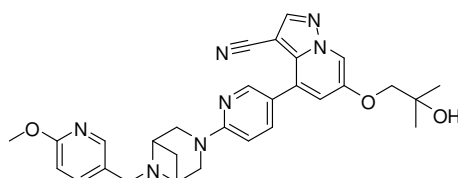




Certificate of Analysis

Axon Catalogue ID: 3195 **Batch Number:** 1
Product Name: Selpercatinib
Alternative Name(s): LOXO-292
IUPAC Name: 6-(2-Hydroxy-2-methylpropoxy)-4-(6-((6-methoxy-3-pyridin-3-yl)methyl)-3,6-diazabicyclo[3.1.1]heptan-3-yl)pyridin-3-yl)pyrazolo[1,5-a]pyridine-3-carbonitrile

Structure:



Amount:

CAS number(s): 2152628-33-4
Molecular Formula: C₂₉H₃₁N₇O₃ **Molecular Weight:** 525.60
Batch Molecular Formula: C₂₉H₃₁N₇O₃.0.5H₂O **Batch Molecular Weight:** 534.61
Appearance: Off-white solid **Observed mp:** 207.9 - 210.1 °C
TLC (R_f): 0.49 DCM/MeOH (9:1)
Chemical Purity: 99.0%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 65.15, H 6.03, N 18.34; Found: C 64.88, H 5.81, N 18.73
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)	8.0	15.0	
	DMSO	10.3	19.3	* Warming (40°C)
	EtOH			Not Tested

Remarks: * Warming (40°C) enhanced solubility.

QC Date: 07-07-2020

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