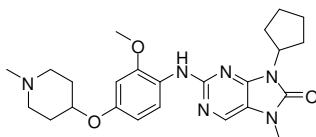




## Certificate of Analysis

**Axon Catalogue ID:** 1642 **Batch Number:** 1  
**Product Name:** AZ 3146  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 9-cyclopentyl-2-(2-methoxy-4-(1-methylpiperidin-4-yloxy)phenylamino)-7-methyl-7H-purin-8(9H)-one

**Structure:**



**Amount:**

**CAS number:** 1124329-14-1  
**Batch Molecular Formula:** C24H32N6O3 **Batch MW:** 452.55  
**Appearance:** White solid **Observed mp:** 140 - 142 °C  
**TLC (R<sub>f</sub>):** 0.3 DCM/MeOH/NH<sub>3</sub> (9:1:0.1)  
**Chemical Purity:** 99.5%  
**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 63.70 , H 7.13 , N 18.57 Found: C ND , H ND , N ND  
**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)	2.8	6.2	
	DMSO	24.0	53.0	
	EtOH			Not Tested

**Remarks:** \*A drop of 0.1 N HCl(aq) was added to a suspension of 2.8 mg of AZ 3146 in 1 mL of water resulted in a completely clear solution.

**QC Date:** 03-07-2011

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**