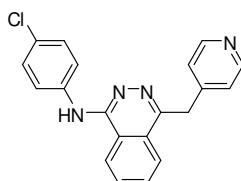




## Certificate of Analysis

**Axon Catalogue ID:** 1637 **Batch Number:** 1  
**Product Name:** Vatalanib  
**Alternative Name(s):** PTK 787  
**IUPAC Name:** N-(4-Chlorophenyl)-4-(pyridin-4-ylmethyl)phthalazin-1-amine

**Structure:**



**Amount:**

**CAS number(s):** 212141-54-3  
**Molecular Formula:** C<sub>20</sub>H<sub>15</sub>ClN<sub>4</sub> **Molecular Weight:** 346.81  
**Batch Molecular Formula:** C<sub>20</sub>H<sub>15</sub>ClN<sub>4</sub> **Batch Molecular Weight:** 346.81  
**Appearance:** Yellow solid **Observed mp:** 206 - 208 °C  
**TLC (R<sub>f</sub>):** 0.9 DCM/MeOH (4:1)  
**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 69.26, H 4.36, N 16.15; 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			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	28.0	80.7	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 21-05-2019

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**