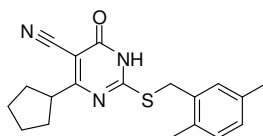




## Certificate of Analysis

**Axon Catalogue ID:** 3326 **Batch Number:** 1  
**Product Name:** HJC0197  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 4-Cyclopentyl-2-(2,5-dimethylbenzylthio)-6-oxo-1,6-dihydropyrimidine-5-carbonitrile

**Structure:**



**Amount:**

**CAS number(s):** 1383539-73-8  
**Molecular Formula:** C<sub>19</sub>H<sub>21</sub>N<sub>3</sub>O S **Molecular Weight:** 339.45  
**Batch Molecular Formula:** C<sub>19</sub>H<sub>21</sub>N<sub>3</sub>O S **Batch Molecular Weight:** 339.45  
**Appearance:** White solid **Observed mp:** 224.5 - 226.5°C  
**TLC (R<sub>f</sub>):** 0.78 DCM/MeOH (9:1)  
**Chemical Purity:** 99.8%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 67.23, H 6.24, N 12.38; Found: C 67.27, H 6.32, N 12.38  
**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	33.9	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 05-11-2020

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**