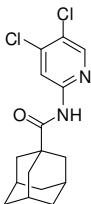




## Certificate of Analysis

<b>Axon Catalogue ID:</b>	4079	<b>Batch Number:</b>	1																								
<b>Product Name:</b>	Insulin sensitizer C59																										
<b>Alternative Name(s):</b>	N.A.																										
<b>IUPAC Name:</b>	Tricyclo[3.3.1.1 <sup>3,7</sup> ]decane-1-carboxamide, N-(4,5-dichloro-2-pyridinyl)-																										
<b>Structure:</b>		<b>Amount:</b>																									
<b>CAS number(s):</b>	2761446-81-3																										
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>18</sub> Cl <sub>2</sub> N <sub>2</sub> O	<b>Molecular Weight:</b>	325.23																								
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<b>Appearance:</b>	White solid	<b>Observed mp:</b>	119 - 121 °C																								
<b>TLC (R<sub>f</sub>):</b>	0.47	Hex/EtOAc (9:1)																									
<b>Chemical Purity:</b>	99.8%																										
<b><sup>1</sup>H-NMR:</b>	Analytical data confirm chemical structure																										
<b>Mass Spec:</b>	Analytical data confirm chemical structure																										
<b>Microanalysis:</b>	Calculated: C 59.09, H 5.58, N 8.61; Found: C 59.23, H 5.50, N 8.52																										
<b>Storage Conditions:</b>	Store at -20 °C																										
<b>Solubility Data:</b>	<table><thead><tr><th>Solvent</th><th>Solubility (mg/ml)</th><th>Solubility (mM)</th><th>Remarks</th></tr></thead><tbody><tr><td>Water</td><td>0.0</td><td>0.0</td><td>Insoluble</td></tr><tr><td>0.1N NaOH (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>0.1N HCl (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>DMSO</td><td>9.5</td><td>29.2</td><td></td></tr><tr><td>EtOH</td><td>12.7</td><td>39.0</td><td></td></tr></tbody></table>	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	9.5	29.2		EtOH	12.7	39.0			
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<b>QC Date:</b>	12-3-2024																										

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**