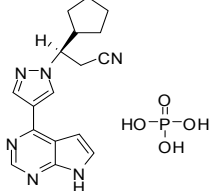




Certificate of Analysis

Axon Catalogue ID:	1598	Batch Number:	3	
Product Name:	Ruxolitinib			
Alternative Name(s):	INCB 018424 phosphate			
IUPAC Name:	β -cyclopentyl-4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-(BR)-1H-Pyrazole-1-propanenitrile phosphate			
Structure:		Amount:		
CAS number:	1092939-17-7			
Batch Molecular Formula:	C ₁₇ H ₁₈ N ₆ .H ₃ PO ₄	Batch MW:	404.36	
Appearance:	White Solid	Observed m.p.:	167-170°C	
TLC (R_f):	0.5 9:1 Ethylacetate/Hexane			
Chemical Purity:	99.7%	Wavelength for purity check:	310 nm	
Optical Purity (ee):	100%			
1H-NMR (300 MHz):	Analytical data confirm chemical structure			
Mass Spec:	Analytical data confirm chemical structure			
Microanalysis:	Not available			
Storage Conditions:	Store at	<4°C		
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	20.00	49.46	Soluble upon sonification
	1eq. NaOH			Insoluble
	1eq. HCl			Not tested
	DMSO	20.00	49.46	Soluble
	EtOH	10.00	24.73	Soluble
Remarks:				
Quality controller:	M. Brandsma, MSc.	Date:	1/5/2012	

The purity of Axon products 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 Axon Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only