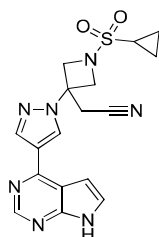




Certificate of Analysis

Axon Catalogue ID: 4393 **Batch Number:** 1
Product Name: Ilunocitinib
Alternative Name(s): LY3411067
IUPAC Name: (1-(Cyclopropylsulfonyl)-3-(4-(1,5,7-triaza-1H-inden-4-yl)-1-pyrazolyl)-3-azetidynyl)acetonitrile

Structure:



Amount:

CAS number(s): 1187594-14-4
Molecular Formula: C₁₇H₁₇N₇O₂S **Molecular Weight:** 383.43
Batch Molecular Formula: C₁₇H₁₇N₇O₂S **Batch Molecular Weight:** 383.43
Appearance: White solid **Observed mp:** 220.6 - 222.5 °C
TLC (R_f): 0.66 EtOAc/ACN (4:1)
Chemical Purity: 99.7%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 53.25, H 4.47, N 25.57; Found: C 53.15, H 4.44, N 25.51
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)	20.0	52.2	
	DMSO	38.3	>100 mM	
	EtOH	0.0	0.0	Insoluble

Remarks:

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