

DSPE-PEG(2000) Amine

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

880128P-100mg

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Molecular Weight	2790.521 (average MW due to polydispersity of PEG)
Chemical Formula	C ₁₃₂ H ₂₆₆ N ₃ O ₅₄ P (representative due to polydispersity of PEG)
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6290PLA077
Lot Number	880128P-100MG-A-077

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (8:2:0.1 Chloroform: Methanol: Ammonium Hydroxide)	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
FAME (GC/FID)	NLT 99% 18:0 (AUC)	100% 18:0 (AUC)
HPLC-ELSD	NLT 99% (AUC)	99.4% (AUC)
Molecular Weight (Mw) by LC-TOF-MS	Run and Report	2860.276
Polydispersity Index (PDI) by LC-TOF-MS	Run and Report	1.004

Approved by:



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