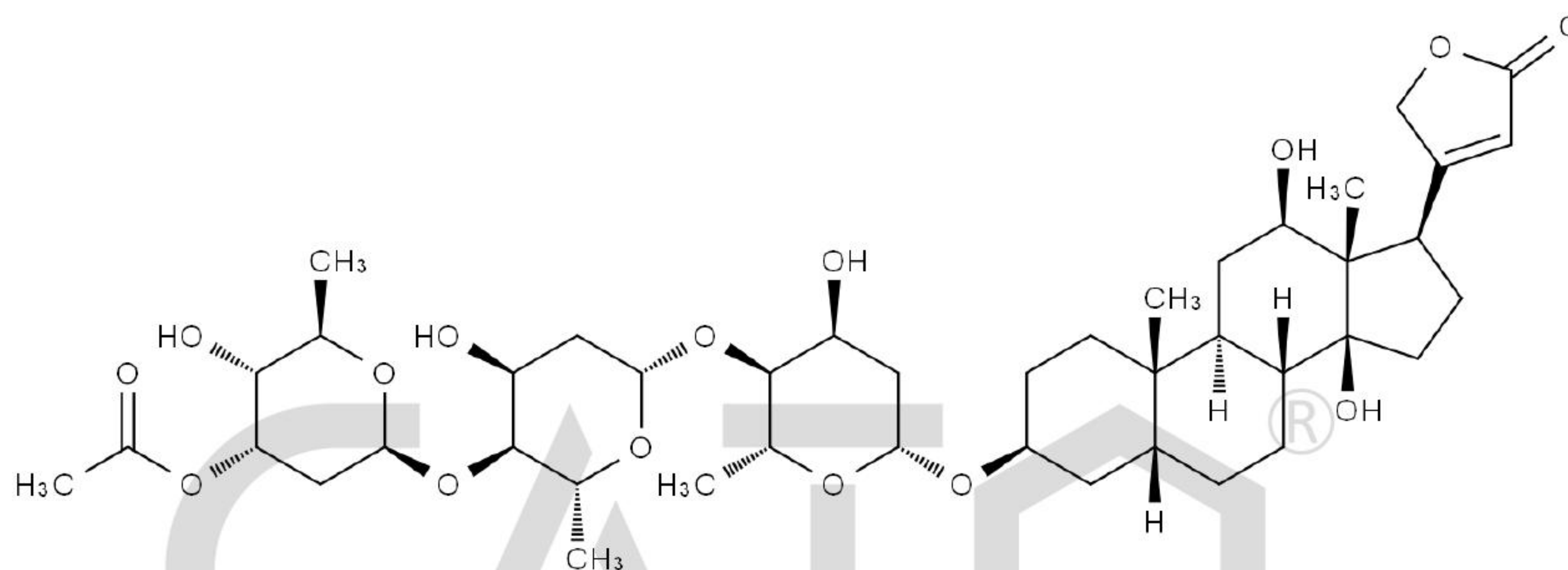


Certificate of Analysis

Reference Material

Product Name:	Digoxin EP Impurity I	Catalogue Number:	C4X-19324
Chemical Name:	N/A	Lot Number:	0419-RE-0006
CAS Number:	5511-98-8	Expiry Date:	Feb 26, 2026
Molecular Formula:	C ₄₃ H ₆₆ O ₁₅	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	822.98		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	96.8711%
Water Content	Karl Fischer	1.5%
Residual Solvents	NMR	Not detected in NMR
Assay		95.4%

Comment:

- The compound contains 0.5% Digoxin 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:

Nacy

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Feb 27, 2023

Date: Apr 24, 2023

Date: Apr 24, 2023

Tel: +86-20-81960175

Fax: +86-20-81717260

Email: supports@cato-chem.com

Web: www.cato-chem.com

Add: Room 101, Building B, No.179, Guangpu East Road, Huangpu District, Guangzhou (Location: Room 301, Room 401, Room 501)

