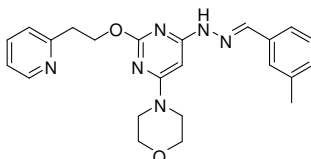


Certificate of Analysis

Axon Catalogue ID: 1369 **Batch Number:** 2
Product Name: Apilimod
Alternative Name(s): STA 5226
IUPAC Name: (E)-4-(6-(2-(3-Methylbenzylidene)hydrazinyl)-2-(pyridin-2-yl)ethoxy)pyrimidin-4-yl)morpholine

Structure:



Amount:

CAS number(s): 541550-19-0
Molecular Formula: C₂₃H₂₆N₆O₂ **Molecular Weight:** 418.49
Batch Molecular Formula: C₂₃H₂₆N₆O₂ **Batch Molecular Weight:** 418.49
Appearance: White solid **Observed mp:** 162 - 164 °C
TLC (R_f): 0.3 EtOAc
Chemical Purity: 99.7%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 66.01, H 6.26, N 20.08; Found: C 65.99, H 6.24, N 20.16
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)	18.0	43.0	
	DMSO	41.8	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 24-6-2021

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