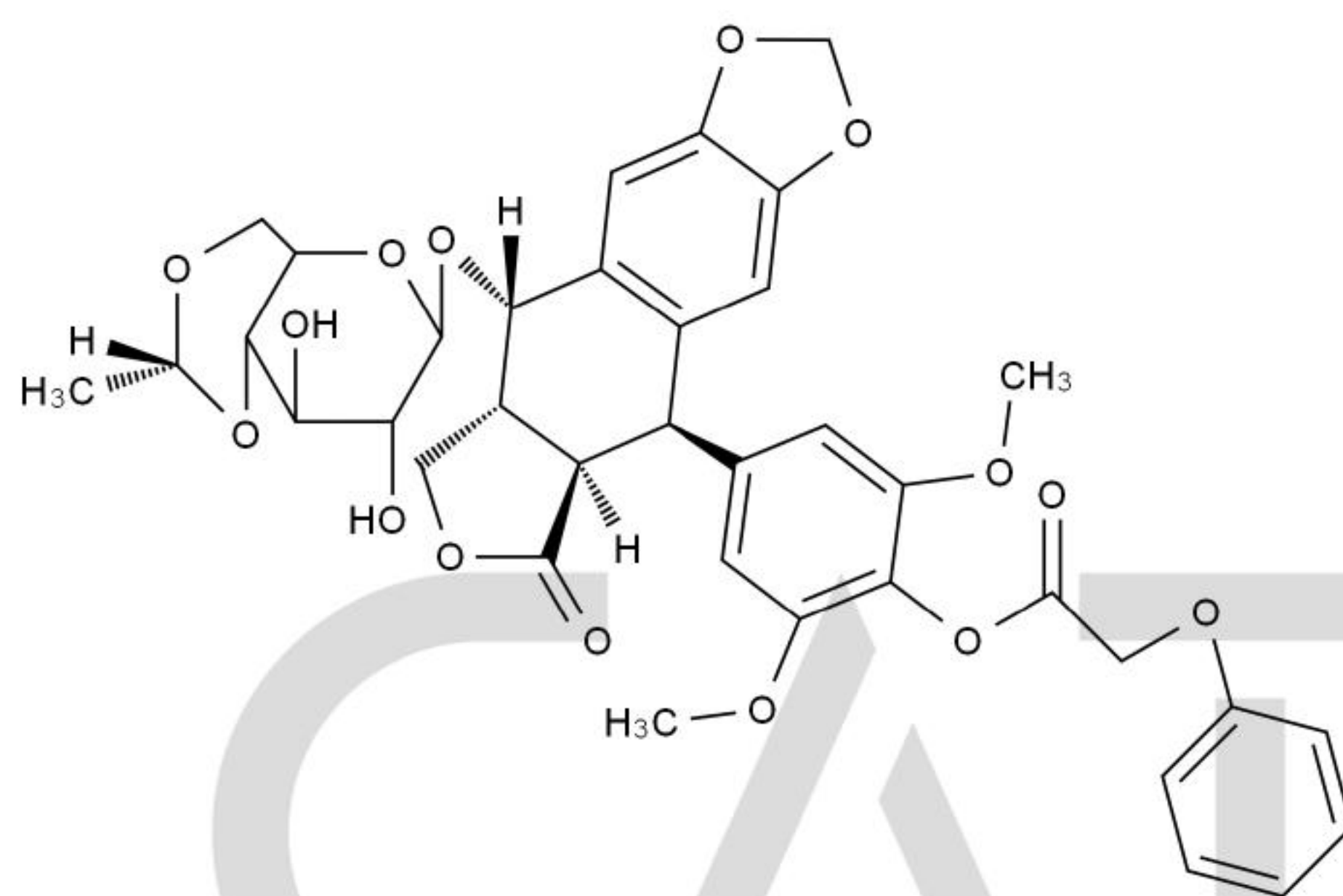


Certificate of Analysis

Reference Material & Standard

Product Name:	Etoposide EP Impurity F	Catalogue Number:	C4X-20246
Synonyms:	N/A	Lot Number:	0722-RF-0004
CAS Number:	N/A	Expiry Date:	Jul 15, 2027
Molecular Formula:	C ₃₇ H ₃₈ O ₁₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	722.69		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.3591%
Water Content	Karl Fischer	0.60%
Residual Solvents	NMR	2.7% acetone
Assay		96.1%

Comment:

- The compound contains 0.3% Etoposide (RT 1.47) according to its HPLC.
- The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents}) * \text{Purity HPLC (\%)} / 100\%$$
 Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Jul 24, 2024

Date: Jul 25, 2024

Date: Jul 25, 2024

