



Certificate of Analysis

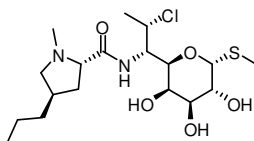
Axon Catalogue ID: 2063 **Batch Number:** 1

Product Name: Clindamycin

Alternative Name(s): Dalacine; U 21251

IUPAC Name: (2S,4R)-N-((1S,2S)-2-Chloro-1-((2R,3R,4S,5R,6R)-3,4,5-trihydroxy-6-(methylthio)tetrahydro-2H-pyran-2-yl)propyl)-1-methyl-4-propylpyrrolidine-2-carboxamide

Structure:



Amount:

CAS number(s): 18323-44-9

Molecular Formula: C₁₈H₃₃ClN₂O₅S **Molecular Weight:** 424.98

Batch Molecular Formula: C₁₈H₃₃ClN₂O₅S.1H₂O **Batch Molecular Weight:** 443.00

Appearance: White solid **Observed mp:** 69 - 70 °C

TLC (R_f): 0.95 DCM/MeOH (9:1)

Chemical Purity: 99.3%

Optical Purity (ee): N.A.

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 48.80, H 7.96, N 6.32; Found: C 48.56, H 8.07, N 6.12

Storage Conditions: Store at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	44.3	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 19-8-2021

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