

# Certificate of Analysis

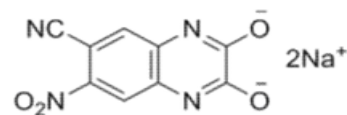


## Product Identification

**Catalog number** HB0205  
**Compound name** CNQX disodium salt  
**Chemical name** 6-Cyano-7-nitroquinoxaline-2,3-dione disodium

**Batch number** E0368-3-3  
**Batch molecular formula**  $C_9H_2N_2Na_2O_4 \cdot 1.25H_2O$   
**Batch molecular weight** 298.64

## Chemical Structure



Method	QC requirement	QC Result
<b>HPLC</b>	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
<b>NMR</b>	$^1H$ NMR in DMSO at 400 MHz consistent with structure	Meets specification
<b>Mass spectrum</b>	Electrospray positive analysis consistent with structure	Meets specification
<b>Microanalysis</b>	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
<b>TLC</b>	TLC analysis in 5% AcOH/EtOAc shows one spot under uv	Meets specification: $R_f=0.45$
<b>Physical appearance</b>	Orange to dark brown solid	Meets specification: Dark Brown Solid
<b>Solubility</b>	Soluble in water to 20 mM	Meets specification

## Biological validation

**Produced by** Huw Davies

Signature

**Passed by** Steve Roome

Signature

Date

03-03-16

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.