

**DSPE-PEG(2000) Biotin**

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

**880129P-10mg**
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<b>Molecular Weight</b>	3016.781 (average MW due to polydispersity of PEG)
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	6291PIB035
<b>Lot Number</b>	880129P-10MG-B-035

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains 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 reference 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:



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