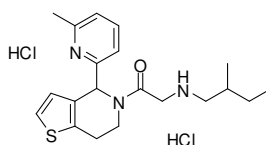




Certificate of Analysis

Axon Catalogue ID: 2673 **Batch Number:** 1
Product Name: RUSKI-201 dihydrochloride
Alternative Name(s): N.A.
IUPAC Name: 2-(2-Methylbutylamino)-1-(4-(6-methylpyridin-2-yl)-6,7-dihydrothieno[3,2-c]pyridin-5(4H)-yl)ethanone dihydrochloride

Structure:



Amount:

CAS number(s): 1458031-48-5 (parent), 2320262-09-5 (HCl (1:2))
Molecular Formula: C₂₀H₂₇N₃O₂S·2HCl **Molecular Weight:** 430.43
Batch Molecular Formula: C₂₀H₂₇N₃O₂S·2HCl **Batch Molecular Weight:** 430.43
Appearance: Light-brown solid **Observed mp:** 84 - 86 °C
TLC (R_f): 0.5 DCM/MeOH (20:1)
Chemical Purity: 98.2%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 55.81, H 6.79, N 9.76; Found: C 55.85, H 6.71, N 9.74
Storage Conditions: Desiccate at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	18.0	41.8	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	43.0	>100 mM	
	EtOH			Not Tested

Remarks: Material is hygroscopic.

QC Date: 1-4-2022

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