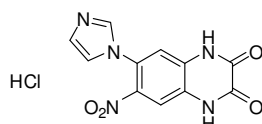




Certificate of Analysis

Axon Catalogue ID: 1312 **Batch Number:** 1
Product Name: YM 90K hydrochloride
Alternative Name(s): N.A.
IUPAC Name: 6-(1H-Imidazol-1-yl)-7-nitroquinoxaline-2,3(1H,4H)-dione hydrochloride

Structure:



Amount:

CAS number(s): 143151-35-3 (parent), 154164-30-4 (HCl (1:1))
Molecular Formula: C₁₁H₇N₅O₄.HCl **Molecular Weight:** 309.67
Batch Molecular Formula: C₁₁H₇N₅O₄.HCl.1.75H₂O **Batch Molecular Weight:** 341.19
Appearance: Yellow solid **Observed mp:** >300 °C
TLC (R_f): 0.6 DCM/MeOH/NH₄OH (1:1:0.01)
Chemical Purity: 99.8%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 38.72, H 3.40, N 20.53; Found: C 38.25, H 3.04, N 20.47
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	3.0	8.8	
	DMSO	5.0	14.7	
	EtOH			Not Tested

Remarks:

QC Date: 03-01-2019

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