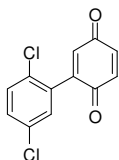




Certificate of Analysis

Axon Catalogue ID: 2723 **Batch Number:** 3
Product Name: TPI-1
Alternative Name(s): N.A.
IUPAC Name: 2-(2,5-Dichlorophenyl)cyclohexa-2,5-diene-1,4-dione

Structure:



Amount:

CAS number(s): 79756-69-7
Molecular Formula: C₁₂H₆Cl₂O₂ **Molecular Weight:** 253.08
Batch Molecular Formula: C₁₂H₆Cl₂O₂ **Batch Molecular Weight:** 253.08
Appearance: Yellow solid **Observed mp:** 118.5 - 121.5 °C
TLC (R_f): 0.5 Hex/EtOAc (4:1)
Chemical Purity: 98.5%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 56.95, H 2.39, N 0.00; Found: C 56.68, H 2.36, N <0.10
Storage Conditions: Desiccate at -20 °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)			Not Tested
	DMSO	25.3	>100 mM	
	EtOH	4.2	16.6	

Remarks: Unstable in a mixture of methanol and water at room temperature.
Contains 0.25 wt% of DCM, determined by NMR.

QC Date: 15-5-2023

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