

## 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** 6288PID058  
**Avanti Lot Number** 880126P-10MG-D-058

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> 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: *Anderson Thomas*

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