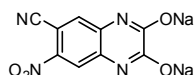




## Certificate of Analysis

**Axon Catalogue ID:** 2522 **Batch Number:** 1  
**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 (Disodium salt)  
**Molecular Formula:** C<sub>9</sub>H<sub>2</sub>N<sub>4</sub>Na<sub>2</sub>O<sub>4</sub> **Molecular Weight:** 276.12  
**Batch Molecular Formula:** C<sub>9</sub>H<sub>2</sub>N<sub>4</sub>Na<sub>2</sub>O<sub>4</sub>·3H<sub>2</sub>O **Batch Molecular Weight:** 330.16  
**Appearance:** Red solid **Observed mp:** >350°C  
**TLC (R<sub>f</sub>):** 0.76 DCM/MeOH (4:1)  
**Chemical Purity:** 99.0%  
**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 32.74, H 2.44, N 16.97; Found: C 32.58, H 2.50, N 16.62  
**Storage Conditions:** Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	7.6	23.0	* Warming (40°C) and sonication
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	16.0	48.5	
	EtOH			Not Tested

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

**QC Date:** 20-01-2016

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**