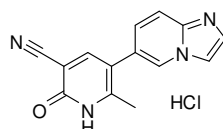




## Certificate of Analysis

**Axon Catalogue ID:** 1168 **Batch Number:** 1  
**Product Name:** Olprinone hydrochloride  
**Alternative Name(s):** Loprinone hydrochloride  
**IUPAC Name:** 5-(Imidazo[1,2-a]pyridin-6-yl)-6-methyl-2-oxo-1,2-dihydropyridine-3-carbonitrile hydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 106730-54-5 (parent), 119615-63-3 (HCl (1:1))  
**Molecular Formula:** C<sub>14</sub>H<sub>10</sub>N<sub>4</sub>O.0.7HCl **Molecular Weight:** 275.78  
**Batch Molecular Formula:** C<sub>14</sub>H<sub>10</sub>N<sub>4</sub>O.0.7HCl **Batch Molecular Weight:** 275.78  
**Appearance:** Off-white solid **Observed mp:** 325 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.4 DCM/MeOH (9:1)  
**Chemical Purity:** 99.4%  
**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 60.97, H 3.91, N 20.32; Found: C 60.96, H 4.28, N 20.62  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	12.6	45.7	
	DMSO	15.0	54.4	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 21-02-2018

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**