

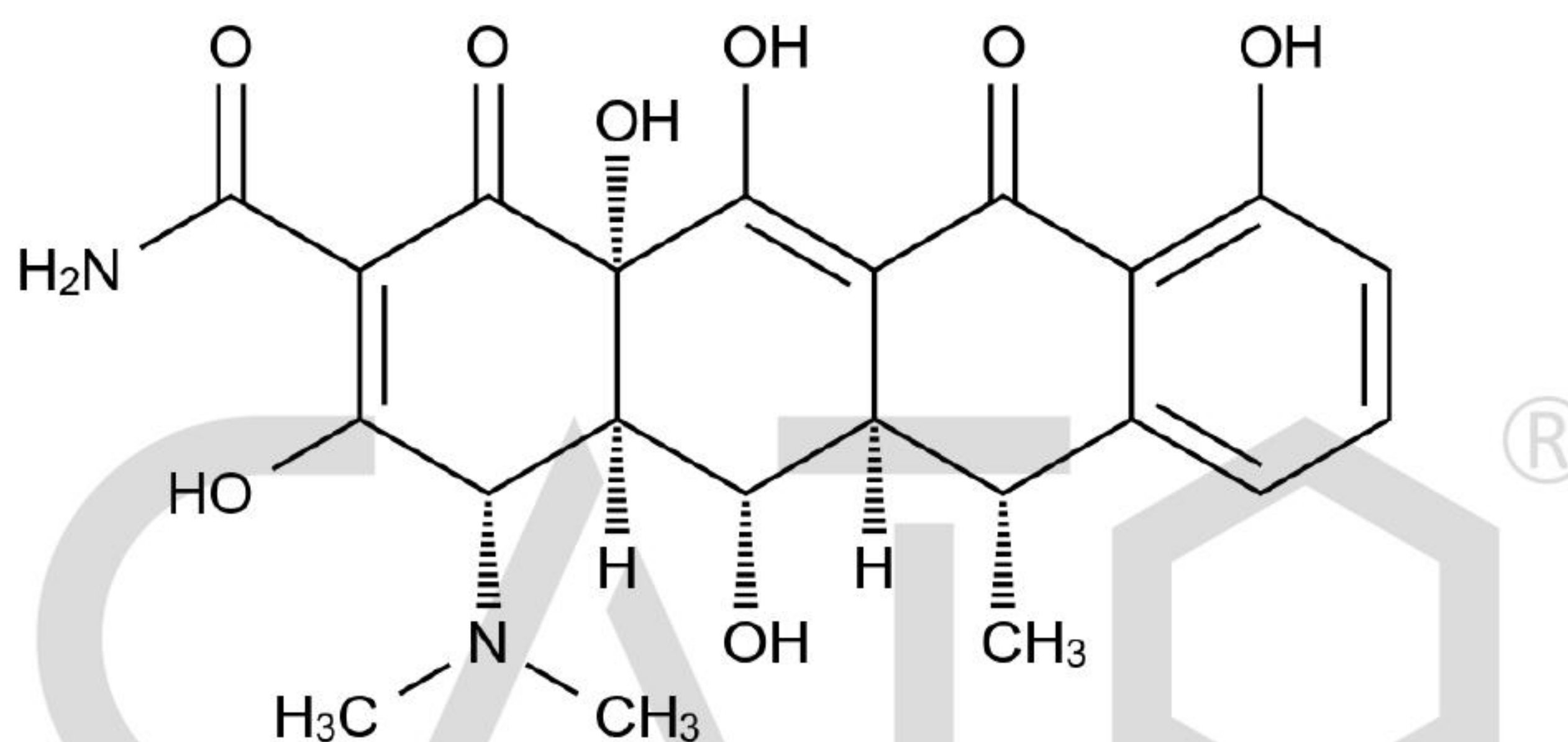
Certificate of Analysis

Reference Material & Standard

Product Name:	Doxycycline Hydrochloride	Catalogue Number:	CCAD300848
Synonyms:	N/A	Lot Number:	0524-RC-0024
CAS Number:	10592-13-9	Expiry Date:	Mar 05, 2028
Molecular Formula:	C ₂₂ H ₂₄ N ₂ O ₈ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	444.43 36.46	Warning:	



Chemical Structure: HCl



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.6%
Residual Solvents	NMR	4.6% Ethanol
Assay	qNMR	92.8%
Uncertainty		±1.3%

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:

Hinlam

Approved by General Manager:

David

Date: Aug 20, 2025

Date: Aug 20, 2025

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