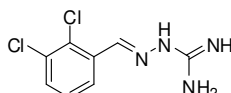




## Certificate of Analysis

**Axon Catalogue ID:** 3004 **Batch Number:** 1  
**Product Name:** Raphin1  
**Alternative Name(s):** N.A.  
**IUPAC Name:** (E)-2-(2,3-Dichlorobenzylidene)hydrazinecarboximidamide

**Structure:**



**Amount:**

**CAS number(s):** 2022961-17-5  
**Molecular Formula:** C<sub>8</sub>H<sub>8</sub>Cl<sub>2</sub>N<sub>4</sub> **Molecular Weight:** 231.08  
**Batch Molecular Formula:** C<sub>8</sub>H<sub>8</sub>Cl<sub>2</sub>N<sub>4</sub> **Batch Molecular Weight:** 231.08  
**Appearance:** Light-yellow solid **Observed mp:** 234 °C  
**TLC (R<sub>f</sub>):** 0.13 DCM/MeOH (1:1)  
**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 41.58, H 3.49, N 24.25; Found: C 41.14, H 3.45, N 24.68  
**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)	0.0	0.0	Insoluble
	DMSO	23.1	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 19-08-2019

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**