

DSPE-PEG(5000) Maleimide

1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[maleimide(polyethylene glycol)-5000] (ammonium salt)

880224P-5mg

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| Molecular Weight | 5937.179 (average MW due to polydispersity of PEG) |
| Chemical Formula | C ₂₇₅ H ₅₄₃ N ₄ O ₁₂₅ P (average due to polydispersity of PEG) |
| Physical State | Powder |
| Storage | -20°C |
| Expiration Date | One year from date of receipt |
| M Lot Number | 6304PHC012 |
| Lot Number | 880224P-5MG-C-012 |

| ANALYSIS | SPECIFICATION | RESULTS |
|--------------------------------------|---|---|
| Physical Examination | Powder: White solid which contains no foreign mater | Pass |
| TLC (85:15 Chloroform: Methanol) | >99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot | >99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot |
| HPLC-ELSD | NLT 99% (AUC) | 99.7% (AUC) |
| FAME (GC/FID) | NLT 99% 18:0 (AUC) | 100% 18:0 (AUC) |
| Proton NMR | NMR spectrum consistent with structure | Consistent with structure |
| Molecular Weight (Mw) by TOF-MS | Run and Report | 5762.083 |
| Polydispersity Index (PDI) by TOF-MS | Run and Report | 1.003 |

Approved By:



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