

## 1. Identification

### Catalogue Number

V680013

### Lot Number

TRC3-1075661-5-2

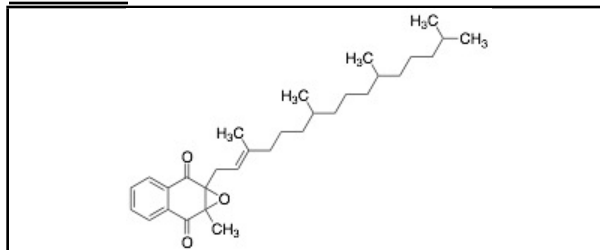
### Product Name

Vitamin K1 2,3-Epoxyide (Mixture of Diastereomers)

### Synonyms

2,3-Epoxy-2,3-dihydro-2-methyl-3-phytyl-1,4-naphthoquinone; 1a,7a-Dihydro-1a-methyl-7a-(3,7,11,15-tetramethyl-2-hexadecenylnaphth[2,3-b]oxirene-2,7-dione; 1a,7a-Dihydro-1a-methyl-7a-(3,7,11,15-tetramethyl-2-hexadecen-1-yl)naphth[2,3-b]oxirene-2,7-dione; 2,3-Epoxyphyloquinone; Phylloquinone Oxide; Epoxide Phylloquinone; Phylloquinone-2,3-epoxide; Vitamin K 2,3-Epoxyide; Vitamin K Epoxide;

### Structure



### CAS Number

25486-55-9

### Solubility

Chloroform (Soluble), Methanol (Sparingly)

### Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

### Molecular Formula

C<sub>31</sub>H<sub>46</sub>O<sub>3</sub>

### Source of Product

N/A

### Long Term Storage Conditions

4°C

### Molecular Weight

466.7

### Purity

98%

## 2. Warnings

Not Determined

## 3. Analytical Information

### Tests

Appearance

### Specifications

Colourless to Yellow Oil to Thick Oil

### Results

Light Yellow Thick Oil

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 79.53, %H: 10.02

HPLC Purity

Report Result

99.54% (230 nm)

MS

Conforms to Structure

Conforms

Specific Rotation

Report Result

0.0° (c = 0.2, Methanol)

### 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

Henry Tieu  
Product Quality Specialist

### Reviewed by

Toni Rantanen  
Manager, Quality Assurance

### C of A Approved by

Chanell Chu  
Jr. Quality Assurance

### Test Date

9/14/2022

### Retest Date

9/12/2026