

1. Identification

Catalogue Number

V676083

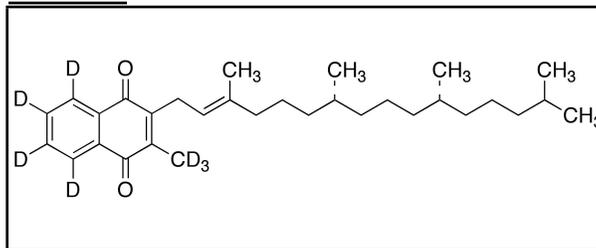
Lot Number

29-MJC-22-2

Product Name

Vitamin K1-d7

Structure



Synonyms

2-Methyl-3-[(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl]-1,4-naphthalenedione-d7; Konakion-d7; Mephyton-d7; Phytonadione-d7; Phytymenadione-d7; Phytylmenaquinone-d7; Synthex P-d7; Veda K1-d7; Veta K1-d7; Vitamin K1(20)-d7; trans-Phylloquinone-d7; α-Phylloquinone-d7; 2',3'-trans-Vitamin K1-d7;

CAS Number

1373049-34-3

Solubility

Chloroform (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped With Blue Ice

Molecular Formula

C₃₁H₃₉D₇O₂

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Light sensitive

Molecular Weight

457.74

Purity

>95%

2. Warnings

Light Sensitive, Temperature Sensitive

3. Analytical Information

Tests

Appearance

Specifications

Light Yellow to Brown Oil

Results

Light Yellow to Yellow Thick Oil

NMR

Conforms to Structure

Conforms

HPLC Purity

>95%

98.38% (250 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

98.9%

Additional Information

Normalized Intensity: d₀ = 0.00%, d₁ = 0.07%, d₂ = 0.18%, d₃ = 0.00%, d₄ = 0.25%, d₅ = 0.68%, d₆ = 4.40%, d₇ = 94.43%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed.

The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed by

Jingning Zhou

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Quality Assurance Associate

Test Date

9/24/2024

Retest Date

9/22/2028