

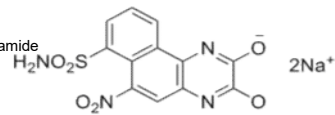
Certificate of Analysis



Product Identification

Catalog number HB0443
Compound name NBQX disodium salt
Chemical name 2,3-Dioxo-6-nitro-1,2,3,4-tetrahydrobenzo[f]quinoxaline-7-sulfonamide disodium salt
Batch number E1709-12-1
Batch molecular formula C₁₂H₈N₄O₆SNa₂·3H₂O
Batch molecular weight 434.29

Chemical Structure



Method

QC requirement

QC Result

HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 98.1%
NMR	1H NMR in D ₂ O at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray negative analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
Physical appearance	Orange to brown solid	Meets specification: Brown solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

12/07/2022

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