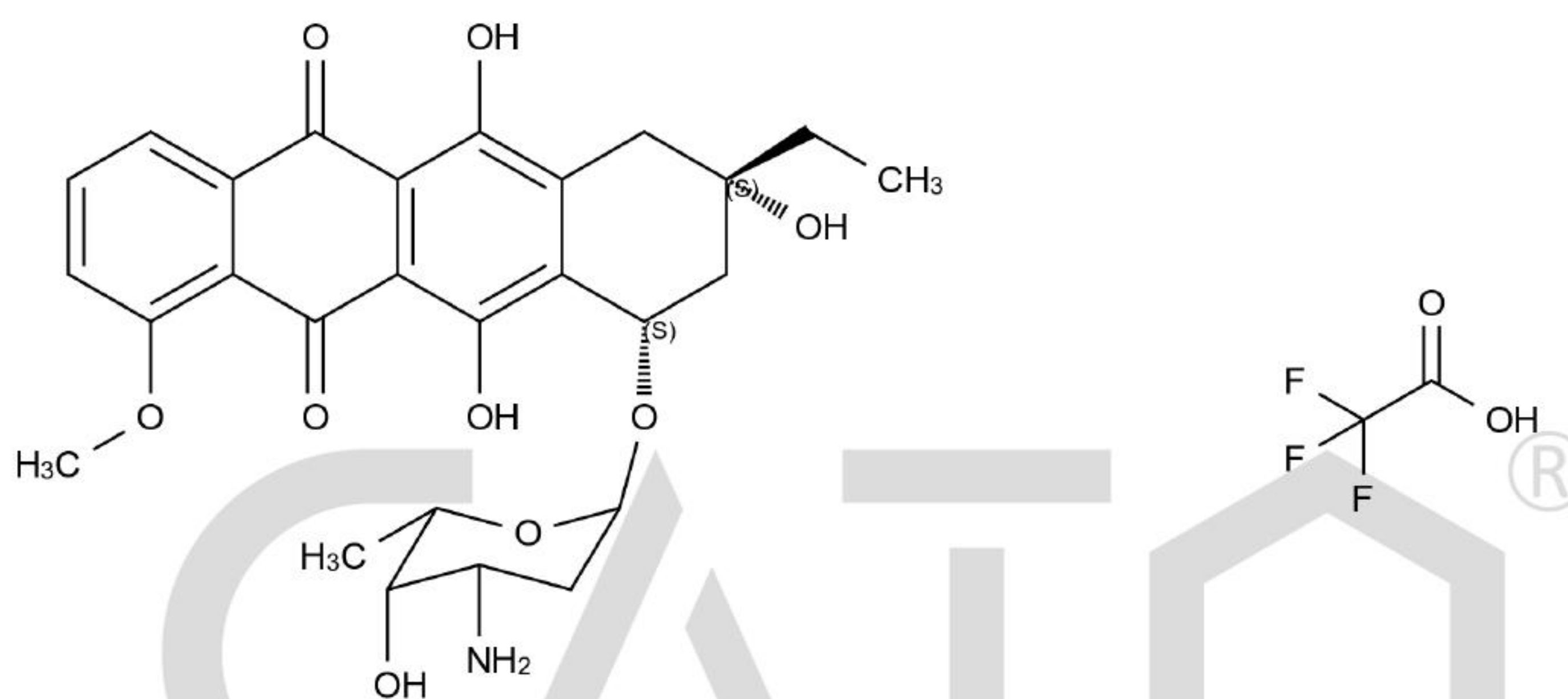


Certificate of Analysis

Reference Material & Standard

Product Name:	13-Deoxydaunorubicin Trifluoroacetate	Catalogue Number:	C4X-19379
Synonyms:	N/A	Lot Number:	0321-RG-0018
CAS Number:	65360-28-3	Expiry Date:	Mar 23, 2028
Molecular Formula:	C ₂₇ H ₃₁ NO ₉ C ₂ HF ₃ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	513.54 114.02		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Red Solid
Identification	LCMS&IR&CNMR&FNMR&HNMR	Confirmed
Purity	HPLC	99.1967%
Water Content	Karl Fischer	2.40%
Residual Solvents	NMR	Not detected in NMR
Assay		96.8%

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

Approved by General Manager:

David

Date: Mar 24, 2025

Date: Mar 24, 2025

Date: Mar 24, 2025

