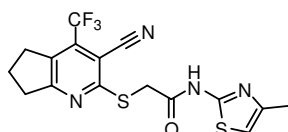




Certificate of Analysis

Axon Catalogue ID: 1656 **Batch Number:** 1
Product Name: Irestatin 9389
Alternative Name(s): N.A.
IUPAC Name: 2-(3-Cyano-4-(trifluoromethyl)-6,7-dihydro-5H-cyclopenta[b]pyridin-2-ylthio)-N-(4-methylthiazol-2-yl)acetamide

Structure:



Amount:

CAS number(s): 626221-47-4
Molecular Formula: C₁₆H₁₃F₃N₄O₂ **Molecular Weight:** 398.43
Batch Molecular Formula: C₁₆H₁₃F₃N₄O₂ **Batch Molecular Weight:** 398.43
Appearance: White solid **Observed mp:** 191.0 - 191.4 °C
TLC (R_f): 0.85 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 46.23, H 3.29, N 14.06; Found: C ND, H ND, N ND
Storage Conditions: Desiccate 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	31.3	78.6	
	EtOH			Not Tested

Remarks:

QC Date: 15-10-2018

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