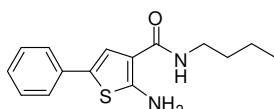




## Certificate of Analysis

**Axon Catalogue ID:** 2844 **Batch Number:** 1  
**Product Name:** ThioLox  
**Alternative Name(s):** Thiophene A9  
**IUPAC Name:** 2-Amino-N-butyl-5-phenylthiophene-3-carboxamide

**Structure:**



**Amount:**

**CAS number(s):** 1202193-89-2  
**Molecular Formula:** C<sub>15</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub> **Molecular Weight:** 274.38  
**Batch Molecular Formula:** C<sub>15</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub> **Batch Molecular Weight:** 274.38  
**Appearance:** Beige solid **Observed mp:** 108.5 - 109.5 °C  
**TLC (R<sub>f</sub>):** 0.7 Hex/EtOAc (1:1)  
**Chemical Purity:** 99.9%  
**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 65.66, H 6.61, N 10.20; Found: C 65.40, H 6.57, N 10.06  
**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	27.4	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 05-03-2018

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**