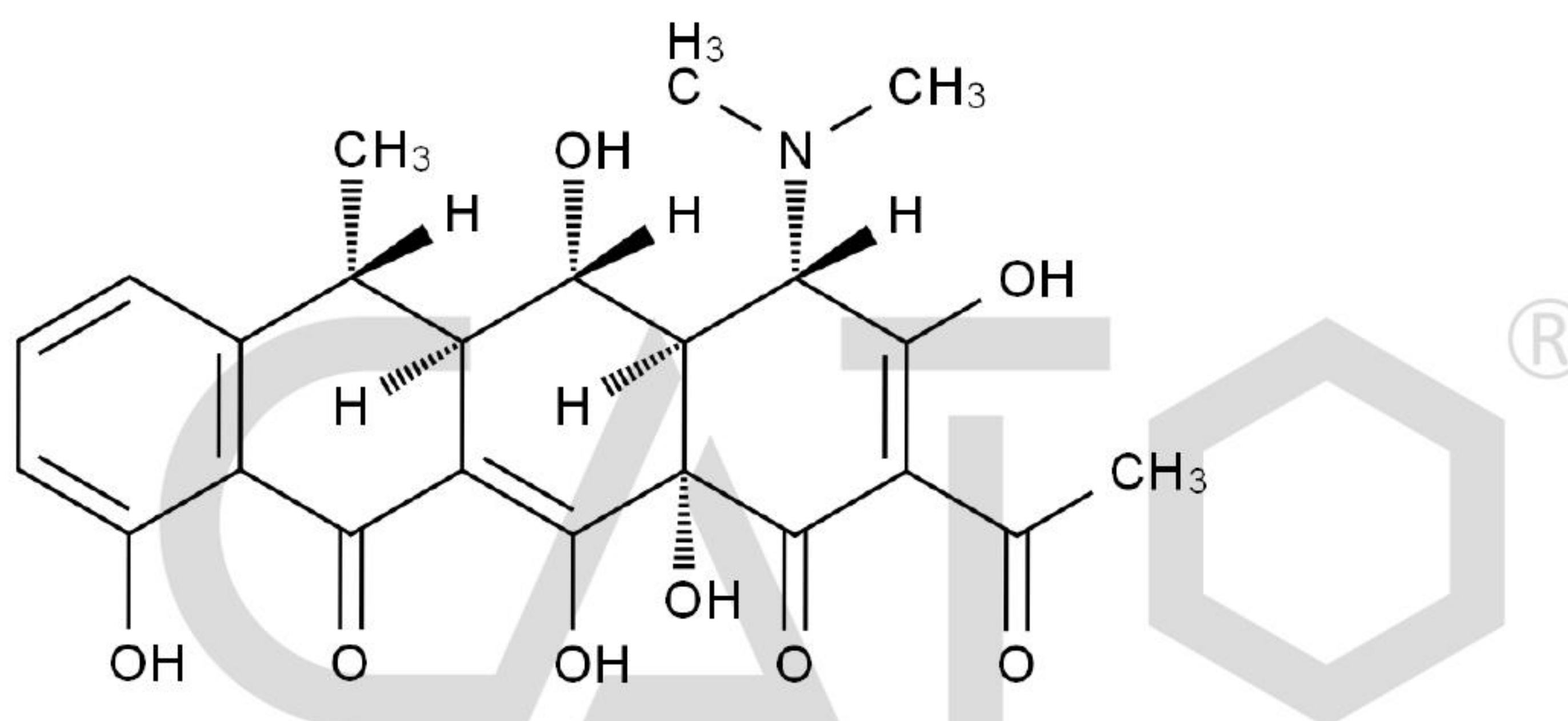


Certificate of Analysis

Reference Material & Standard

Product Name:	Doxycycline EP Impurity F	Catalogue Number:	C4X-19316
Synonyms:	N/A	Lot Number:	1209-RG-0013
CAS Number:	122861-53-4	Expiry Date:	Dec 14, 2029
Molecular Formula:	C ₂₃ H ₂₅ NO ₈	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	443.45	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	96.797%
Loss On Drying	TGA	3.445%
Assay		93.5%

Comment:

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

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Dec 19, 2025

Date: Dec 19, 2025

Date: Dec 19, 2025



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