

Certificate of Analysis

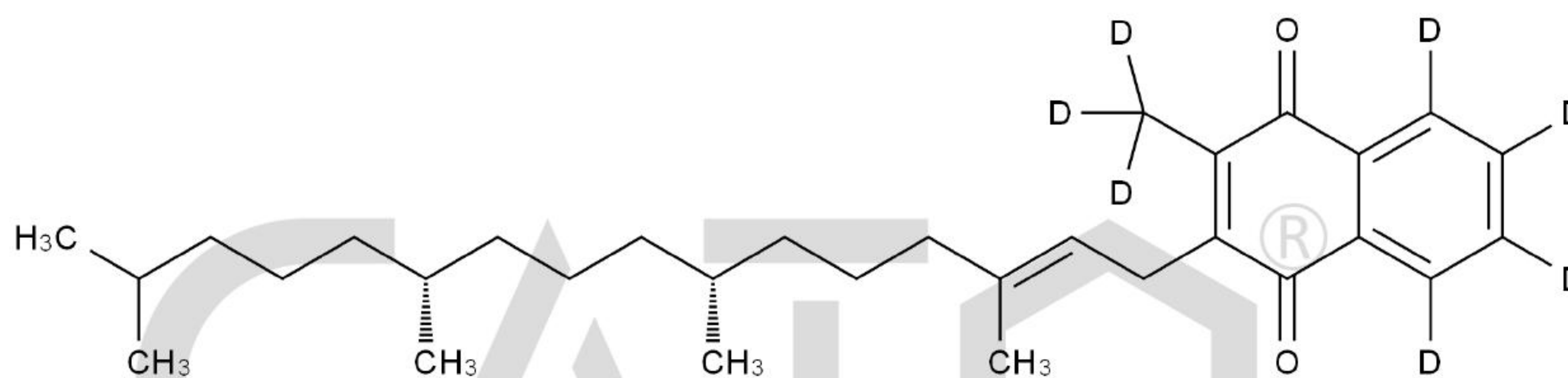
Reference Material & Standard

Product Name:	Vitamin K1-d7	Catalogue Number:	CCFD200493
Synonyms:	N/A	Lot Number:	0308-RF-0054
CAS Number:	1233937-39-7	Expiry Date:	Jun 21, 2027
Molecular Formula:	C ₃₁ H ₃₉ D ₇ O ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	457.74	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Sticky Liquid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	99.0%
Isotopic Purity		99.2%
Uncertainty		±0.2%

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:

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Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Mar 08, 2026

Date: Mar 09, 2026

Date: Mar 09, 2026

