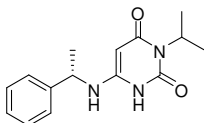




Certificate of Analysis

Axon Catalogue ID: 2683 **Batch Number:** 1
Product Name: MYK-461
Alternative Name(s): Mavacamten; SAR439152
IUPAC Name: (S)-3-Isopropyl-6-(1-phenylethylamino)pyrimidine-2,4(1H,3H)-dione

Structure:



Amount:

CAS number(s): 1642288-47-8
Molecular Formula: C₁₅H₁₉N₃O₂ **Molecular Weight:** 273.33
Batch Molecular Formula: C₁₅H₁₉N₃O₂ **Batch Molecular Weight:** 273.33
Appearance: Off-white solid **Observed mp:** 241.7 - 243.7 °C
TLC (R_f): 0.5 DCM/MeOH (20:1)
Chemical Purity: 100%
Optical Purity (ee): Optically pure
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 65.91, H 7.01, N 15.37; Found: C 65.70, H 6.91, N 15.43
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	8.0	29.3	
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	27.3	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 14-6-2022

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