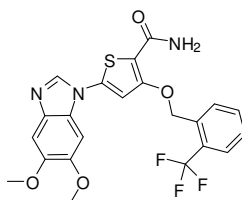




## Certificate of Analysis

**Axon Catalogue ID:** 1131 **Batch Number:** 2  
**Product Name:** GW 843682X  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 5-(5,6-Dimethoxy-benzimidazol-1-yl-3-(2-trifluoromethyl-benzyloxy)-thiophene-2-carboxylic acid amide

**Structure:**



**Amount:**

**CAS number(s):** 660868-91-7  
**Molecular Formula:** C<sub>22</sub>H<sub>18</sub>F<sub>3</sub>N<sub>3</sub>O<sub>4</sub>S **Molecular Weight:** 477.46  
**Batch Molecular Formula:** C<sub>22</sub>H<sub>18</sub>F<sub>3</sub>N<sub>3</sub>O<sub>4</sub>S **Batch Molecular Weight:** 477.46  
**Appearance:** Off-white solid **Observed mp:** 216.7 - 219.0 °C  
**TLC (R<sub>f</sub>):** 0.4 DCM/MeOH (20:1)  
**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 55.34, H 3.80, N 8.80; Found: C 55.22, H 3.96, N 8.71  
**Storage Conditions:** Store at +4 °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)			Not Tested
	DMSO	30.0	62.8	
	EtOH	6.6	13.8	* Warming (40°C)

**Remarks:** \* Warming (40°C) enhanced solubility.

**QC Date:** 24-3-2021

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**