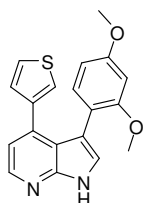




## Certificate of Analysis

**Axon Catalogue ID:** 3041 **Batch Number:** 1  
**Product Name:** ARN 3236  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 3-(2,4-Dimethoxyphenyl)-4-(thiophen-3-yl)-1H-pyrrolo[2,3-b]pyridine

**Structure:**



**Amount:**

**CAS number(s):** 1613710-01-2  
**Molecular Formula:** C<sub>19</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub>S **Molecular Weight:** 336.41  
**Batch Molecular Formula:** C<sub>19</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub>S **Batch Molecular Weight:** 336.41  
**Appearance:** Off-white solid **Observed mp:** 216.2 - 218.4 °C  
**TLC (R<sub>f</sub>):** 0.8 DCM/MeOH (9:1)  
**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 67.84, H 4.79, N 8.33; Found: C 67.77, H 4.79, N 8.34  
**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	33.6	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 20-11-2019

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**