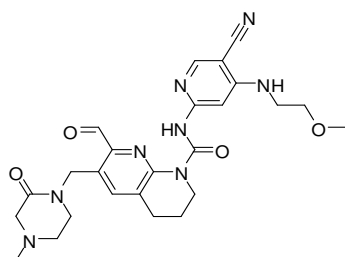




Certificate of Analysis

Axon Catalogue ID: 2953 **Batch Number:** 1
Product Name: Roblitinib
Alternative Name(s): FGF 401; NVP-FGF401
IUPAC Name: N-(5-Cyano-4-(2-methoxyethylamino)pyridin-2-yl)-7-formyl-6-((4-methyl-2-oxopiperazin-1-yl)methyl)-3,4-dihydro-1,8-naphthyridine-1(2H)-carboxamide

Structure:



Amount:

CAS number(s): 1708971-55-4
Molecular Formula: C₂₅H₃₀N₈O₄ **Molecular Weight:** 506.56
Batch Molecular Formula: C₂₅H₃₀N₈O₄ **Batch Molecular Weight:** 506.56
Appearance: White solid **Observed mp:** 216.5 - 218.3 °C
TLC (R_f): 0.7 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 59.28, H 5.97, N 22.12; Found: C 59.32, H 5.93, N 22.15
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)	22.0	43.4	
	DMSO	7.5	14.8	Sonication (40°C) enhances solubility
	EtOH			Not Tested

Remarks:

QC Date: 29-04-2019

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