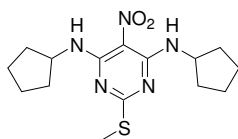




## Certificate of Analysis

**Axon Catalogue ID:** 1820 **Batch Number:** 1  
**Product Name:** GS 39783  
**Alternative Name(s):** N.A.  
**IUPAC Name:** N4,N6-Dicyclopentyl-2-(methylthio)-5-nitropyrimidine-4,6-diamine

**Structure:**



**Amount:**

**CAS number(s):** 39069-52-8  
**Molecular Formula:** C<sub>15</sub>H<sub>23</sub>N<sub>5</sub>O<sub>2</sub>S **Molecular Weight:** 337.44  
**Batch Molecular Formula:** C<sub>15</sub>H<sub>23</sub>N<sub>5</sub>O<sub>2</sub>S **Batch Molecular Weight:** 337.44  
**Appearance:** Yellow solid **Observed mp:** 82 - 84 °C  
**TLC (R<sub>f</sub>):** 0.2 DCM/Heptane (1:1)  
**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 53.39, H 6.87, N 20.75; Found: C 53.47, H 7.00, N 20.82  
**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			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	5.3	15.7	
	EtOH	1.8	5.3	

**Remarks:**

**QC Date:** 13-01-2016

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**