

## DSPE PEG(2000)-N-Cy5.5

1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[amino(polyethylene glycol)-2000]-N-(Cyanine 5.5)

880154C-1mg

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<b>Molecular Weight</b>	3338.26 (average MW due to polydispersity of PEG)
<b>Chemical Formula</b>	C <sub>172</sub> H <sub>303</sub> N <sub>4</sub> O <sub>55</sub> P
<b>Physical State</b>	Chloroform
<b>Storage</b>	-20°C
<b>Expiration Date</b>	Three months from date of receipt
<b>M Lot Number</b>	6763CGE010
<b>Avanti Lot Number</b>	880154C-1MG-E-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Chloroform:</b> Blue solution which contains no foreign matter	Pass
TLC (80:20:2 Chloroform: Methanol: Water)	>99% Purity UV: one major spot Ninhydrin spray: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Molecular Weight (MW) by TOF-MS	Run and Report	3341.568
Polydispersity Index (PDI) by TOF-MS	Run and Report	1.003

Approved By:



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