**Axon Catalogue ID:** 2148 **Batch Number:** 1  
**Product Name:** PF 04447943  
**Alternative Name(s):** PF 4447943  
**IUPAC Name:** 6-((3S,4S)-4-methyl-1-(pyrimidin-2-ylmethyl)pyrrolidin-3-yl)-1-(tetrahydro-2H-pyran-4-yl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one

**Structure:**



**Amount:**

**CAS number(s):** 1082744-20-4  
**Molecular Formula:** C<sub>20</sub>H<sub>25</sub>N<sub>7</sub>O<sub>2</sub> **Molecular Weight:** 395.46  
**Batch Molecular Formula:** C<sub>20</sub>H<sub>25</sub>N<sub>7</sub>O<sub>2</sub> **Batch Molecular Weight:** 395.46  
**Appearance:** Pale-yellow solid **Observed mp:** 160 °C  
**TLC (R<sub>f</sub>):** 0.6 DCM/MeOH (9:1)  
**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 60.74, H 6.37, N 24.78; Found: C 60.77, H 6.65, N 24.51  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	20.0	50.6	
	DMSO	36.0	91.0	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 25-07-2019

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**