

Certificate of Analysis

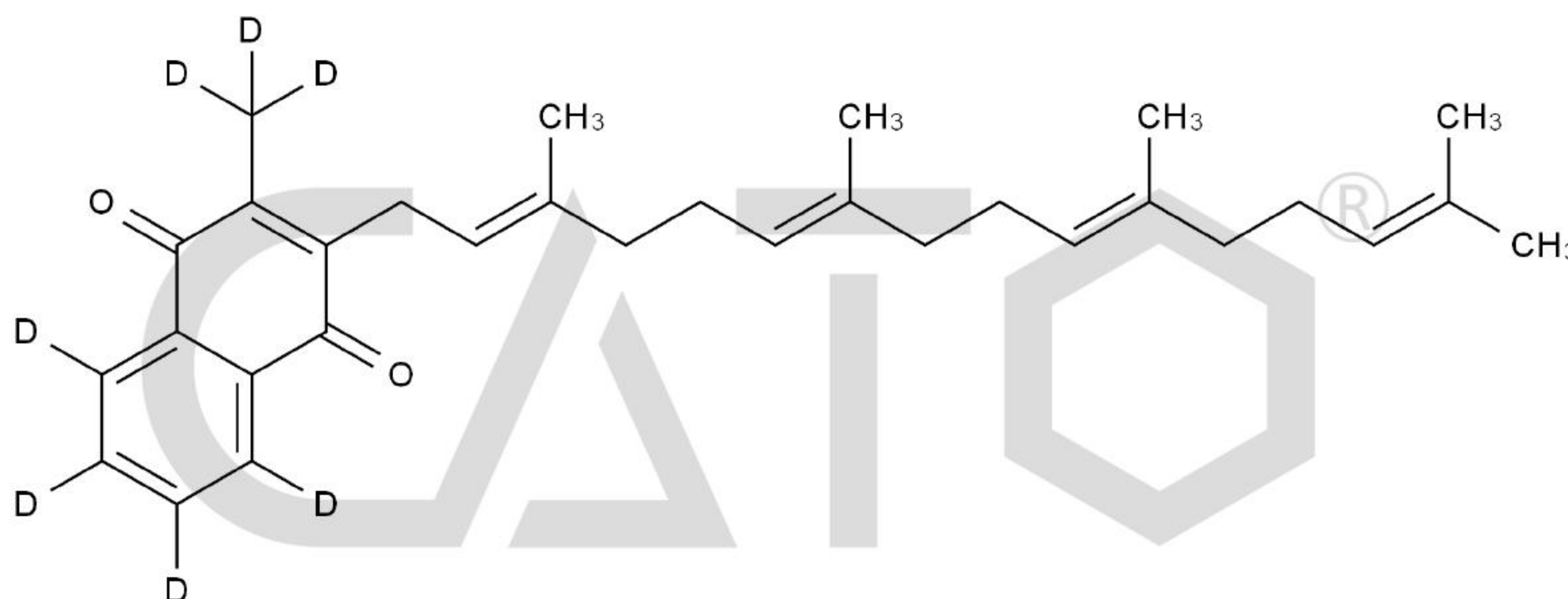
Reference Material & Standard

Product Name:	Menaquinone 4-d7 (Mixture of cis-trans isomers)	Catalogue Number:	CCFD201454
Synonyms:	N/A	Lot Number:	0522-RH-0094
CAS Number:	1233937-25-1	Expiry Date:	Feb 18, 2030
Molecular Formula:	C ₃₁ H ₃₃ D ₇ O ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	451.69	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Oil
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	91.6%
Isotopic Purity		97.5%
Uncertainty		±1.7%

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: May 25, 2026

Date: May 26, 2026

Date: May 26, 2026



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