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CERTIFICATE OF ANALYSIS

Analysis Date:

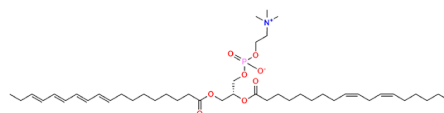
Re-test Date:

Product Name: Vitamin K1 Impurity 39

Identification:

Chemical Name: (R)-3-(((9E,11E,13E,15E)-octadeca-9,11,13,15-tetraenyl)oxy)-2-(((9Z,12Z)-octadeca-9,12-dienyl)oxy)propyl (2-(trimethylammonio)ethyl) phosphate

Synonyms : NA
CAS Number : 90514-94-6
CAT Number : CP-P113029
Molecular Formula : C44H76NO8P
Molecular Weight : 778.06



Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Manager QC Analytical)

Approved By

Ms Rohini Gagare
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.