



## Certificate of Analysis

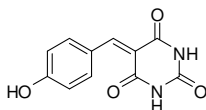
**Axon Catalogue ID:** 3628 **Batch Number:** 1

**Product Name:** MHY-1685

**Alternative Name(s):** N.A.

**IUPAC Name:** 5-(4-Hydroxybenzylidene)pyrimidine-2,4,6(1H,3H,5H)-trione

**Structure:**



**Amount:**

**CAS number(s):** 27406-31-1

**Molecular Formula:** C<sub>11</sub>H<sub>8</sub>N<sub>2</sub>O<sub>4</sub>

**Molecular Weight:** 232.19

**Batch Molecular Formula:** C<sub>11</sub>H<sub>8</sub>N<sub>2</sub>O<sub>4</sub>·0.1H<sub>2</sub>O

**Batch Molecular Weight:** 233.99

**Appearance:** Yellow solid

**Observed mp:** >300 °C

**TLC (R<sub>f</sub>):** N.A.

**Chemical Purity:** >98%

**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure

**Mass Spec:** Analytical data confirm chemical structure

**Microanalysis:** Calculated: C 56.46, H 3.53, N 11.97; Found: C 56.32, H 3.49, N 11.83

**Storage Conditions:** Desiccate at -20 °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)	8.4	36.1	
	0.1N HCl (aq)			Not Tested
	DMSO	13.3	57.0	
	EtOH	0.0	0.0	Insoluble

**Remarks:** Purity based on NMR.

**QC Date:** 18-7-2022

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

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