Certificate of Analysis

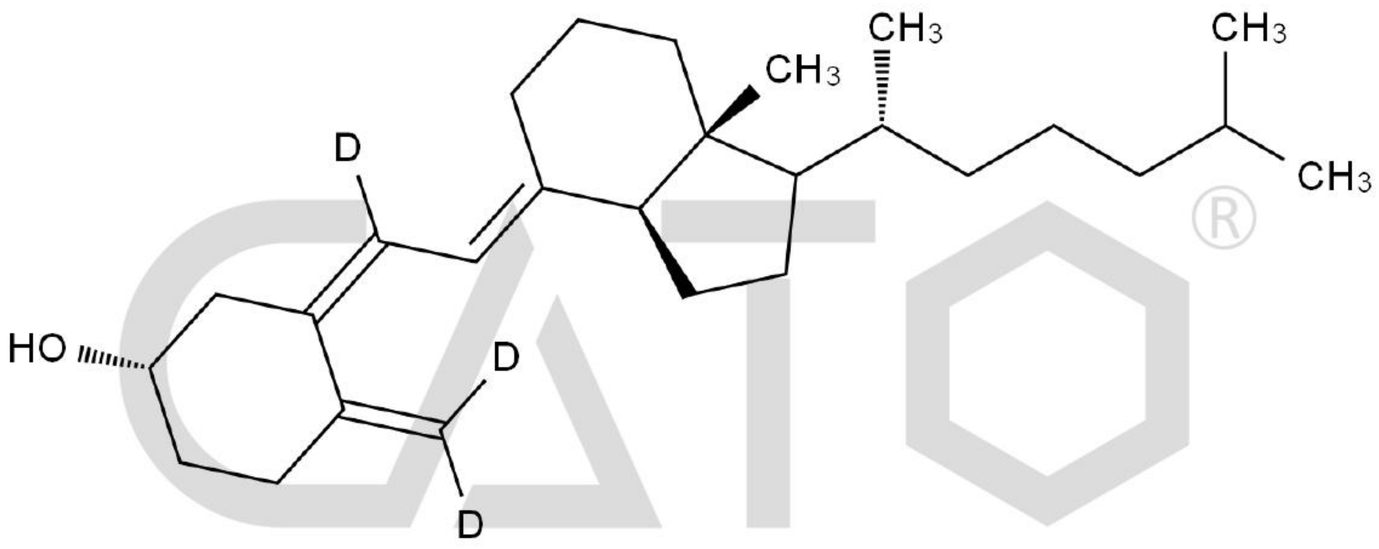
Reference Material & Standard

Product Name:	Vitamin D3-[d3]	**Catalogue Number:**	CCFD201922
Synonyms:	N/A	**Lot Number:**	1014-RH-0019
CAS Number:	80666-48-4	**Expiry Date:**	Oct 19, 2027
Molecular Formula:	$C_{27}H_{41}D_3O$	**Storage:**	-80°C±5°C Protected from light and Sealed
Molecular Weight:	387.66	**Shipping Condition:**	Shipping with Dry Ice

Warning:



Chemical Structure:



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Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	98.7%
Isotopic Purity		97.89%(D3: 93.68%; D2: 6.32%)
Uncertainty		±0.3%

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 Date: Oct 22, 2026

Reviewed by: Hinlam Date: Oct 22, 2026

Approved by General Manager: David Date: Oct 22, 2026

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ANAB ANSI National Accreditation Board ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-2832

SYSTEM CERTIFICATION ISO 9001:2000 SGS

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