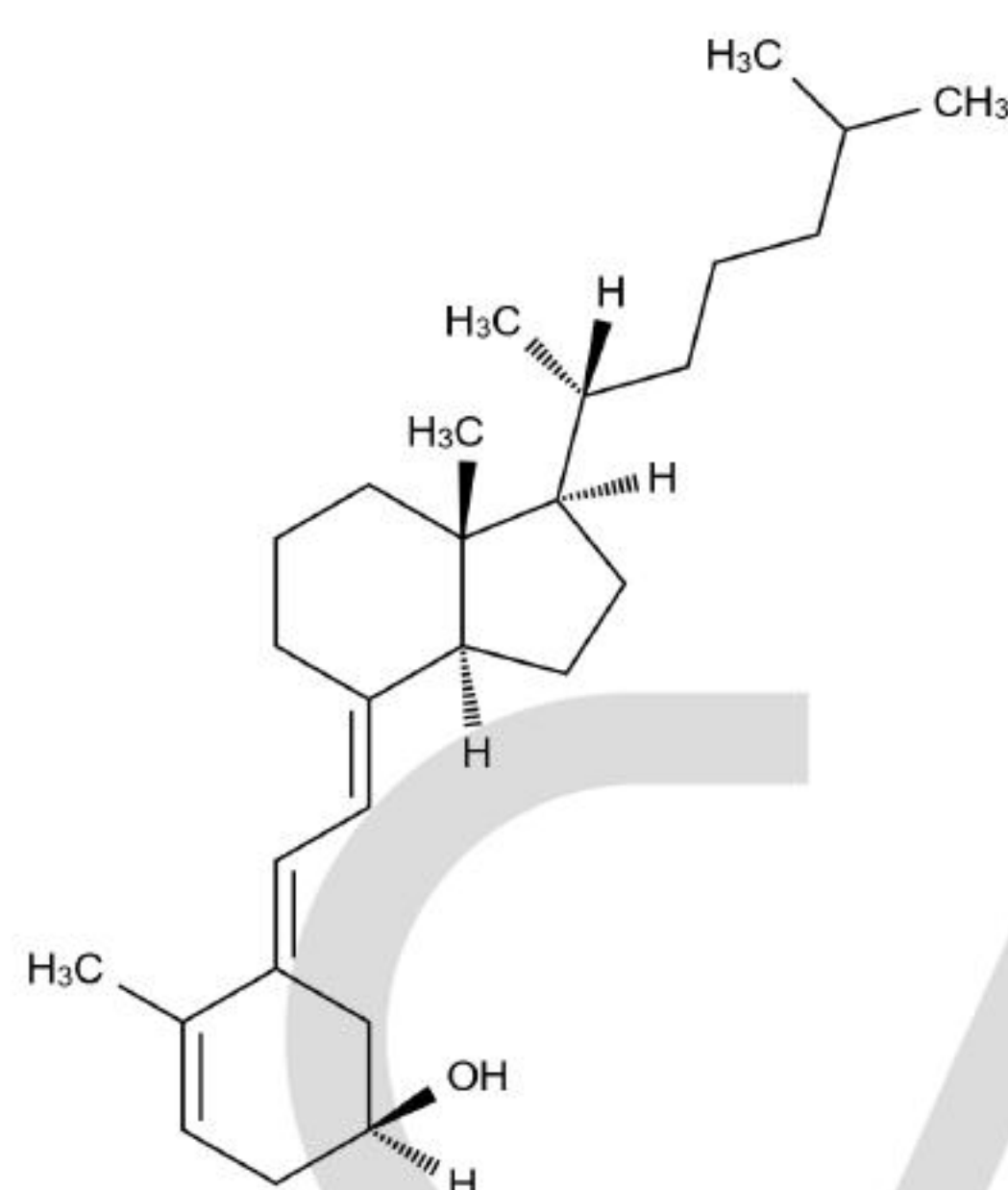


Certificate of Analysis

Reference Material & Standard

Product Name:	Cholecalciferol Impurity 15	Catalogue Number:	C4X-158615
Synonyms:	N/A	Lot Number:	0902-RF-0069
CAS Number:	42607-12-5	Expiry Date:	Feb 25, 2025
Molecular Formula:	C ₂₇ H ₄₄ O	Storage:	-80°C±5°C Protected from light and Sealed
Molecular Weight:	384.64		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Sticky Liquid
Identification	HRMS&HNMR	Confirmed
Purity	HPLC	90.368%
Water Content	Karl Fischer	2.53%
Residual Solvents	NMR	Not detected in NMR
Assay		88.1%

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:

Lisa

Approved by General Manager:

David

Date: Sep 23, 2024

Date: Sep 24, 2024

Date: Sep 24, 2024

