



Certificate of Analysis

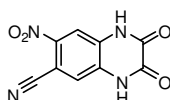
Axon Catalogue ID: 1200 **Batch Number:** 2

Product Name: CNQX

Alternative Name(s): N.A.

IUPAC Name: 7-Nitro-2,3-dioxo-1,2,3,4-tetrahydroquinoxaline-6-carbonitrile

Structure:



Amount:

CAS number(s): 115066-14-3

Molecular Formula: C₉H₄N₄O₄ **Molecular Weight:** 232.15

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Appearance: Light-yellow solid **Observed mp:** >350 °C

TLC (R_f): 0.67 DCM/MeOH (4:1)

Chemical Purity: 99.4%

Optical Purity (ee): N.A.

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 46.56, H 1.74, N 24.13; Found: C 46.58, H 1.72, N 24.11

Storage Conditions: Desiccate at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)	8.0	34.5	Warming (40°C) and sonication
	0.1N HCl (aq)			Not Tested
	DMSO	20.0	86.2	Warming (40°C) and sonication
	EtOH			Not Tested

Remarks:

QC Date: 15-6-2021

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