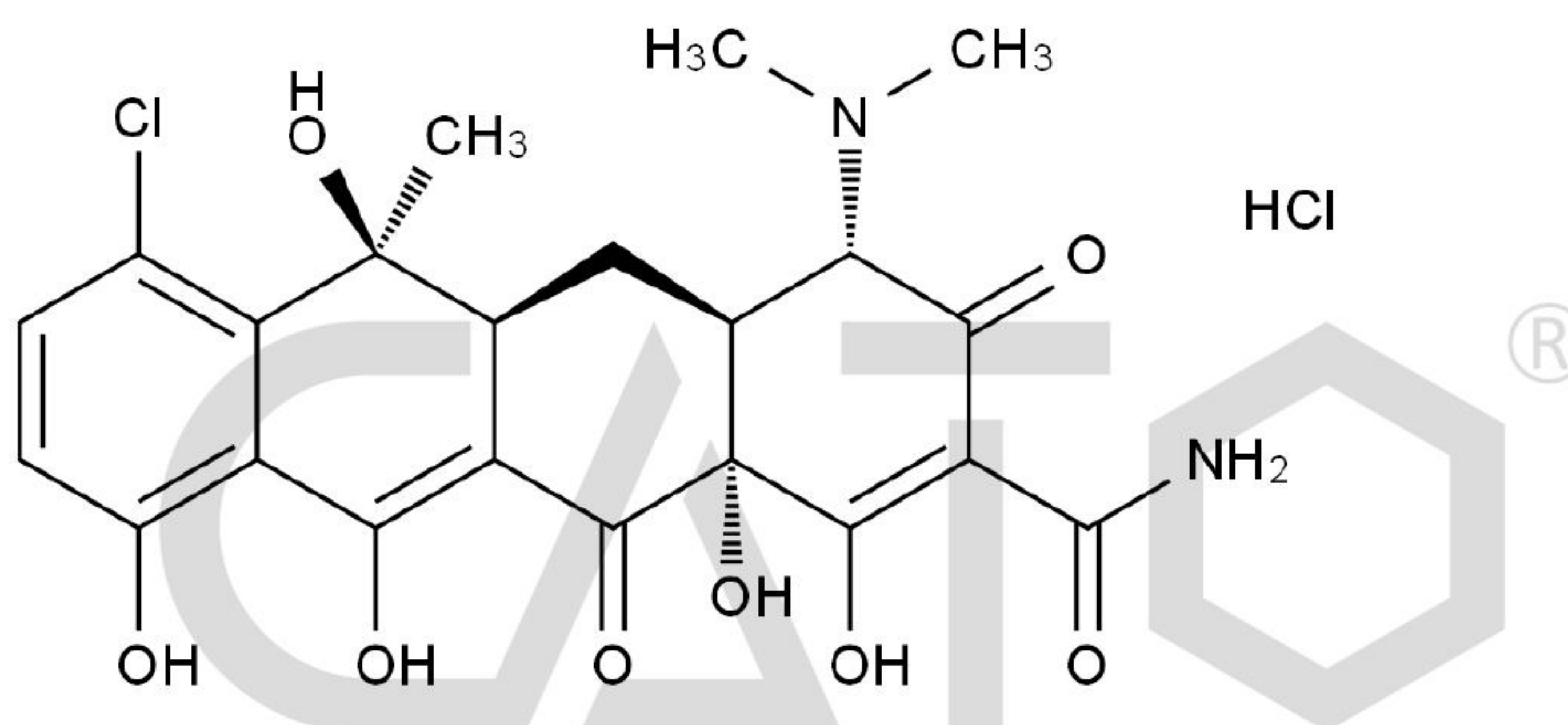


Certificate of Analysis

Reference Material & Standard

Product Name:	Chlortetracycline hydrochloride	Catalogue Number:	C4X-2330
Synonyms:	N/A	Lot Number:	0930-RH-0001
CAS Number:	64-72-2	Expiry Date:	Mar 29, 2030
Molecular Formula:	C ₂₂ H ₂₃ ClN ₂ O ₈ HCl	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	478.88 36.46	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	90.397%
Residue on Ignition	TGA	0.1478%
Loss on Drying	TGA	0.3866%
Assay	Mass Balance	89.9%

Comment:

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

Assay (%) = (100% - Residue on Ignition - Loss on Drying) * Purity HPLC (%) / 100%

Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Sep 30, 2026

Date: Sep 30, 2026

Date: Sep 30, 2026



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