

**18:1 Cy5 PE**

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

**810335C-5mg**

**Page 1 of 1**

<b>Molecular Weight</b>	1262.17
<b>Chemical Formula</b>	C <sub>73</sub> H <sub>118</sub> CIN <sub>4</sub> O <sub>9</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>	5441CHB013
<b>Avanti Lot Number</b>	810335C-5MG-B-013

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Chloroform:</b> 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 <sub>4</sub> +H] <sup>+</sup> = 1210.17 ± 1 amu	[M-Cl-NH <sub>4</sub> +H] <sup>+</sup> = 1209.24 amu

Approved By: *Anderson Thomas*

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