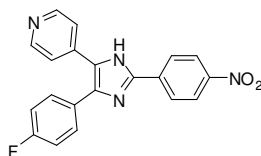


## Certificate of Analysis

**Axon Catalogue ID:** 1365 **Batch Number:** 2  
**Product Name:** PD169316  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 4-(4-(4-Fluorophenyl)-2-(4-nitrophenyl)-1H-imidazol-5-yl)pyridine

**Structure:**



**Amount:**

**CAS number(s):** 152121-53-4  
**Molecular Formula:** C<sub>20</sub>H<sub>13</sub>FN<sub>4</sub>O<sub>2</sub> **Molecular Weight:** 360.34  
**Batch Molecular Formula:** C<sub>20</sub>H<sub>13</sub>FN<sub>4</sub>O<sub>2</sub>·0.25H<sub>2</sub>O **Batch Molecular Weight:** 364.85  
**Appearance:** Yellow solid **Observed mp:** >350 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.8 EtOAc  
**Chemical Purity:** 98.7%  
**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 65.84, H 3.73, N 15.36; Found: C 65.57, H 3.89, N 15.13  
**Storage Conditions:** Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	11.0	30.1	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 5-7-2019

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**