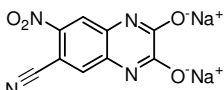




Certificate of Analysis

Axon Catalogue ID: 2522 **Batch Number:** 2
Product Name: CNQX disodium salt
Alternative Name(s): 6-Cyano-7-nitroquinoxaline-2,3-dione disodium salt
IUPAC Name: Sodium 6-cyano-7-nitroquinoxaline-2,3-bis(olate)

Structure:  **Amount:**

CAS number(s): 115066-14-3 (parent), 479347-85-8 (Sodium salt (1:2))
Molecular Formula: C₉H₂N₄Na₂O₄ **Molecular Weight:** 276.12
Batch Molecular Formula: C₉H₂N₄Na₂O₄·2.75H₂O **Batch Molecular Weight:** 325.66
Appearance: Dark-red solid **Observed mp:** >350 °C
TLC (R_f): 0.76 DCM/MeOH (4:1)
Chemical Purity: 99.6%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 33.19, H 2.32, N 17.20; Found: C 33.55, H 2.59, N 16.97
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	17.0	52.2	* Warming (40°C) and sonication
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	22.0	67.6	* Warming (40°C) and sonication
	EtOH			Not Tested

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

QC Date: 30-11-2018

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