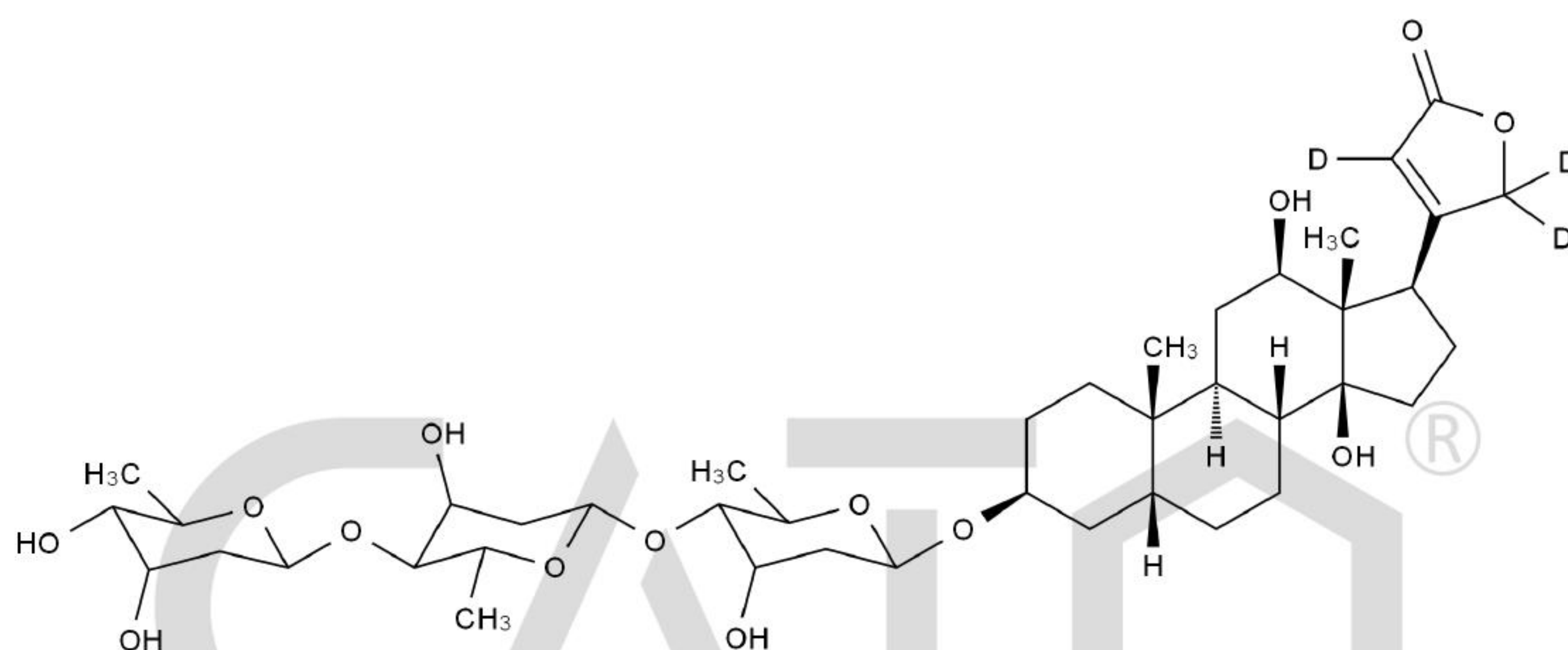


Certificate of Analysis

Reference Material & Standard

Product Name:	Digoxin-d3	Catalogue Number:	C4X-193213
Synonyms:	N/A	Lot Number:	0105-RF-0017
CAS Number:	127299-95-0	Expiry Date:	Aug 21, 2026
Molecular Formula:	C ₄₁ H ₆₁ D ₃ O ₁₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	783.96		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Chemical Purity	HPLC	95.18%
Isotopic Purity		96.5%
Water Content	Karl Fischer	1.00%
Residual Solvents	NMR	0.2% dimethylformamide
Optical Rotation		[α] _D ^{25.0} (c=0.53, CH ₃ OH): +16.9°
Assay		94.0%

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: Jan 08, 2024

Date: Jan 09, 2024

Date: Jan 09, 2024

