

DSPE-PEG(2000) Biotin

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

880129P-50mg

Page 1 of 1

Molecular Weight	3016.781 (average MW due to polydispersity of PEG)
Chemical Formula	C ₁₄₂ H ₂₈₀ N ₅ O ₅₆ PS (representative due to polydispersity of PEG)
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6291PKA036
Lot Number	880129P-50MG-A-036

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (8:2 Chloroform: Methanol)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: faint positive Water dip: one major spot	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: faint positive Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Average Molecular Weight (Mw) by TOF-MS	Run and report	3108.426
Polydispersity Index (PDI) by TOF-MS	Run and report	1.002

Approved by:

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