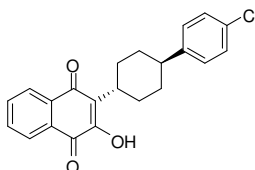


## Certificate of Analysis

**Axon Catalogue ID:** 3527 **Batch Number:** 1  
**Product Name:** Atovaquone  
**Alternative Name(s):** 566C80  
**IUPAC Name:** 2-((1r,4r)-4-(4-Chlorophenyl)cyclohexyl)-3-hydroxynaphthalene-1,4-dione

**Structure:**



**Amount:**

**CAS number(s):** 95233-18-4  
**Molecular Formula:** C<sub>22</sub>H<sub>19</sub>ClO<sub>3</sub> **Molecular Weight:** 366.84  
**Batch Molecular Formula:** C<sub>22</sub>H<sub>19</sub>ClO<sub>3</sub> **Batch Molecular Weight:** 366.84  
**Appearance:** Yellow solid **Observed mp:** 220 - 222 °C  
**TLC (R<sub>f</sub>):** 0.26 Hex/EtoAc (4:1)  
**Chemical Purity:** 100%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 72.03, H 5.22, N 0.00; Found: C 72.04, H 5.11, N <0.10  
**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)			Not Tested
	DMSO	5.6	15.3	* Warming (40°C) and sonication
	EtOH	0.8	2.3	Insoluble

**Remarks:** \* Warming (40°C) and sonication enhanced solubility.

**QC Date:** 18-11-2021

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**