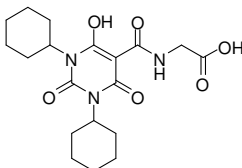




Certificate of Analysis

Axon Catalogue ID: 3615 **Batch Number:** 1
Product Name: GSK1278863
Alternative Name(s): Daprodustat
IUPAC Name: 2-(1,3-Dicyclohexyl-6-hydroxy-2,4-dioxo-1,2,3,4-tetrahydropyrimidine-5-carboxamido)acetic acid

Structure:



Amount:

CAS number(s): 960539-70-2
Molecular Formula: C₁₉H₂₇N₃O₆ **Molecular Weight:** 393.43
Batch Molecular Formula: C₁₉H₂₇N₃O₆ **Batch Molecular Weight:** 393.43
Appearance: White solid **Observed mp:** 234 - 239 °C
TLC (R_f): 0.59 DCM/MeOH/AcOH (20:1:0.1)
Chemical Purity: 99.7%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 58.00, H 6.92, N 10.68; Found: C 57.86, H 6.65, N 10.68
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)	10.0	25.4	
	0.1N HCl (aq)			Not Tested
	DMSO	4.6	11.7	* Warming (40°C) and sonication
	EtOH	5.0	12.7	

Remarks: * Warming (40°C) and sonication enhanced solubility.

QC Date: 30-5-2022

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