



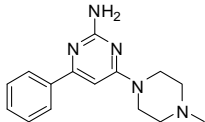
## Certificate of Analysis

**Axon Catalogue ID:** 2126 **Batch Number:** 1

**Product Name:** VUF 10460

**Alternative Name(s):** N.A.

**IUPAC Name:** 4-(4-methylpiperazin-1-yl)-6-phenylpyrimidin-2-amine

**Structure:**  **Amount:**

**CAS number:** 1028327-66-3 **MW:** 269.34

**Batch Molecular Formula:** C<sub>15</sub>H<sub>19</sub>N<sub>5</sub>·1/6H<sub>2</sub>O **Batch MW:** 272.34

**Appearance:** Off-white solid **Observed mp:** 129 - 131 °C

**TLC (R<sub>f</sub>):** 0.6 DCM/MeOH (9:1)

**Chemical Purity:** 99.1%

**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 -20°C

**Solubility Data:**

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water			Not Tested
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)	13	46	
DMSO	27	>100 mM	
EtOH			Not Tested

**Remarks:** Microanalysis: Calcd C 66.15, H 7.16, N 25.71; Found: C 66.12, H 7.19, N 25.92.

**QC Date:** 8/5/2013

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**