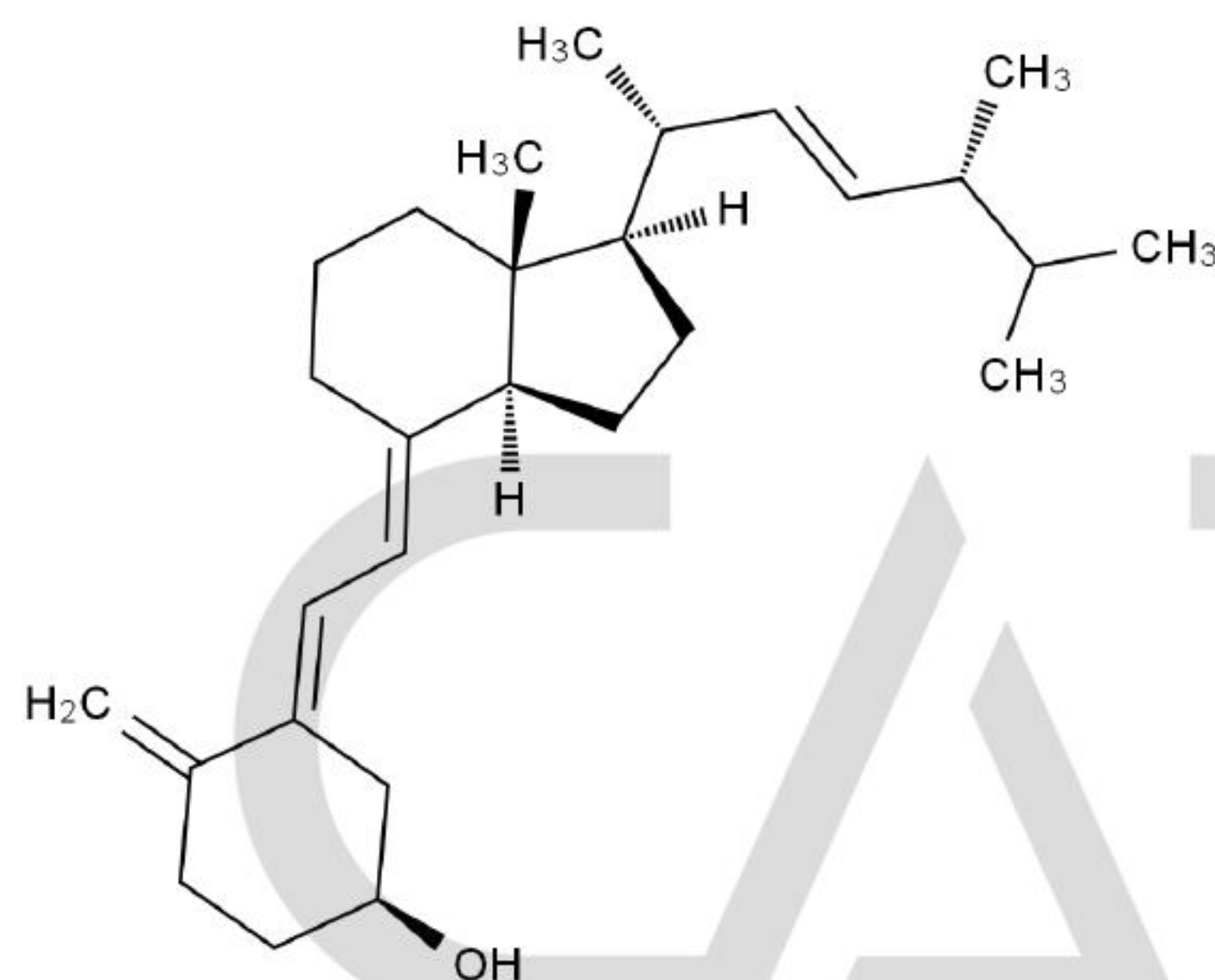


# Certificate of Analysis

## Reference Material & Standard

|                           |                                   |                            |                                           |
|---------------------------|-----------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Ergocalciferol EP Impurity A      | <b>Catalogue Number:</b>   | C4X-177912                                |
| <b>Synonyms:</b>          | N/A                               | <b>Lot Number:</b>         | 0331-RH-0094                              |
| <b>CAS Number:</b>        | 51744-66-2                        | <b>Expiry Date:</b>        | Apr 09, 2027                              |
| <b>Molecular Formula:</b> | C <sub>28</sub> H <sub>44</sub> O | <b>Storage:</b>            | -80°C±5°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 396.65                            | <b>Shipping Condition:</b> | Shipping with Dry Ice                     |

### Chemical Structure:



| Test Items     | Method            | Results         |
|----------------|-------------------|-----------------|
| Appearance     | Visual inspection | Off-White Solid |
| Identification | LCMS&HNMR         | Confirmed       |
| Purity         | HPLC              | 92.438%         |
| Loss on Drying | TGA               | 0.5122%         |
| Assay          |                   | 92.0%           |

### Comment:

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

Assay (%) = (100% - Loss on Drying) \* Purity HPLC (%) / 100%

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

### Signature:

Prepared by:

*Nice*

Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: Apr 10, 2026

Date: Apr 10, 2026

Date: Apr 10, 2026



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