



CERTIFICATE OF ANALYSIS

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1. Identification

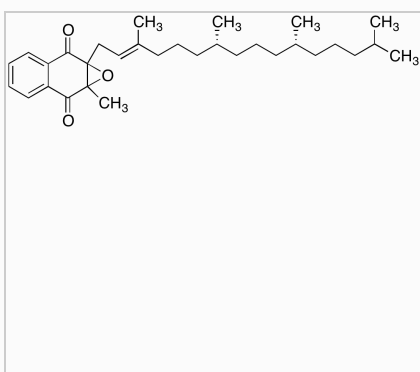
Catalogue Number: V676100

CAS Number: 1588773-08-3

Product: Vitamin K1 2,3-Epoxyde

Synonym: 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; Phyloquinone Oxide; Phyloquinone Epoxide; Phyloquinone-2,3-epoxide; Vitamin K 2,3-Epoxyde; Vitamin K Epoxide; Vitamin K Oxide; Vitamin K1 Oxide; Vitamin K1 Epoxide;

Structure:



Molecular Formula:

$C_{31}H_{46}O_3$

Molecular weight:

466.7

Source of Product:

Synthetic

Solubility:

Chloroform (Sparingly), Ethyl Acetate (Slightly)

Lot Number: 5-MMH-21-2

Purity: 95%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1: Not Determined

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless to Pale Yellow Thick Oil	Clear Pale Yellow Thick Oil
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	>95%	95.79% (226 nm)

Additional Information:

TLC Conditions: SiO₂; Hexanes : Ethyl Acetate = 9 : 1; Visualized with UV and AMCS; Single Spot, R_f = 0.55.

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Eric Beaton	My Nguyen	12/3/2019	12/1/2026