

DSPE-PEG(2000) Maleimide

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

880126P-10mg
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Molecular Weight	2941.605 (average MW due to polydispersity of PEG)
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6288PIE058
Avanti Lot Number	880126P-10MG-E-058

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	Pass
FAME (GC/FID)	NLT 99% 18:0 (AUC)	100% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Average Molecular Weight (Mw) by TOF MS	Run and Report	Mw = 3073.178
Polydispersity Index (PDI) by TOF-MS	Run and Report	Pd = 1.004

 Approved by: *Meredith Baygood*

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