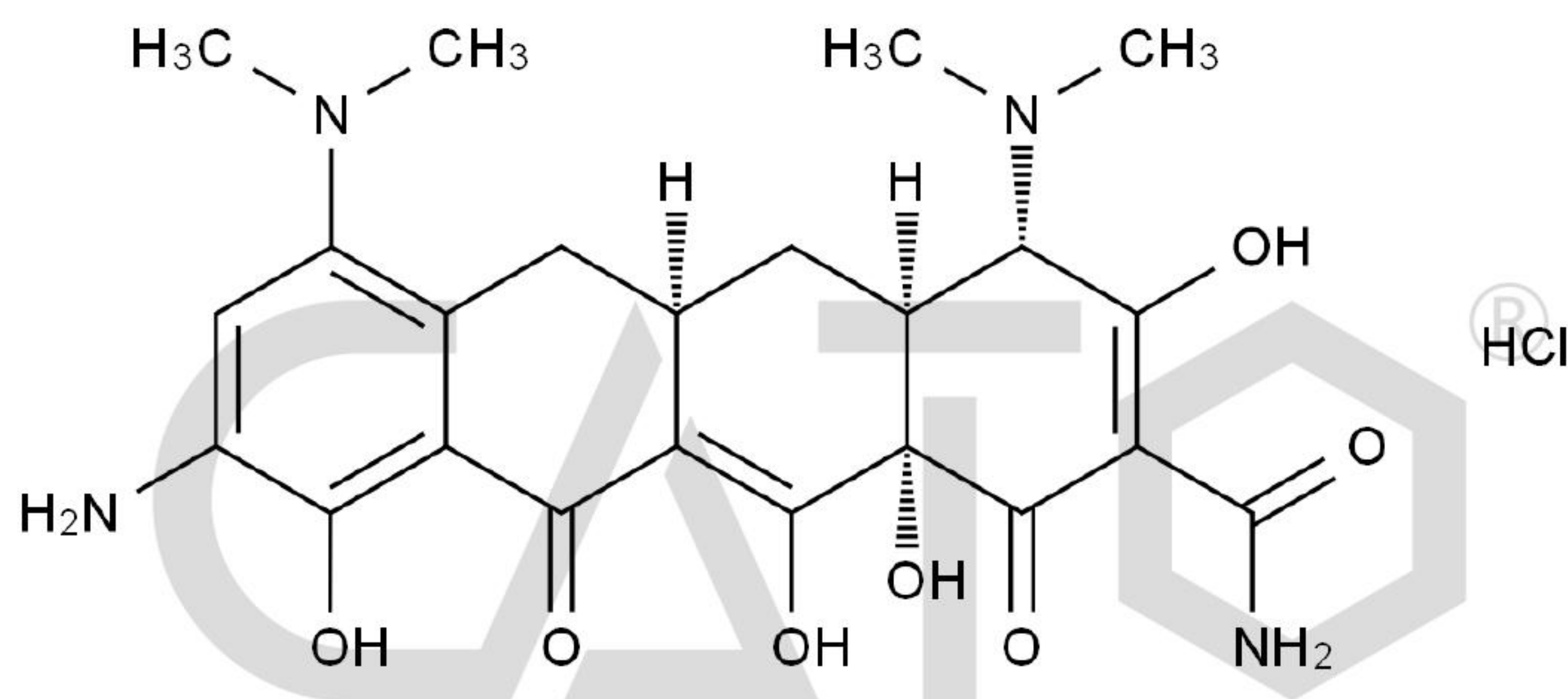


Certificate of Analysis

Reference Material & Standard

Product Name:	Tigecycline EP Impurity B	Catalogue Number:	C4X-186012
Synonyms:	9-Animomincycline Hydrochloride	Lot Number:	0312-RH-0114
CAS Number:	149934-21-4	Expiry Date:	Mar 15, 2030
Molecular Formula:	C ₂₃ H ₂₈ N ₄ O ₇ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	472.49 36.46	Shipping Condition:	Shipping at Room Temperature
Solubility:	Methanol	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.948%
Residue on Ignition	TGA	0.4165%
Loss on Drying	TGA	8.0417%
Assay		90.6%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Mar 16, 2026

Date: Mar 16, 2026

Date: Mar 16, 2026



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