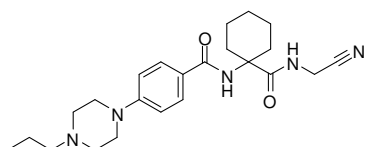




Certificate of Analysis

Axon Catalogue ID: 2154 **Batch Number:** 2
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 **Batch Molecular Weight:** 411.54
Appearance: White solid **Observed mp:** 214.0 - 217.3 °C
TLC (R_f): 0.68 DCM/MeOH (9:1)
Chemical Purity: 99.7%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 67.12, H 8.08, N 17.02; Found: C 67.22, H 8.18, N 17.16
Storage Conditions: Store at +4 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	0.0	0.0	Insoluble
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)	28.0	68.0	
DMSO	29.3	71.2	
EtOH	3.0	7.3	

Remarks:

QC Date: 25-11-2021

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