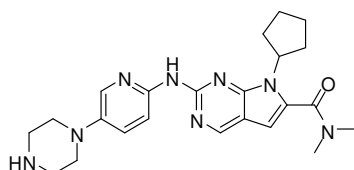




Certificate of Analysis

Axon Catalogue ID: 2273 **Batch Number:** 1
Product Name: LEE 011
Alternative Name(s): Ribociclib
IUPAC Name: 7-Cyclopentyl-N,N-dimethyl-2-(5-(piperazin-1-yl)pyridin-2-ylamino)-7H-pyrrolo[2,3-d]pyrimidine-6-carboxamide

Structure:



Amount:

CAS number(s): 1211441-98-3
Molecular Formula: C₂₃H₃₀N₈O **Molecular Weight:** 434.54
Batch Molecular Formula: C₂₃H₃₀N₈O.0.25H₂O **Batch Molecular Weight:** 439.04
Appearance: Light-yellow solid **Observed mp:** 198 - 200 °C
TLC (R_f): 0.2 DCM/MeOH (4:1)
Chemical Purity: 99.9%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 62.92, H 7.00, N 25.52; Found: C 63.03, H 6.88, N 25.59
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)	14.7	33.4	
	DMSO	18.7	42.6	
	EtOH			Not Tested

Remarks:

QC Date: 29-03-2019

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