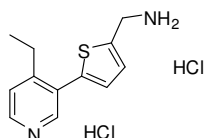




## Certificate of Analysis

**Axon Catalogue ID:** 3190 **Batch Number:** 1  
**Product Name:** DLCI-1  
**Alternative Name(s):** N.A.  
**IUPAC Name:** (5-(4-Ethylpyridin-3-yl)thiophen-2-yl)methanamine dihydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 2244569-14-8 (parent), 2244569-15-9 (HCl (1:2))  
**Molecular Formula:** C<sub>12</sub>H<sub>14</sub>N<sub>2</sub>S.2HCl **Molecular Weight:** 291.24  
**Batch Molecular Formula:** C<sub>12</sub>H<sub>14</sub>N<sub>2</sub>S.2HCl.0.75H<sub>2</sub>O **Batch Molecular Weight:** 304.75  
**Appearance:** White solid **Observed mp:** >191°C (decomp)  
**TLC (R<sub>f</sub>):** 0.6 DCM/MeOH (4:1)  
**Chemical Purity:** 98.5%  
**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 47.29, H 5.79, N 9.19; Found: C 47.50, H 5.91, N 9.08  
**Storage Conditions:** Desiccate at -20 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	30.5	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	30.5	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 13-10-2020

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**