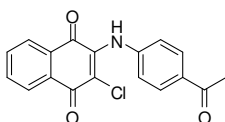




Certificate of Analysis

Axon Catalogue ID: 2702 **Batch Number:** 1
Product Name: NQ301
Alternative Name(s): Compound 211
IUPAC Name: 2-(4-Acetylphenylamino)-3-chloronaphthalene-1,4-dione

Structure:



Amount:

CAS number(s): 130089-98-4
Molecular Formula: C₁₈H₁₂ClNO₃ **Molecular Weight:** 325.75
Batch Molecular Formula: C₁₈H₁₂ClNO₃·0.25H₂O **Batch Molecular Weight:** 330.25
Appearance: Orange solid **Observed mp:** 237 °C
TLC (R_f): 0.62 Hex/EtOAc (1:1)
Chemical Purity: 99.7%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 65.46, H 3.82, N 4.24; Found: C 65.65, H 3.82, N 4.18
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	10.0	30.3	
	EtOH			Not Tested

Remarks: Contains a trace of methanol (0.60 W%)

QC Date: 14-6-2022

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