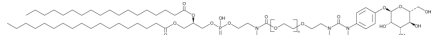


## Certificate of Analysis

Product Name: DSPE-PEG(2000)-Mannose  
Cat. No.: GC91884  
Batch No.: 1  
Chemical Name:  $\alpha$ -[(9R)-6-hydroxy-6-oxido-1,12-dioxo-9-[(1-oxooctadecyl)oxy]-5,7,11-trioxa-2-aza-6-phosphanonacos-1-yl]- $\omega$ -[2-[[[4-( $\alpha$ -D-mannopyranosyloxy)phenyl]amino]thioxomethyl]amino]ethoxy]-poly(oxy-1,2-ethanediyl)

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 1829524-73-3  
Molecular Formula:  $(C_2H_4O)_n C_{57}H_{102}N_3O_{16}PS$   
Molecular Weight: 2000Da  
Storage: -20°C  
Chemical Structure: 

### ANALYTICAL DATA

Appearance: A solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >98.00%  
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.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA