

# Certificate of Analysis

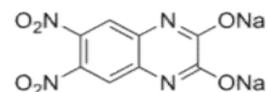


## Product Identification

**Catalog number** HB0262  
**Compound name** DNQX disodium salt  
**Chemical name** 6,7-Dinitroquinoxaline-2,3-dione disodium salt

**Batch number** E2046-5-1  
**Batch molecular formula**  $C_8H_2N_4O_8Na_2 \cdot 2.5H_2O$   
**Batch molecular weight** 341.15

## Chemical Structure



## Method

## QC requirement

## QC Result

<b>HPLC</b>	Reverse Phase HPLC shows >98% purity	Meets specification: 99.2%
<b>NMR</b>	1H NMR in D <sub>2</sub> O at 400 MHz consistent with structure	Meets specification
<b>Mass spectrum</b>	Electrospray negative analysis consistent with structure	Meets specification
<b>Microanalysis</b>	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
<b>Physical appearance</b>	Orange to brown solid	Meets specification: Brown solid
<b>Solubility</b>	Soluble in water (100 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

19/10/2022

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