

DSPE-PEG(2000) Maleimide

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

880126

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Molecular Weight	2941.605 (average MW due to polydispersity of PEG)
Chemical Formula	C ₁₃₉ H ₂₇₁ N ₄ O ₅₇ P (representative due to polydispersity of PEG)
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6288PIA061
Avanti Lot Number	880126P-10MG-A-061

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (4:1 Dichloromethane: Methanol)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative to faint positive Water dip: one major spot	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: faint positive 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)
Average Molecular Weight (Mw) by TOF-MS	Run and Report	3037.649
Polydispersity Index (PDI) by TOF-MS	Run and Report	1.003

Approved by:



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