

## 1. Identification

**Catalogue Number**

V676070

**Lot Number**

11-JUZ-160-5

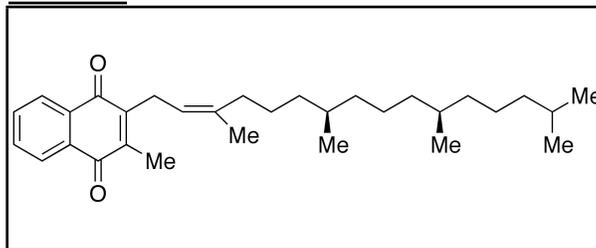
**Product Name**

cis-Vitamin K1

**Synonyms**

2-Methyl-3-[(2Z,7R,11R)-3,7,11,15-tetramethyl-2-hexadecen-1-yl]-1,4-naphthalenedione;  
[R-[R\*,R\*-(Z)]]-2-Methyl-3-(3,7,11,15-tetramethyl-2-hexadecenyl)-1,4-

**Structure**



**CAS Number**

16033-41-3

**Solubility**

Chloroform (Slightly), Ethyl Acetate (Slightly)

**Shipping Condition**

This Product Is Stable To Be Shipped With Blue Ice

**Molecular Formula**

C<sub>31</sub>H<sub>46</sub>O<sub>2</sub>

**Source of Product**

Synthetic

**Long Term Storage Conditions**

-20°C, Inert atmosphere, Light sensitive

**Molecular Weight**

450.7

**Purity**

>95%

## 2. Warnings

Light Sensitive, Temperature Sensitive

## 3. Analytical Information

**Tests**

Appearance

**Specifications**

Off-White to Yellow Thick Oil to Gel

**Results**

Hazy Off-White to Pale Yellow Thick Oil to Gel

NMR

Conforms to Structure

Conforms

HPLC Purity

>95%

98.40% (250 nm)

MS

Conforms to Structure

Conforms

**Additional Information**

N/A

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**

Jessica Wang Chi

Product Quality Specialist

**Reviewed by**

Toni Rantanen

Manager, Quality Assurance

**C of A Approved by**

Chanell Chu

Quality Assurance Associate

**Test Date**

3/21/2025

**Retest Date**

3/19/2029