

## Certificate of Analysis

### General properties:

Product Name: DSPE-PEG, 1,2-Distearoyl-sn-glycero-3-phosphoethanolamine  
 -N-[(polyethylene glycol)-methoxy] (sodium salt)

CAS: 147867-65-0

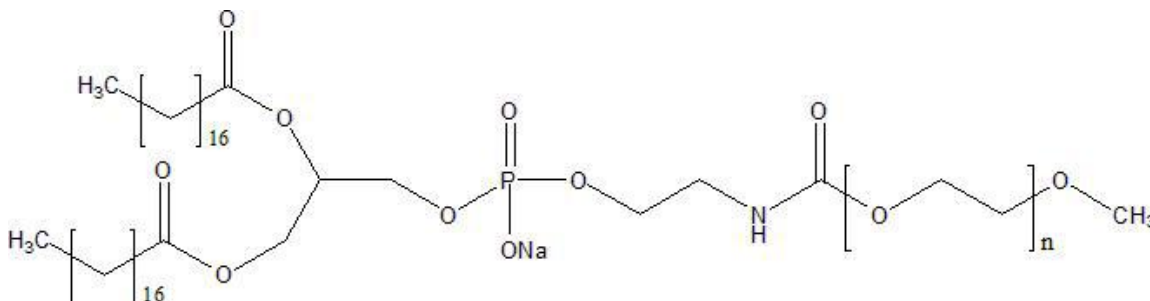
Molecular Weight: PEG MW:750, 1000, 2000, 3400, 5000 Dalton

Chemical Formula:  $C_{43}H_{83}NO_{10}P(C_2H_4O)_nNa$

Catalog Number: R-0031

Lot Number: RS017071

### Product Structure:



### Product Specifications:

Items	Specification	Results
Appearance	White solid or viscous liquid	White solid or viscous liquid
$^1H$ NMR	Identical to the structure	Identical to the structure
Substitution of DSPE 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**