

Certificate of Analysis

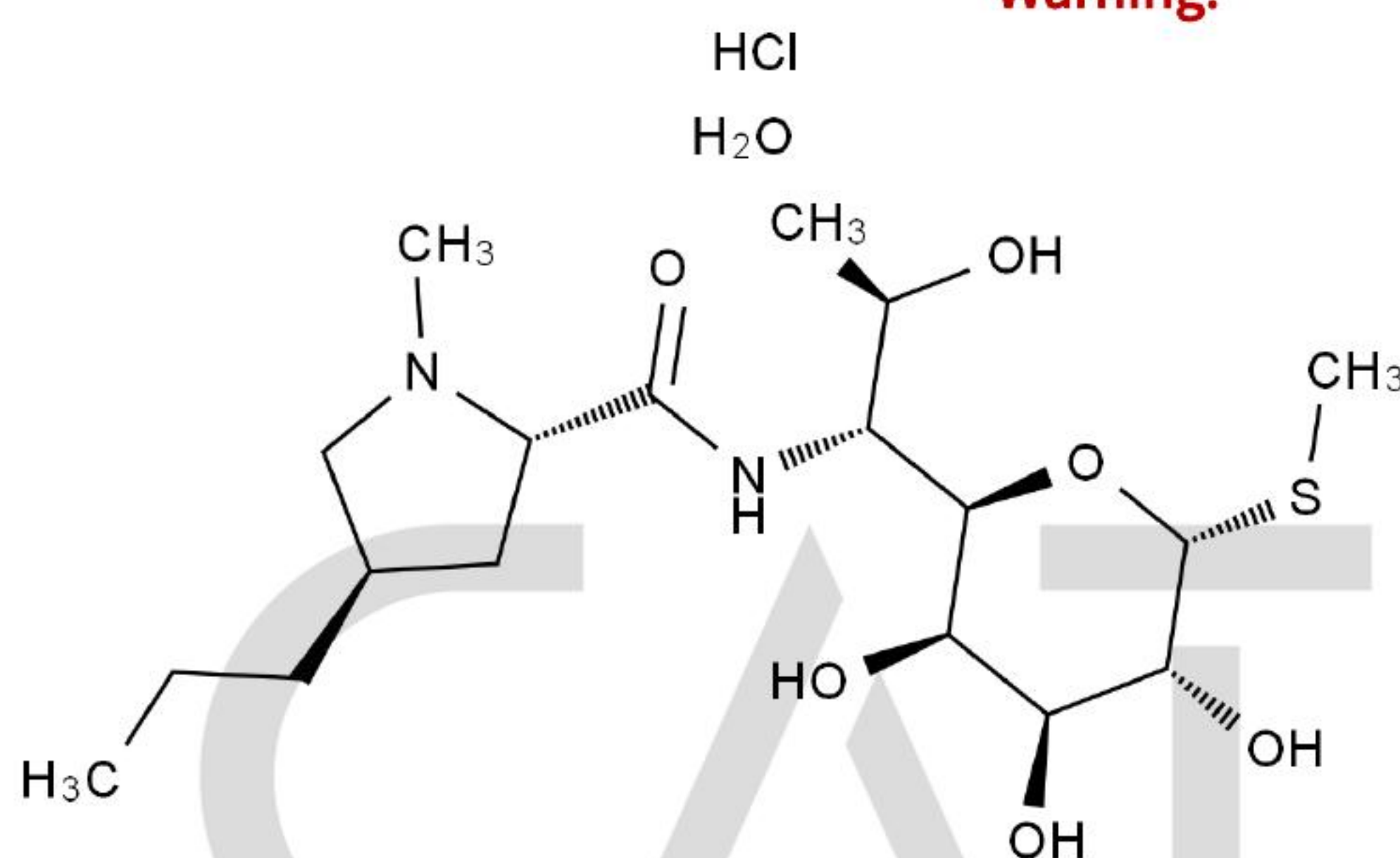
Reference Material & Standard

Product Name:	Lincomycin Hydrochloride Monohydrate	Catalogue Number:	CCAD300283
Synonyms:	N/A	Lot Number:	0702-RH-0045
CAS Number:	7179-49-9	Expiry Date:	Jul 08, 2030
Molecular Formula:	C ₁₈ H ₃₄ N ₂ O ₆ S HCl H ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	406.54 36.46 18.02	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.927%
Residue on Ignition	TGA	0.2441%
Loss on Drying	TGA	4.6672%
Loss on Drying(Free Water)	TGA	0.7585%
Assay		96.0%
Uncertainty		±0.6%

Comment:

- The content of crystal water is 3.9087%.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
Assay (%) = (100%-Residue on Ignition-Loss on Drying(Free Water)) * Purity HPLC (%) / 100%
Residue on Ignition and Loss on Drying(Free Water) are considered as absolute effect, HPLC purity is considered as relative effect.
- The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

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Reviewed by:

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David

Date: Jul 09, 2026

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