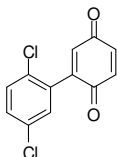


## Certificate of Analysis

**Axon Catalogue ID:** 2723 **Batch Number:** 1  
**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:** C<sub>12</sub>H<sub>6</sub>Cl<sub>2</sub>O<sub>2</sub> **Molecular Weight:** 253.08  
**Batch Molecular Formula:** C<sub>12</sub>H<sub>6</sub>Cl<sub>2</sub>O<sub>2</sub> **Batch Molecular Weight:** 253.08  
**Appearance:** Yellow solid **Observed mp:** 120.5 - 121.0 °C  
**TLC (R<sub>f</sub>):** 0.45 DCM/Hex (4:1)  
**Chemical Purity:** 98.9%  
**<sup>1</sup>H-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 56.78, H 2.48, N < 0.10  
**Storage Conditions:** Desiccate at -20 °C

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			Not Tested

**Remarks:** Unstable in a mixture of methanol and water at room temperature.

**QC Date:** 10-4-2024

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**