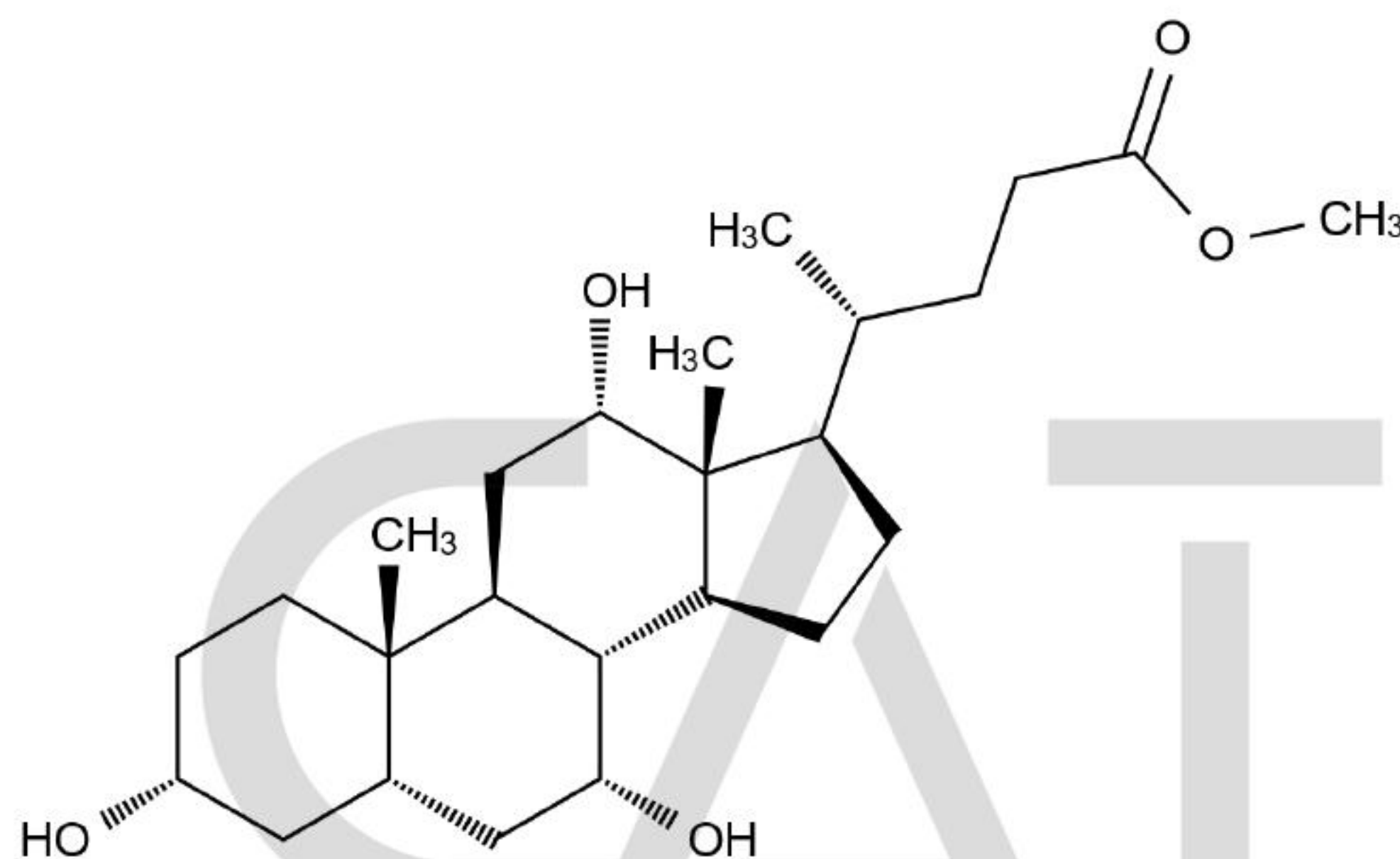


Certificate of Analysis

Reference Material & Standard

Product Name:	Cholic Acid Impurity 1	Catalogue Number:	C4X-11601
Synonyms:	N/A	Lot Number:	0911-RF-0055
CAS Number:	1448-36-8	Expiry Date:	Oct 09, 2027
Molecular Formula:	C ₂₅ H ₄₂ O ₅	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	422.60	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	ELSD	90.378%
Loss On Drying	TGA	1.8401%
Assay		88.7%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity ELSD (%) / 100%

Loss On Drying is considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Oct 10, 2024

Date: Oct 10, 2024

Date: Oct 10, 2024

