

DSPE-PEG(5000) Azide

1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[azido(polyethylene glycol)-5000] (ammonium salt)

880227P-10MG

Page 1 of 1

Molecular Weight	5812.06 (average MW due to polydispersity of PEG)
Chemical Formula	C ₂₆₈ H ₅₃₆ N ₅ O ₁₂₂ P (average due to polydispersity of PEG)
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6306PIB011
Lot Number	880227P-10MG-B-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (85:15 Chloroform: Methanol)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot	>99% Purity Ninhydrin: negative 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% (AUC)
Molecular Weight (Mw) by TOF-MS	Run and Report	5565.522
Polydispersity Index (PDI) by TOF-MS	Run and Report	1.004

Approved by:

