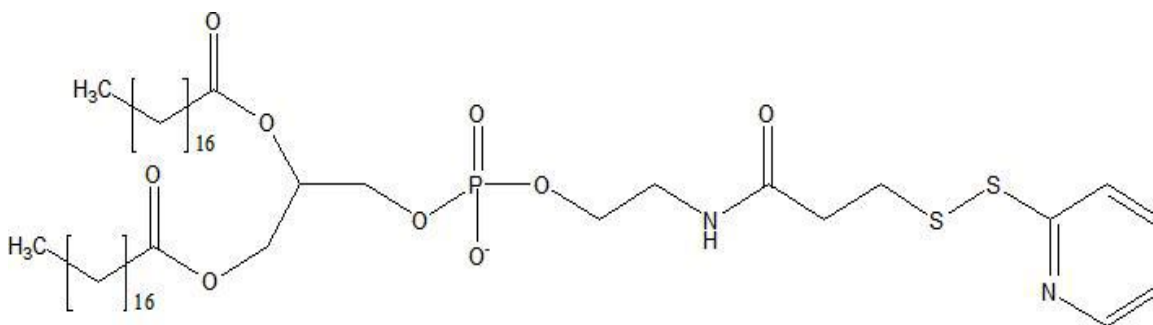


Certificate of Analysis

General properties:

Product Name: DSPE-OPSS
 Molecular Weight: PEG MW:750, 1000, 2000, 3400, 5000 Dalton
 Catalog Number: R-0097
 Lot Number: RS721705

Product Structure:



Product Specifications:

Items	Specification	Results
Appearance	White solid	White solid
¹ H NMR	Identical to the structure	Identical to the structure
Substitution of OPSS by NMR	>95%	>95%

Date of Analysis: 2017.09.17

Recommended Retest date: 2018.09.16

Recommended Storage: -20°C in the dark

Stability: 1 year

This product is for research use only, Not for human or animal use