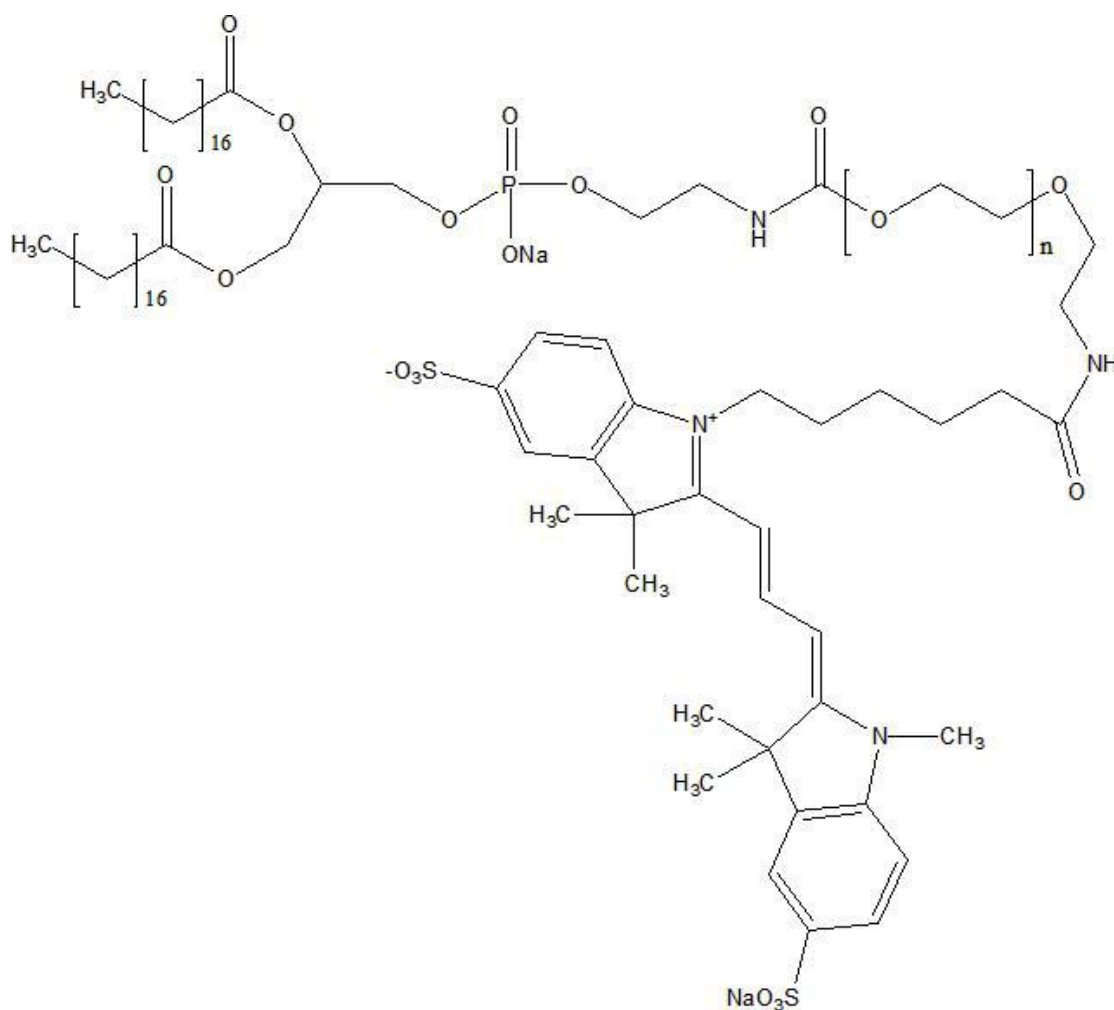


## Certificate of Analysis

### General properties:

Product Name: DSPE-PEG-Cy3-Sulfo  
Molecular Weight: PEG MW:750, 1000, 2000, 3400, 5000 Dalton  
Catalog Number: R-0057  
Lot Number: RA271312

### Product Structure:





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**Product Specifications:**

Items	Specification	Results
Appearance	Dark red powder or viscous liquid	Dark red 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 Cy3 by NMR	>90%	>90%
Ex/Em	550nm-570nm	550nm-570nm

Date of Analysis: 2017.09.13

Recommended Retest date: 2018.09.12

Recommended Storage: -20°C in the dark

Stability: 1 year

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