

**18:1 PE-TopFluor<sup>®</sup> AF594**

 1,2-dioleoyl-sn-glycero-3-phosphoethanolamine-N-(TopFluor<sup>®</sup> AF594) (ammonium salt)

**810387C-250ug**

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<b>Molecular Weight</b>	1499.89
<b>Chemical Formula</b>	C <sub>76</sub> H <sub>119</sub> N <sub>6</sub> O <sub>18</sub> PS <sub>2</sub>
<b>Physical State</b>	Chloroform
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	6601COC010
<b>Avanti Lot Number</b>	810387C-250UG-C-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Chloroform:</b> Purple solution which contains no foreign matter.	Pass
TLC (65:35:8 Chloroform: Methanol: Water)	>99% Purity UV: one major spot 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
Mass Spectroscopy	[M-3NH <sub>4</sub> +H] <sup>2-</sup> = 723.45 ± 1 amu [M-3NH <sub>4</sub> +2H] <sup>-</sup> = 1447.89 ± 1 amu	[M-3NH <sub>4</sub> +H] <sup>2-</sup> = 723.5 amu [M-3NH <sub>4</sub> +2H] <sup>-</sup> = 1447.3 amu
Excitation/Emission by UV/VIS	λ <sub>Ex max</sub> = 583nm λ <sub>Em max</sub> = 615nm	Pass



Approved By:

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