

18:1 Cy5 PE

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

810335C-1mg

Page 1 of 1

Molecular Weight	1262.17
Chemical Formula	C ₇₃ H ₁₁₈ ClN ₄ O ₉ P
Physical State	Chloroform
Storage	-20°C
Expiration Date	Three months from date of receipt
M Lot Number	5441CGC013
Avanti Lot Number	810335C-1MG-C-013

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: Blue solution with no foreign matter	Pass
TLC (80:20:2 Chloroform: Methanol: Water)	>99% Purity UV: one major spot Ninhydrin: 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
NBD/Liss Rhod Concentration	Run and Report	3.08 mg/mL
Mass Spectroscopy	[M-Cl-NH ₄ +H] ⁺ = 1210.17 ± 1 amu	[M-Cl-NH ₄ +H] ⁺ = 1209.24 amu

Approved By: *Anderson Thomas*

For Research Use Only. Not For Human Use.