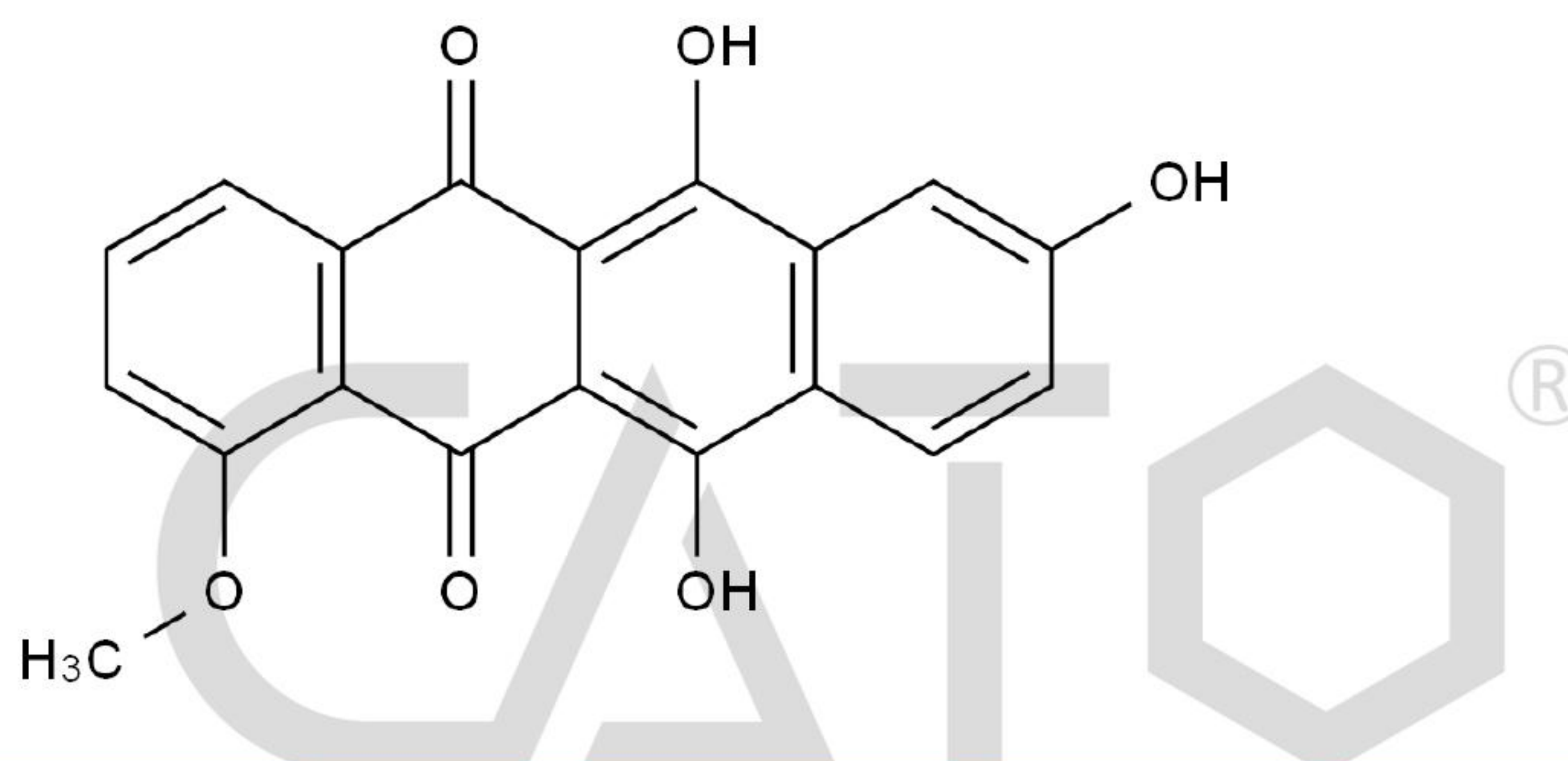


Certificate of Analysis

Reference Material & Standard

Product Name:	Doxorubicin Impurity 1	Catalogue Number:	C4X-20331
Synonyms:	N/A	Lot Number:	0918-RE-0015
CAS Number:	64845-67-6	Expiry Date:	Oct 16, 2029
Molecular Formula:	C ₁₉ H ₁₂ O ₆	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	336.29	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Brown Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.144%
Water Content	Karl Fischer	5.31%
Assay		90.1%

Comment:

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

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

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Oct 23, 2025

Date: Oct 23, 2025

Date: Oct 23, 2025



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