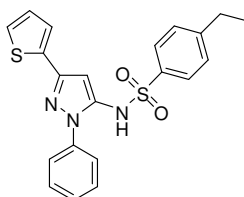




Certificate of Analysis

Axon Catalogue ID: 1890 **Batch Number:** 2
Product Name: HSF1A
Alternative Name(s): N.A.
IUPAC Name: 4-Ethyl-N-(1-phenyl-3-(thiophen-2-yl)-1H-pyrazol-5-yl)benzenesulfonamide

Structure:



Amount:

CAS number(s): 1196723-93-9
Molecular Formula: C₂₁H₁₉N₃O₂S₂ **Molecular Weight:** 409.52
Batch Molecular Formula: C₂₁H₁₉N₃O₂S₂ **Batch Molecular Weight:** 409.52
Appearance: Off-white solid **Observed mp:** 154 °C
TLC (R_f): 0.4 Hex/EtOAc (2:1)
Chemical Purity: 99.0%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 61.59, H 4.68, N 10.26; Found: C 61.42, H 4.49, N 10.21
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	41.0	>100 mM	
	EtOH	18.4	44.9	

Remarks: Solubility in MeOH: 37.6 mg/ml (91.8 mM)

QC Date: 10-09-2019

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