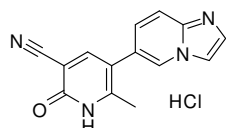




Certificate of Analysis

Axon Catalogue ID: 1168 **Batch Number:** 2
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: C₁₄H₁₀N₄O.HCl **Molecular Weight:** 286.72
Batch Molecular Formula: C₁₄H₁₀N₄O.HCl.1.25H₂O **Batch Molecular Weight:** 309.24
Appearance: Beige solid **Observed mp:** >300 °C (decomp)
TLC (R_f): 0.3 DCM/MeOH (9:1)
Chemical Purity: 98.9%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 54.38, H 4.40, N 18.12; Found: C 54.51, H 4.07, N 18.37
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	8.4	27.2	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	10.0	32.3	
	EtOH			Not Tested

Remarks:

QC Date: 05-06-2018

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only