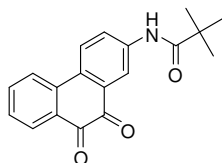




## Certificate of Analysis

**Axon Catalogue ID:** 2186 **Batch Number:** 1  
**Product Name:** SF 1670  
**Alternative Name(s):** N.A.  
**IUPAC Name:** N-(9,10-Dioxo-9,10-dihydrophenanthren-2-yl)pivalamide

**Structure:**



**Amount:**

**CAS number(s):** 345630-40-2  
**Molecular Formula:** C<sub>19</sub>H<sub>17</sub>NO<sub>3</sub> **Molecular Weight:** 307.34  
**Batch Molecular Formula:** C<sub>19</sub>H<sub>17</sub>NO<sub>3</sub>·0.25H<sub>2</sub>O **Batch Molecular Weight:** 311.85  
**Appearance:** Purple solid **Observed mp:** >250 °C  
**TLC (R<sub>f</sub>):** 0.63 DCM/MeOH (18:1)  
**Chemical Purity:** 98.7%  
**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 73.18, H 5.66, N 4.49; Found: C 73.28, H 5.43, N 4.46  
**Storage Conditions:** Store at +4 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	14.0	44.9	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 03-10-2019

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**