

DSPE-PEG(2000) Maleimide

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

880126C-50mg

Page 1 of 1

Molecular Weight	2941.605 (average MW due to polydispersity of PEG)
Physical State	Chloroform
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6288CKA058
Avanti Lot Number	880126C-50MG-A-058

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: Clear solution with 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*

For Research Use Only. Not For Human Use.