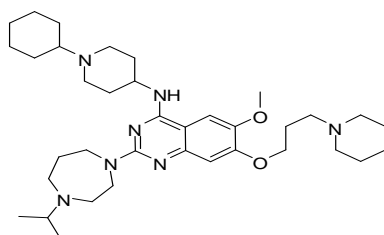




## Certificate of Analysis

**Axon Catalogue ID:** 1840 **Batch Number:** 1  
**Product Name:** UNC 0646  
**Alternative Name(s):** N.A.  
**IUPAC Name:** N-(1-Cyclohexylpiperidin-4-yl)-2-(4-isopropyl-1,4-diazepan-1-yl)-6-methoxy-7-(3-(piperidin-1-yl)propoxy)quinazolin-4-amine

**Structure:**



**Amount:**

**CAS number:** 1320288-17-2 **MW:** 621.90

**Batch Molecular Formula:** C<sub>36</sub>H<sub>59</sub>N<sub>7</sub>O<sub>2</sub>·0.5H<sub>2</sub>O **Batch MW:** 630.90

**Appearance:** Beige solid **Observed mp:** Foam

**TLC (R<sub>f</sub>):** 0.2 DCM/MeOH/NH<sub>3</sub> (4:1:0.01)

**Chemical Purity:** >99%

**Optical Purity (ee):**

**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure

**Mass Spec:** Analytical data confirm chemical structure

**Microanalysis:** C, H, and N fit within 0,4% of theoretical calculation

**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)			Not Tested
	DMSO	50.0	79.3	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 15-4-2012

The purity of Axon products 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 Axon Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**