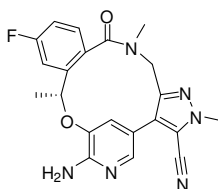




Certificate of Analysis

Axon Catalogue ID: 2600 **Batch Number:** 1
Product Name: PF 06463922
Alternative Name(s): Lorlatinib
IUPAC Name: (16R)-19-Amino-13-fluoro-4,8,16-trimethyl-9-oxo-17-oxa-4,5,8,20-tetrazatetracyclo[16.3.1.0.2,6.0.10,15]docosa-1(22),2,5,10(15),11,13,18,20-octaene-3-carbonitrile

Structure:



Amount:

CAS number(s): 1454846-35-5
Molecular Formula: C₂₁H₁₉FN₆O₂ **Molecular Weight:** 406.41
Batch Molecular Formula: C₂₁H₁₉FN₆O₂.0.5H₂O **Batch Molecular Weight:** 415.42
Appearance: Off-white solid **Observed mp:** 170 - 171 °C
TLC (R_f): 0.58 DCM/MeOH (9:1)
Chemical Purity: 99.5%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 60.72, H 4.85, N 20.23; Found: C 61.05, H 4.72, N 19.95
Storage Conditions: Store at -20 °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	41.5	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 17-8-2021

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