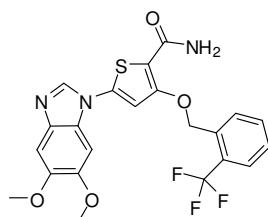


Certificate of Analysis

Axon Catalogue ID: 1131 **Batch Number:** 1
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: C₂₂H₁₈F₃N₃O₄S **Molecular Weight:** 477.46
Batch Molecular Formula: C₂₂H₁₈F₃N₃O₄S **Batch Molecular Weight:** 477.46
Appearance: Pale-pink solid **Observed mp:** 213.5 - 215.5 °C
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 99.2%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): 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 ND, H ND, N ND
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	47.7	>100 mM	
	EtOH	4.0	8.4	

Remarks:

QC Date: 10-01-2019

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only