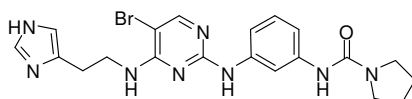




## Certificate of Analysis

**Axon Catalogue ID:** 1130 **Batch Number:** 2  
**Product Name:** BX 912  
**Alternative Name(s):** N.A.  
**IUPAC Name:** Pyrrolidine-1-carboxylic acid (3-[5-bromo-4-[2-(1H-imidazol-4-yl)-ethylamino]-pyrimidin-2-ylamino]-phenyl)-amide

**Structure:**



**Amount:**

**CAS number(s):** 702674-56-4  
**Molecular Formula:** C<sub>20</sub>H<sub>23</sub>BrN<sub>8</sub> **Molecular Weight:** 471.35  
**Batch Molecular Formula:** C<sub>20</sub>H<sub>23</sub>BrN<sub>8</sub> **Batch Molecular Weight:** 471.35  
**Appearance:** White solid **Observed mp:** 137 - 138 °C  
**TLC (R<sub>f</sub>):** 0.8 DCM/MeOH (4:1)  
**Chemical Purity:** 99.4%  
**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 50.96, H 4.92, N 23.77; Found: C ND, H ND, N ND  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	0.0	0.0	Insoluble
	0.1N HCl (aq)	47.1	>100 mM	
	DMSO	47.1	>100 mM	
	EtOH	26.0	55.2	

**Remarks:**

**QC Date:** 20-02-2018

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**