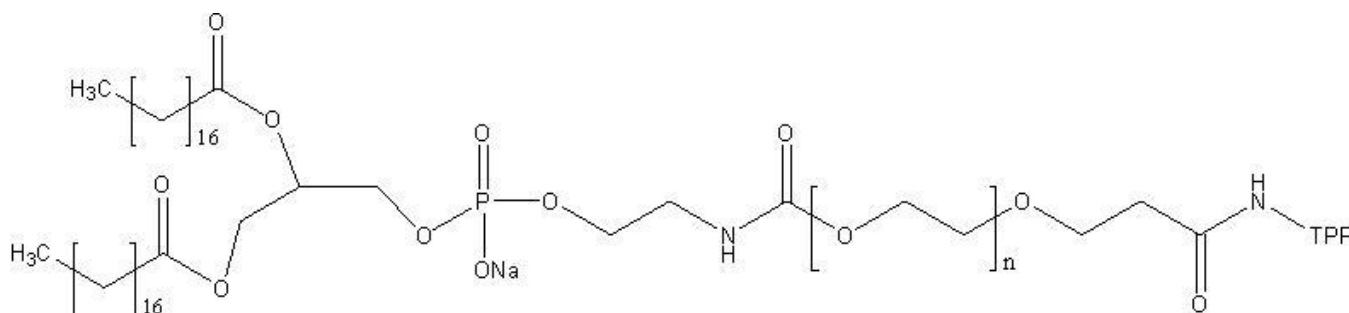


## Certificate of Analysis

### General properties:

Product Name: DSPE-PEG-TPP  
 Molecular Weight: PEG MW:750/1000/2000/3400/5000 Dalton  
 Catalog Number: R-0068  
 Lot Number: RO018186

### Product Structure:



### Product Specifications:

Items	Specification	Results
Appearance	Solid powder or viscous liquid	Solid powder or viscous liquid
<sup>1</sup> H NMR	Identical to the structure	Identical to the structure
Substitution of DSPE by NMR	>90%	>90%
Substitution of TPP by NMR	>90%	>90%

Date of Analysis: 2018.10.18

Recommended Retest date: 2019.10.17

Recommended Storage: -20°C

Stability: 1 year

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