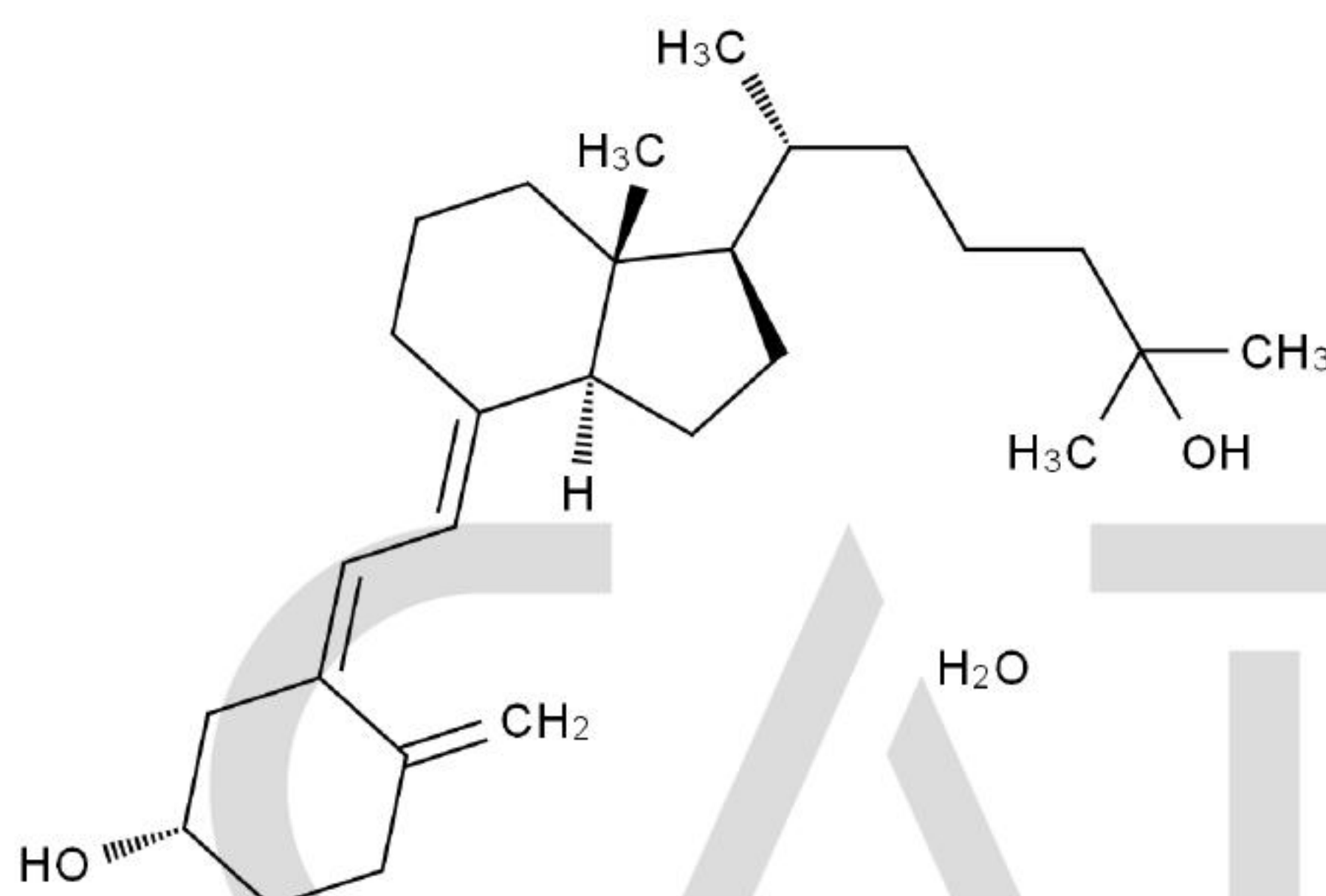


Certificate of Analysis

Reference Material & Standard

Product Name:	Calcifediol Monohydrate	Catalogue Number:	C4X-1892
Synonyms:	N/A	Lot Number:	0801-RG-0070
CAS Number:	63283-36-3	Expiry Date:	Aug 05, 2029
Molecular Formula:	C ₂₇ H ₄₄ O ₂ · H ₂ O	Storage:	-20°C ± 5°C Protected from light and Sealed
Molecular Weight:	400.64 18.02		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Water Content	Karl Fischer	4.6380%
Water Content(Free Water)		0.3338%
Residue on Ignition	TGA	0.1528%
Assay		99.5%

Comment:

- The content of crystal water is 4.3042%.
- The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content(Free Water)} - \text{Residue on Ignition}) * \text{Purity HPLC (\%)} / 100\%$$

Water Content(Free Water) and Residue on Ignition are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Aug 06, 2025

Date: Aug 07, 2025

Date: Aug 07, 2025

