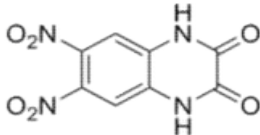


# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0261	
Compound name	DNQX	
Chemical name	6,7-Dinitroquinoxaline-2,3-dione	
Batch number	E2046-4-3	
Batch molecular formula	C <sub>8</sub> H <sub>4</sub> N <sub>4</sub> O <sub>6</sub>	
Batch molecular weight	252.14	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 98.4%
NMR	<sup>1</sup> H NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 20% MeOH/DCM shows one spot under uv	Meets specification: R <sub>f</sub> =0.7
Physical appearance	Off-white to pale yellow solid	Meets specification: Off-white solid
Solubility	Soluble in DMSO (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.