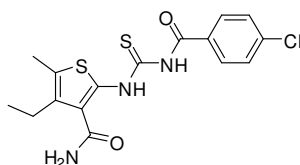




## Certificate of Analysis

**Axon Catalogue ID:** 3034 **Batch Number:** 1  
**Product Name:** PI-273  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 2-(3-(4-Chlorobenzoyl)thioureido)-4-ethyl-5-methylthiophene-3-carboxamide

**Structure:**



**Amount:**

**CAS number(s):** 925069-34-7  
**Molecular Formula:** C<sub>16</sub>H<sub>16</sub>ClN<sub>3</sub>O<sub>2</sub>S<sub>2</sub> **Molecular Weight:** 381.90  
**Batch Molecular Formula:** C<sub>16</sub>H<sub>16</sub>ClN<sub>3</sub>O<sub>2</sub>S<sub>2</sub> **Batch Molecular Weight:** 381.90  
**Appearance:** Yellow solid **Observed mp:** 248 - 249 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.31 DCM/MeOH/NH<sub>3</sub> (9:1:0.1)  
**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 50.32, H 4.22, N 11.00; Found: C 50.21, H 4.24, N 10.88  
**Storage Conditions:** Store at -20 °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	22.0	57.6	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 21-07-2020

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**