

## Certificate of Analysis

Product Name: DSPE-PEG2-mal  
Cat. No.: GF13850  
Batch No.: 1  
Chemical Name:

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 1915739-87-5  
Molecular Formula: C<sub>55</sub>H<sub>100</sub>N<sub>3</sub>O<sub>14</sub>P  
Molecular Weight: 1058.37  
Storage: 2-8°C, sealed storage, away from moisture

Chemical Structure:



### ANALYTICAL DATA

Appearance: A solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >95.00%  
Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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