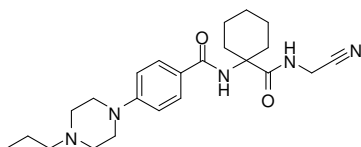




Certificate of Analysis

Axon Catalogue ID: 2154 **Batch Number:** 1
Product Name: Balicatib
Alternative Name(s): AAE 581
IUPAC Name: N-(1-(Cyanomethylcarbamoyl)cyclohexyl)-4-(4-propylpiperazin-1-yl)benzamide

Structure:



Amount:

CAS number(s): 354813-19-7
Molecular Formula: C₂₃H₃₃N₅O₂ **Molecular Weight:** 411.54
Batch Molecular Formula: C₂₃H₃₃N₅O₂·0.25H₂O **Batch Molecular Weight:** 416.04
Appearance: White solid **Observed mp:** 218.2 °C
TLC (R_f): 0.5 DMC/MeOH (9:1)
Chemical Purity: 99.6%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 66.40, H 8.12, N 16.83; Found: C 66.62, H 8.48, N 16.96
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	23.0	55.3	
	EtOH			Not Tested

Remarks:

QC Date: 25-11-2020

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