

18:1 Cy5 PC

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

850483C-250ug

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Molecular Weight	1316.3
Chemical Formula	C ₇₇ H ₁₂₄ ClN ₄ O ₉ P
Physical State	Chloroform
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6657CEA011
Avanti Lot Number	850483C-250UG-A-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: Blue solution which contains no foreign matter.	Pass
TLC (65:30:6 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	>99% Purity UV: one major spot Ninhydrin spray: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
UV Concentration [NBD]	Run and Report	1.94 mg/ml
Mass Spectroscopy	[M-Cl+H] ²⁺ = 640.9 ± 1 amu	[M-Cl+H] ²⁺ = 641.0 amu

Approved By: *Anderson Thomas*

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