

DSPE-PEG(5000) Amine

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

880132P-10mg

Page 1 of 1

Molecular Weight	5899.9
Chemical Formula	C ₂₆₈ H ₆₅₁ N ₃ O ₁₂₂ P
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6294PIA011
Lot Number	880132P-10MG-A-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (80:20:1 Chloroform: Methanol: Ammonium Hydroxide)	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot	All Pass
HPLC-ELSD	NLT 99% (AUC)	99.9% (AUC)
FAME (GC/FID)	NLT 99% 18:0 (AUC)	100% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Molecular Weight (Mw) by LC-TOF-MS	Run and Report	5298.362
Polydispersity Index (PDI) by LC_TOF_MS	Run and Report	1.004

 Approved by: *Anderson Thomas*

For Research Use Only. Not For Human Use.