

18:0 Cy5 PE

1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-(Cyanine 5)

810345C-5mg

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Molecular Weight	1266.200
Chemical Formula	C ₇₃ H ₁₂₂ ClN ₄ O ₉ P
Physical State	Chloroform
Storage	-20°C
Expiration Date	Three months from date of receipt
M Lot Number	5445CHA013
Avanti Lot Number	810345C-5MG-A-013

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: Blue solution with no foreign matter	Pass
TLC (80:20:2 Chloroform: Methanol: Water)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
Mass Spectroscopy	[M-Cl-NH ₄ +H] ⁺ = 1213.75 ± 1 amu	[M-Cl-NH ₄ +H] ⁺ = 1212.9 amu
NBD/Liss Rhod Concentration	Run and Report	5.75 mg/mL
Proton NMR	NMR spectrum consistent with structure	Consistent with structure

Approved By: *Anderson Thomas*

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