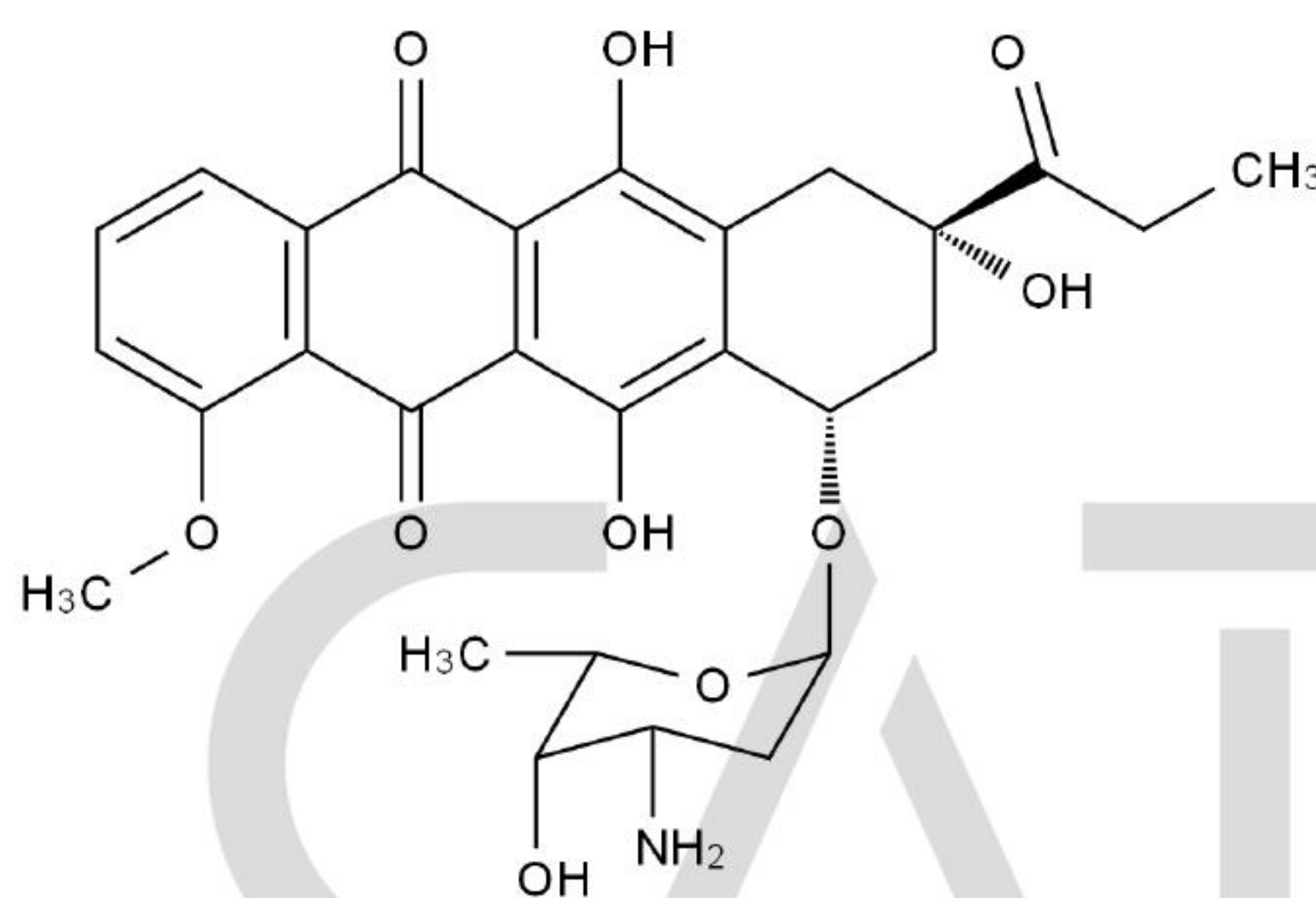


Certificate of Analysis

Reference Material & Standard

Product Name:	Daunorubicin HCl EP Impurity F	Catalogue Number:	C4X-19376
Synonyms:	N/A	Lot Number:	0325-RF-0009
CAS Number:	771423-67-7	Expiry Date:	Mar 19, 2027
Molecular Formula:	C ₂₈ H ₃₁ NO ₁₀	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	541.55	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Black Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	97.7130%
Water Content	Karl Fischer	4.90%
Residual Solvents	NMR	0.1% methanol
Assay		92.8%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Aproved by General Manager:

David

Date: Mar 27, 2024

Date: Mar 28, 2024

Date: Mar 28, 2024

