

**18:1 PE-TopFluor<sup>®</sup> AF488**

 1,2-dioleoyl-sn-glycero-3-phosphoethanolamine-N-(TopFluor<sup>®</sup> AF488) (ammonium salt)

**810386C-250ug**

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<b>Molecular Weight</b>	1311.58
<b>Chemical Formula</b>	C <sub>62</sub> H <sub>99</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>	6602COB010
<b>Avanti Lot Number</b>	810386C-250UG-B-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Chloroform:</b> Red solution which contains no foreign matter	Pass
TLC (65:35:8 Chloroform: Methanol: Water)	>99% Purity UV: one major spot Ninhydrin: positive 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> = 629.79 ± 1 amu	[M-3NH <sub>4</sub> +H] <sup>2-</sup> = 628.8 amu
Excitation/Emission by UV/Vis	λ <sub>Ex max</sub> = 495 nm λ <sub>Em max</sub> = 519 nm	Pass

Approved By:



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