

DSPE-PEG(2000) Carboxylic Acid

1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[carboxy(polyethylene glycol)-2000] (sodium salt)

880135P-100mg
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|-------------------------|---|
| Molecular Weight | 2780.38 (average MW due to polydispersity of PEG) |
| Chemical Formula | C ₁₃₁ H ₂₅₇ NNaO ₅₅ P (average formula due to polydispersity of PEG) |
| Physical State | Powder |
| Storage | -20°C |
| Expiration Date | One year from date of receipt |
| M Lot Number | 6296PLB010 |
| Lot Number | 880135P-100MG-B-010 |

| ANALYSIS | SPECIFICATION | RESULTS |
|--|---|---------------------------|
| Physical examination | Powder: White solid which contains no foreign matter. | Pass |
| TLC (80:20:2 Chloroform:Methanol:Ammonium Hydroxide) | >99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot | All Pass |
| HPLC-ELSD | NLT 99% (AUC) | 99.8% (AUC) |
| FAME (GC/FID) | NLT 99% 18:0 (AUC) | 100% (AUC) |
| Proton NMR | NMR spectrum consistent with structure | Consistent with structure |

Approved by:

