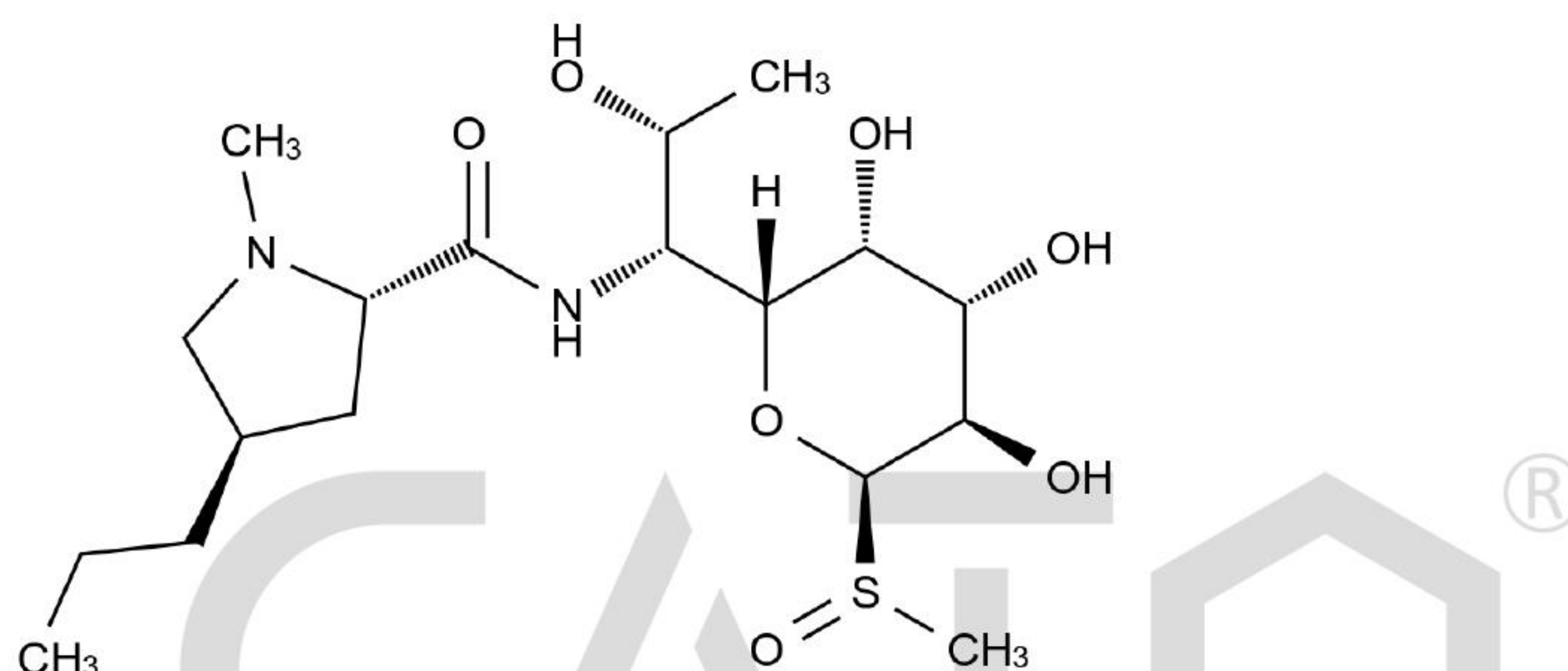


Certificate of Analysis

Reference Material

Product Name:	Lincomycin Sulfoxide (Mixture of Diastereomers)	Catalogue Number:	C4X-134233
Chemical Name:	N/A	Lot Number:	0331-RE-0015
CAS Number:	22083-92-7	Expiry Date:	Mar 31, 2025
Molecular Formula:	C18H34N2O7S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	422.54		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	97.7147%
Water Content	Karl Fischer	1.8%
Residual Solvents	NMR	0.7% methanol
Optical Rotation		$[\alpha]_{D25.0}(c=0.42, CHCl_3)$: +76.0°
Assay		95.3%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nacy

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Apr 01, 2022

Date: Mar 31, 2023

Date: Mar 31, 2023

