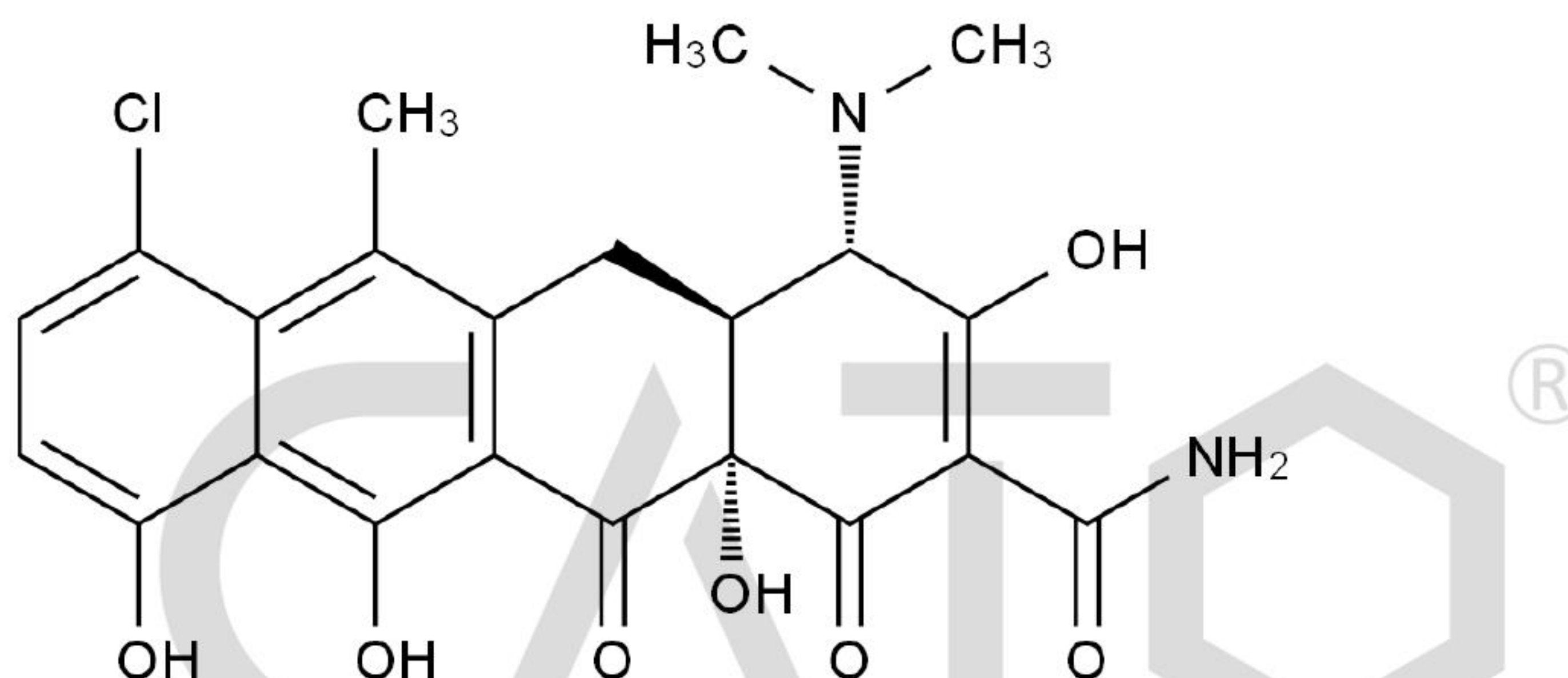


Certificate of Analysis

Reference Material & Standard

Product Name:	Anhydrochlortetracycline	Catalogue Number:	CCAD301158
Synonyms:	N/A	Lot Number:	0327-RH-0132
CAS Number:	4497-08-9	Expiry Date:	Mar 17, 2029
Molecular Formula:	C ₂₂ H ₂₁ ClN ₂ O ₇	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	460.86	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Orange Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.4%
Residual Solvents	NMR	0.1% acetonitrile
Specific Rotation		[α] _D ^{25.0} (c=0.57, 2-ethoxy-ethanol): +7.4°
Assay	qNMR	92.8%
Uncertainty		±1.4%

Comment:

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:

Prepared by:

Lisa

Reviewed by:

Yuki

Approved by General Manager:

David

Date: Mar 31, 2026

Date: Mar 31, 2026

Date: Mar 31, 2026

