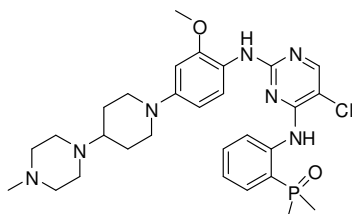




## Certificate of Analysis

**Axon Catalogue ID:** 2978 **Batch Number:** 1  
**Product Name:** Brigatinib  
**Alternative Name(s):** AP 26113; Alunbrig  
**IUPAC Name:** 5-Chloro-N4-(2-(dimethylphosphoryl)phenyl)-N2-(2-methoxy-4-(4-(4-methylpiperazin-1-yl)piperidin-1-yl)phenyl)pyrimidine-2,4-diamine

**Structure:**



**Amount:**

**CAS number(s):** 1197953-54-0  
**Molecular Formula:** C<sub>29</sub>H<sub>39</sub>CIN<sub>7</sub>O<sub>2</sub>P **Molecular Weight:** 584.09  
**Batch Molecular Formula:** C<sub>29</sub>H<sub>39</sub>CIN<sub>7</sub>O<sub>2</sub>P.0.5H<sub>2</sub>O **Batch Molecular Weight:** 593.10  
**Appearance:** White solid **Observed mp:** 212.1 - 214.6 °C  
**TLC (R<sub>f</sub>):** 0.5 DCM/MeOH (4:1)  
**Chemical Purity:** 99.6%  
**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 58.73, H 6.80, N 16.53; Found: C 58.76, H 6.53, N 16.51  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	28.0	47.2	
	DMSO	42.0	70.8	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 31-05-2019

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**