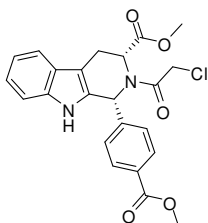


## Certificate of Analysis

**Axon Catalogue ID:** 3617 **Batch Number:** 1  
**Product Name:** 1R,3R-RSL3  
**Alternative Name(s):** N.A.  
**IUPAC Name:** (1R,3R)-Methyl 2-(2-chloroacetyl)-1-(4-(methoxycarbonyl)phenyl)-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indole-3-carboxylate

**Structure:**



**Amount:**

**CAS number(s):** 1219810-15-7  
**Molecular Formula:** C<sub>23</sub>H<sub>21</sub>ClN<sub>2</sub>O<sub>5</sub> **Molecular Weight:** 440.88  
**Batch Molecular Formula:** C<sub>23</sub>H<sub>21</sub>ClN<sub>2</sub>O<sub>5</sub> **Batch Molecular Weight:** 440.88  
**Appearance:** Off-white solid **Observed mp:** >300 °C  
**TLC (R<sub>f</sub>):** 0.48 DCM/MeOH (9:1)  
**Chemical Purity:** 99.9%  
**Optical Purity (de):** 100%  
**Optical Rotation (Det.):** [α]<sub>D</sub> = -135.4° with c = 0.5 in DMSO  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 62.66, H 4.80, N 6.35; Found: C 62.52, H 4.42, N 6.09  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	9.5	21.5	
	EtOH	0.0	0.0	Insoluble

**Remarks:**

**QC Date:** 16-5-2022

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**