

**DSPE-PEG(2000) Biotin**

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

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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** 6291CIH034  
**Avanti Lot Number** 880129C-10MG-H-034

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Chloroform:</b> Clear solution with no foreign matter	Pass
TLC (8:2 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

Approved By: *Andriana Thomas*

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