

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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Molecular Weight	3338.26 (average MW due to polydispersity of PEG)
Chemical Formula	C ₁₇₂ H ₃₀₃ N ₄ O ₅₅ P
Physical State	Chloroform
Storage	-20°C
Expiration Date	Three months from date of receipt
M Lot Number	6763CGC010
Avanti Lot Number	880154C-1MG-C-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: 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: *Anderson Thomas*

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