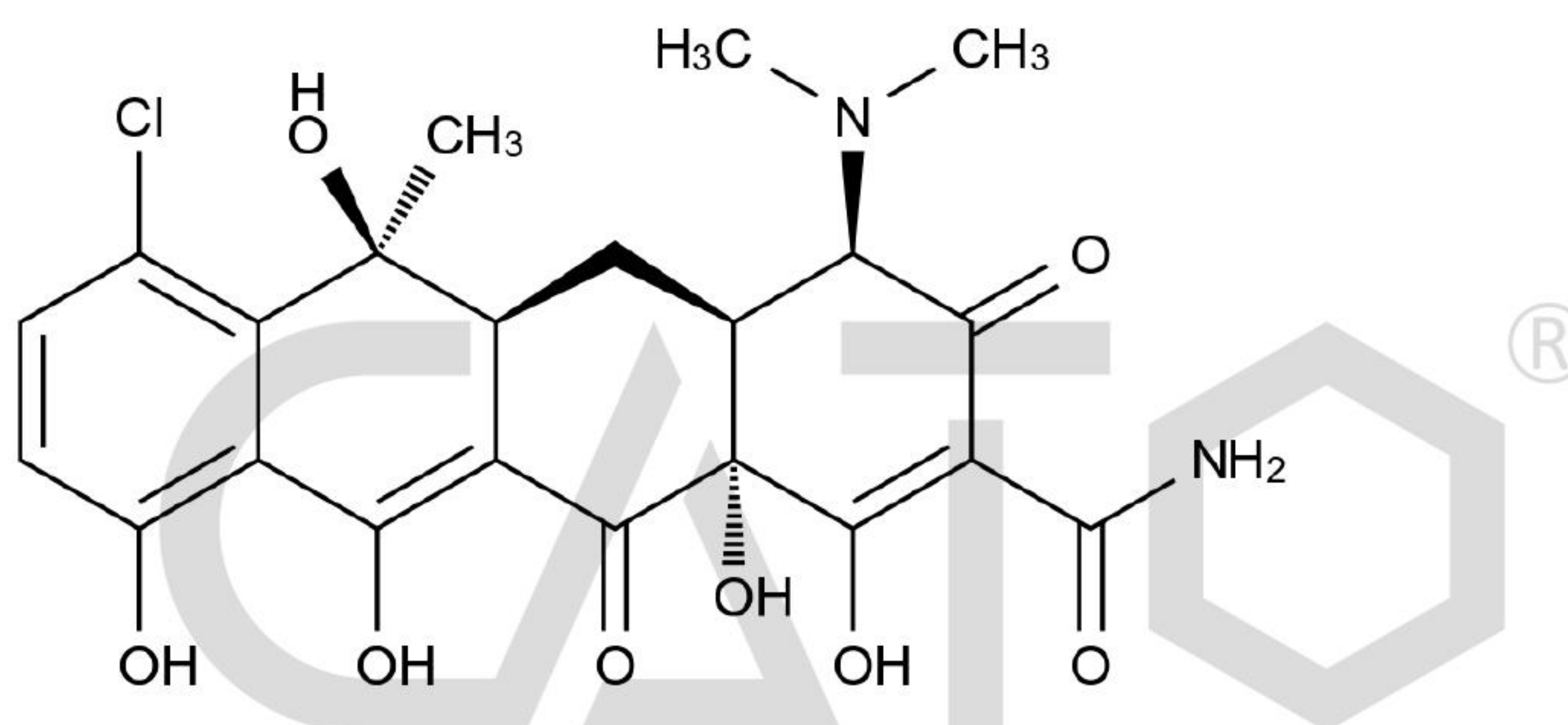


Certificate of Analysis

Reference Material & Standard

Product Name:	Chlortetracycline EP Impurity A	Catalogue Number:	C4X-23301
Synonyms:	4-Epichlortetracycline hydrochloride	Lot Number:	1125-RG-0023
CAS Number:	14297-93-9	Expiry Date:	Nov 26, 2029
Molecular Formula:	C ₂₂ H ₂₃ ClN ₂ O ₈	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	478.88	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	91.6%
Assay	qNMR	87.8%

Signature:

Prepared by:

Jim

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Dec 01, 2025

Date: Dec 08, 2025

Date: Dec 08, 2025



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

