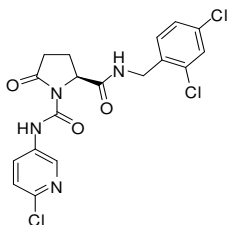




## Certificate of Analysis

**Axon Catalogue ID:** 3262 **Batch Number:** 1  
**Product Name:** HEI3090  
**Alternative Name(s):** N.A.  
**IUPAC Name:** (S)-N1-(6-Chloropyridin-3-yl)-N2-(2,4-dichlorobenzyl)-5-oxopyrrolidine-1,2-dicarboxamide

**Structure:**



**Amount:**

**CAS number(s):** 2377167-56-9  
**Molecular Formula:** C<sub>18</sub>H<sub>15</sub>Cl<sub>3</sub>N<sub>4</sub>O<sub>3</sub> **Molecular Weight:** 441.70  
**Batch Molecular Formula:** C<sub>18</sub>H<sub>15</sub>Cl<sub>3</sub>N<sub>4</sub>O<sub>3</sub> **Batch Molecular Weight:** 441.70  
**Appearance:** White solid **Observed mp:** 194 - 196 °C  
**TLC (R<sub>f</sub>):** 0.46 DCM/MeOH (20:1)  
**Chemical Purity:** 100%  
**Optical Purity (ee):** 99.5%  
**Optical Rotation (Det.):** [α]<sub>D</sub> = -27.1° with c = 0.5 in MeOH  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 48.95, H 3.42, N 12.68; Found: C 49.17, H 3.56, N 12.60  
**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)			Not Tested
	DMSO	44.2	>100 mM	
	EtOH	2.3	5.2	* Warming (40°C) and sonication

**Remarks:** \* Warming (40°C) and sonication enhanced solubility. Electrostatic.

**QC Date:** 11-5-2022

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**