

DSPE-PEG(2000) Biotin

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

880129C-10mg
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Molecular Weight	3016.781 (average MW due to polydispersity of PEG)
Physical State	Chloroform
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6291CIB035
Lot Number	880129C-10MG-B-035

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: Clear solution with no foreign matter	Pass
TLC (85:15 Chloroform: Methanol)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: faint positive (due to biotin headgroup) Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Average Molecular Weight (Mw) by TOF-MS	Run and Report	3099.170
Polydispersity Index (PDI) by TOF-MS	Run and Report	1.003

 Approved by: *Anderson Thomas*

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