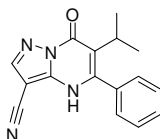




## Certificate of Analysis

**Axon Catalogue ID:** 2573 **Batch Number:** 1  
**Product Name:** CPI 455  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 6-Isopropyl-7-oxo-5-phenyl-4,7-dihydropyrazolo[1,5-a]pyrimidine-3-carbonitrile

**Structure:**



**Amount:**

**CAS number(s):** 1628208-23-0  
**Molecular Formula:** C<sub>16</sub>H<sub>14</sub>N<sub>4</sub>O **Molecular Weight:** 278.31  
**Batch Molecular Formula:** C<sub>16</sub>H<sub>14</sub>N<sub>4</sub>O **Batch Molecular Weight:** 278.31  
**Appearance:** White solid **Observed mp:** >250 °C (decomp.)  
**TLC (R<sub>f</sub>):** 0.4 DCM/MeOH (9:1)  
**Chemical Purity:** 99.8%  
**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 69.05, H 5.07, N 20.12; Found: C 68.94, H 5.05, N 20.18  
**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)			Not Tested
	DMSO	22.5	80.8	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 18-10-2021

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**