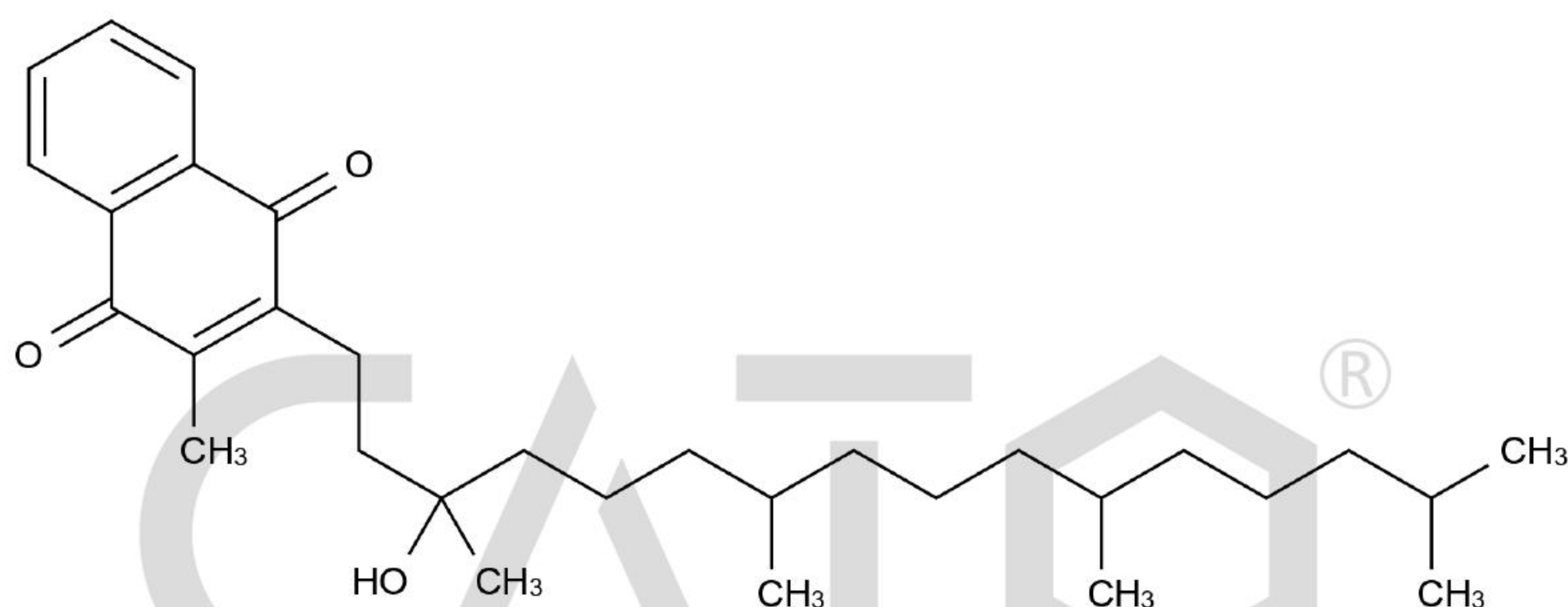


Certificate of Analysis

Reference Material & Standard

Product Name:	Vitamin K1 Impurity 43	Catalogue Number:	C4X-220743
Synonyms:	N/A	Lot Number:	1017-RF-0021
CAS Number:	1181-23-3	Expiry Date:	Oct 31, 2027
Molecular Formula:	C ₃₁ H ₄₈ O ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	468.71		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Oil
Identification	HRMS&HNMR	Confirmed
Purity	HPLC	98.0%
Assay	qNMR	90.6%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Nov 01, 2024

Date: Nov 04, 2024

Date: Nov 04, 2024

