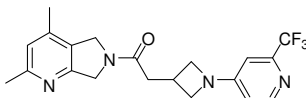




Certificate of Analysis

Axon Catalogue ID: 4086 **Batch Number:** 1
Product Name: Emraclidine
Alternative Name(s): CVL231
IUPAC Name: 1-(2,4-Dimethyl-5H-pyrrolo[3,4-b]pyridin-6(7H)-yl)-2-(1-(2-(trifluoromethyl)pyridin-4-yl)azetidin-3-yl)ethanone

Structure:



Amount:

CAS number(s): 2170722-84-4
Molecular Formula: C₂₀H₂₁F₃N₄O **Molecular Weight:** 390.40
Batch Molecular Formula: C₂₀H₂₁F₃N₄O.1.5H₂O **Batch Molecular Weight:** 417.43
Appearance: White solid **Observed mp:** 177 - 182 °C
TLC (R_f): 0.58 DCM/MeOH (9:1)
Chemical Purity: 99.5%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 57.55, H 5.80, N 13.42; Found: C 57.44, H 5.48, N 13.18
Storage Conditions: Store at +4 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	0.0	0.0	Insoluble
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)	17.0	40.7	
DMSO	41.7	>100 mM	
EtOH	40.0	95.8	

Remarks:

QC Date: 28-11-2023

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