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## Certificate of Analysis

### General properties:

Product Name: DSPE-Br  
Molecular Weight: PEG MW:550/750/1000/2000/3400/5000/10000 Dalton  
Catalog Number: R-0102  
Lot Number: RL95855

### Product Structure:

### Product Specifications:

Items	Specification	Results
Appearance	White Solid	White Solid
<sup>1</sup> H NMR	Identical to the Structure	Identical to the Structure
Substitution	>90%	95%
Substitution	>90%	95%

Date of Analysis: 2018.05.04

Recommended Retest date: 2019.05.03

Recommended Storage: -20°C in the dark

Stability: 12 months

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