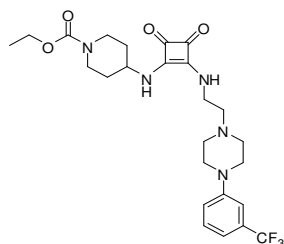




Certificate of Analysis

Axon Catalogue ID: 2778 **Batch Number:** 1
Product Name: Squarunkin A
Alternative Name(s): N.A.
IUPAC Name: Ethyl 4-(3,4-dioxo-2-(2-(4-(3-(trifluoromethyl)phenyl)piperazin-1-yl)ethylamino)cyclobut-1-enylamino)piperidine-1-carboxylate

Structure:



Amount:

CAS number(s): 2101958-02-3
Molecular Formula: C₂₅H₃₂F₃N₅O₄ **Molecular Weight:** 523.55
Batch Molecular Formula: C₂₅H₃₂F₃N₅O₄.0.25H₂O **Batch Molecular Weight:** 528.05
Appearance: White solid **Observed mp:** 249.1 - 250.6 °C
TLC (R_f): 0.7 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 56.86, H 6.20, N 13.26; Found: C 56.89, H 6.10, N 13.23
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	22.0	41.7	
	EtOH			Not Tested

Remarks:

QC Date: 13-11-2018

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