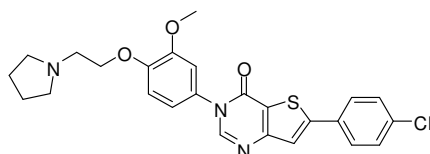


## Certificate of Analysis

**Axon Catalogue ID:** 1569 **Batch Number:** 2  
**Product Name:** GW 803430  
**Alternative Name(s):** GW 3430  
**IUPAC Name:** 6-(4-Chloro-phenyl)-3-[3-methoxy-4-(2-pyrrolidin-1-yl-ethoxy)-phenyl]-3H-thieno[3,2-d]pyrimidin-4-one

**Structure:**



**Amount:**

**CAS number(s):** 515141-51-2  
**Molecular Formula:** C<sub>25</sub>H<sub>24</sub>ClN<sub>3</sub>O<sub>3</sub>S **Molecular Weight:** 481.99  
**Batch Molecular Formula:** C<sub>25</sub>H<sub>24</sub>ClN<sub>3</sub>O<sub>3</sub>S.0.5H<sub>2</sub>O **Batch Molecular Weight:** 491.00  
**Appearance:** Light-brown solid **Observed mp:** 162-8 - 164.2 °C  
**TLC (R<sub>f</sub>):** 0.3 DCM/MeOH/NH<sub>3</sub> (20:1:0.1)  
**Chemical Purity:** 98.1%  
**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 61.15, H 5.13, N 8.56; Found: C 61.23, H 5.09, N 8.46  
**Storage Conditions:** Desiccate at -20 °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)	3.6	7.3	Sonication enhances solubility
	DMSO	14.0	28.5	Sonication enhances solubility
	EtOH			Not Tested

**Remarks:**

**QC Date:** 15-05-2019

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**