

# Certificate of Analysis

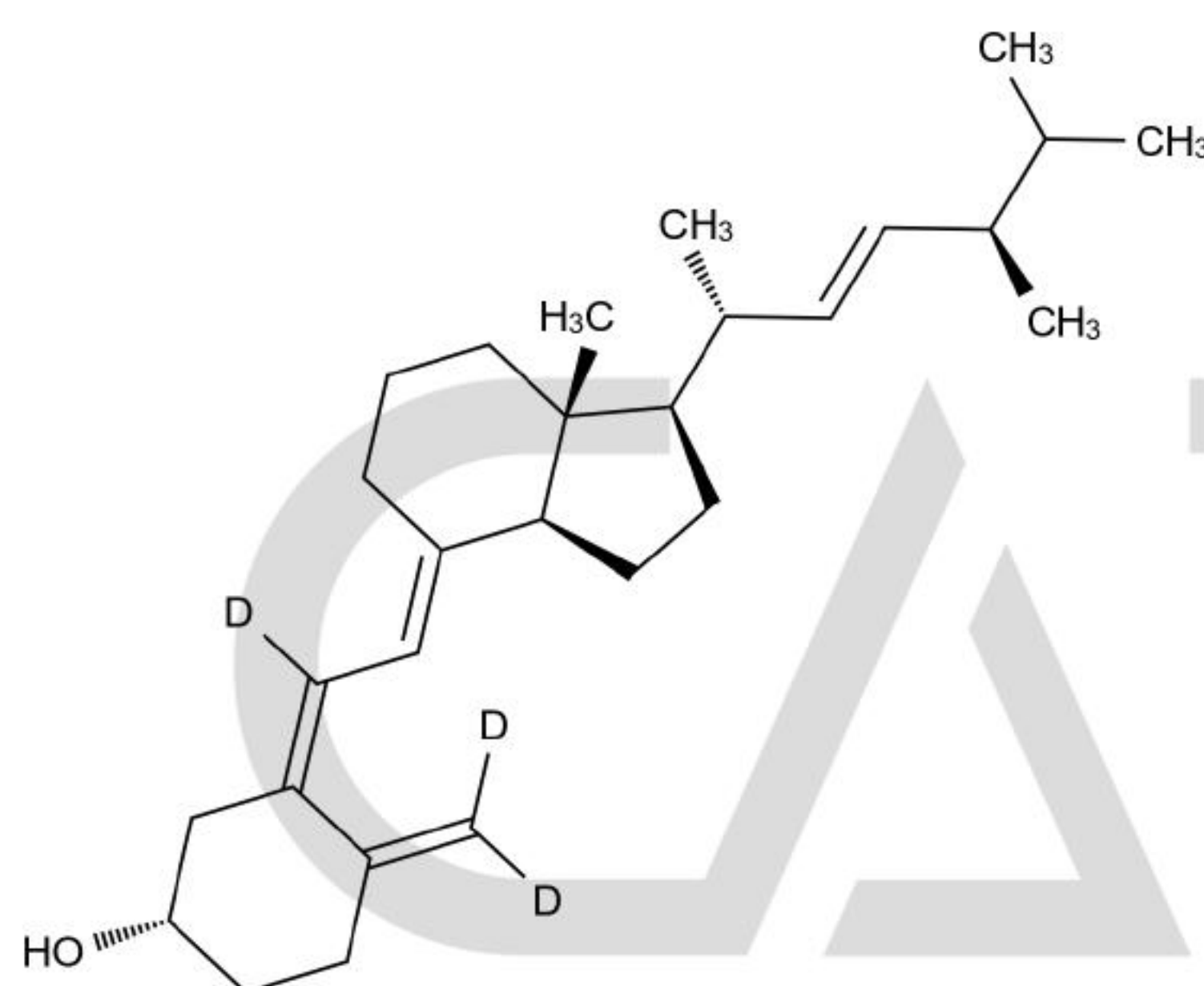
## Reference Material & Standard

|                    |                                                  |                     |                                           |
|--------------------|--------------------------------------------------|---------------------|-------------------------------------------|
| Product Name:      | Vitamin D2-d3                                    | Catalogue Number:   | CCFD201948                                |
| Synonyms:          | N/A                                              | Lot Number:         | 0715-RH-0022                              |
| CAS Number:        | 1217448-46-8                                     | Expiry Date:        | Jun 11, 2028                              |
| Molecular Formula: | C <sub>28</sub> H <sub>41</sub> D <sub>3</sub> O | Storage:            | -80°C±5°C Protected from light and Sealed |
| Molecular Weight:  | 399.67                                           | Shipping Condition: | Shipping with Dry Ice                     |

Warning:



Chemical Structure:



| Test Items      | Method            | Results                        |
|-----------------|-------------------|--------------------------------|
| Appearance      | Visual inspection | White Solid                    |
| Identification  | LCMS&HNMR         | Confirmed                      |
| Chemical Purity | HPLC              | 100.0%                         |
| Isotopic Purity |                   | 96.09%(D3: 88.26%; D2: 11.74%) |
| Uncertainty     |                   | ±0.1%                          |

## Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Lisa

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Jul 15, 2026

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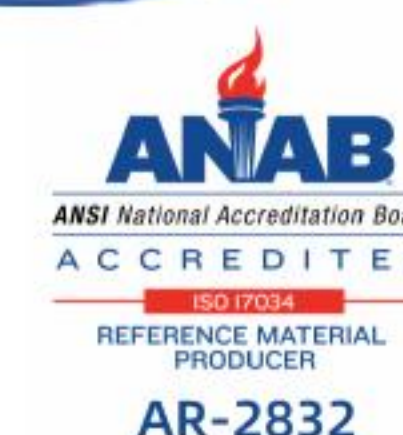
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

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

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