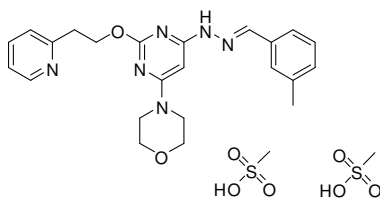




Certificate of Analysis

Axon Catalogue ID: 2500 **Batch Number:** 3
Product Name: Apilimod dimesylate
Alternative Name(s): STA 5326 dimesylate
IUPAC Name: 4-(6-(2-(3-Methylbenzylidene)hydrazinyl)-2-(2-(pyridin-2-yl)ethoxy)pyrimidin-4-yl)morpholine dimethanesulfonate

Structure:



Amount:

CAS number(s): 541550-19-0 (parent), 870087-36-8 (mesylate salt (1:2))
Molecular Formula: C₂₃H₂₆N₆O₂.2CH₄O₃S **Molecular Weight:** 610.70
Batch Molecular Formula: C₂₃H₂₆N₆O₂.2CH₄O₃S.3.25H₂O **Batch Molecular Weight:** 669.25
Appearance: White solid **Observed mp:** 76 - 77 °C
TLC (R_f): 0.3 DCM/MeOH (20:1)
Chemical Purity: 99.4%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 44.87, H 6.10, N 12.56; Found: C 44.68, H 5.83, N 12.42
Storage Conditions: Desiccate at -20 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	66.9	>100 mM	
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	66.9	>100 mM	
EtOH	66.9	>100 mM	

Remarks: Thermally unstable; store both solid material and stock solutions as cold as possible. It is recommended to use freshly prepared stock solutions for your experiments.

QC Date: 29-6-2023

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