

**TopFluor<sup>®</sup> PE**

1-palmitoyl-2-(dipyrrometheneboron difluoride)undecanoyl-sn-glycero-3-phosphoethanolamine

**810282P-5mg**

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<b>Molecular Weight</b>	867.89
<b>Chemical Formula</b>	C <sub>45</sub> H <sub>77</sub> BF <sub>2</sub> N <sub>3</sub> O <sub>8</sub> P
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	5421PHC020
<b>Avanti Lot Number</b>	810282P-5MG-C-020

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> Yellow solid with no foreign matter	Pass
TLC	>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
Excitation/Emission by UV/Vis	$\lambda_{Ex\ max} = 495\ nm$ $\lambda_{Em\ max} = 503\ nm$	Pass
Mass Spectroscopy	$[M+H]^+ = 868.89 \pm 1\ amu$	$[M+H]^+ = 868.6\ amu$

 Approved By: *Andriana Thomas*

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