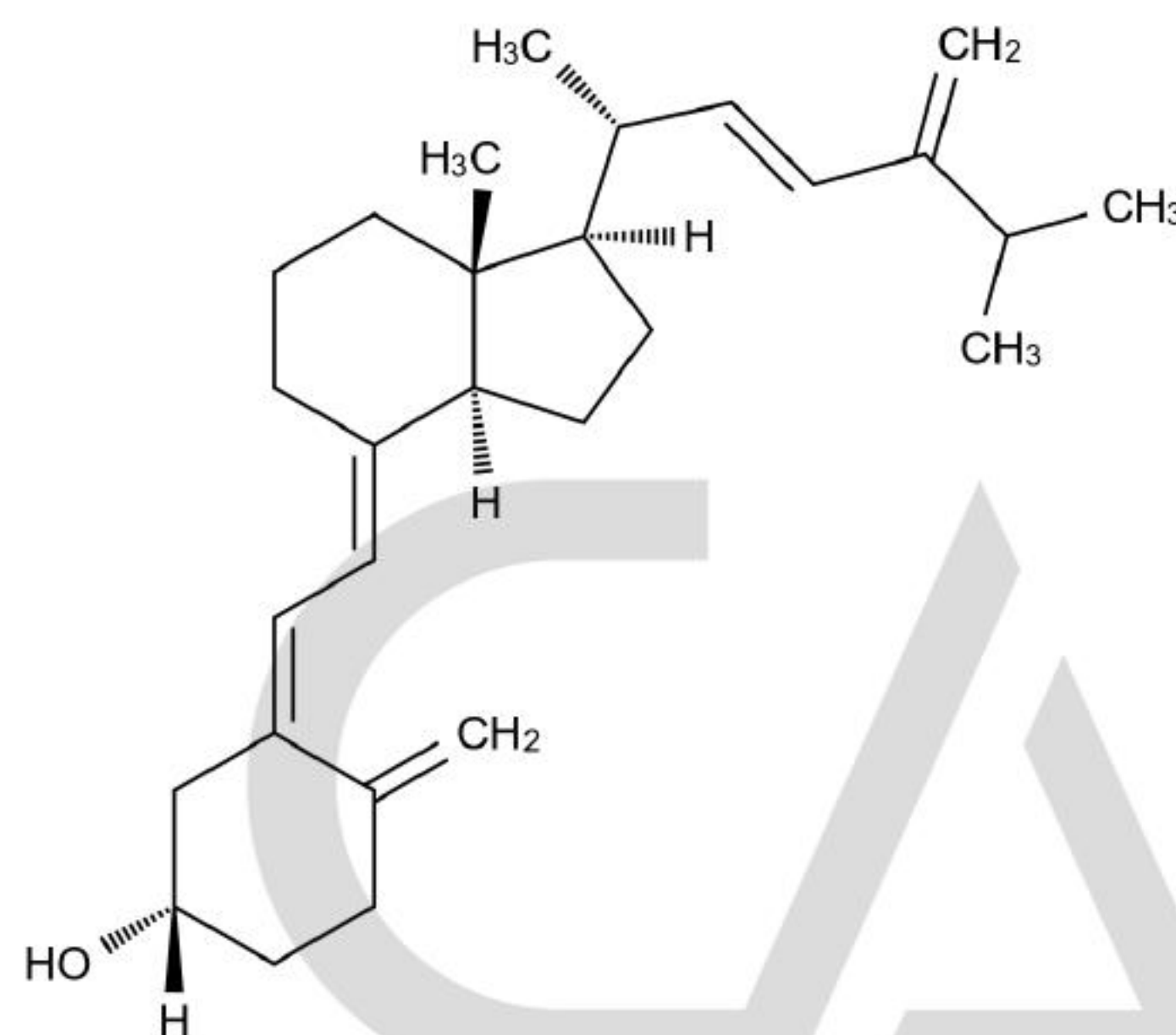


Certificate of Analysis

Reference Material & Standard

Product Name:	Ergocalciferol EP Impurity F	Catalogue Number:	C4X-177922
Synonyms:	N/A	Lot Number:	0427-RH-0197
CAS Number:	N/A	Expiry Date:	Apr 14, 2030
Molecular Formula:	C ₂₈ H ₄₂ O	Storage:	-80°C±5°C Protected from light and Sealed
Molecular Weight:	394.63	Shipping Condition:	Shipping with Dry Ice

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	HRMS&UV&CNMR&HNMR	Confirmed
Purity	HPLC	99.882%
Water Content	Karl Fischer	0.03%
Residual Solvents	NMR	Not detected in NMR
Assay		99.9%

Comment:

The calculation of the mass balance 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:

Reviewed by:

Approved by General Manager:

Date: Aug 26, 2026

Date: Aug 26, 2026

Date: Aug 26, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

