

**TopFluor® PE**

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

**810282P-1mg**

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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>      | 5421PGA020  |
| <b>Avanti Lot Number</b> | 810282P-1MG-A-020   |

| ANALYSIS                      | SPECIFICATION   | RESULTS                   |
|-------------------------------|---|---------------------------|
| Physical Examination          | <b>Powder:</b> Yellow solid with no foreign matter  | Pass                      |
| TLC                           | >99% Purity<br>UV: one major spot<br>Ninhydrin: positive<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive<br>Water dip: one major spot | All Pass                  |
| Proton NMR                    | NMR spectrum consistent with structure  | Consistent with structure |
| Excitation/Emission by UV/Vis | $\lambda_{Ex\ max} = 495\ nm$<br>$\lambda_{Em\ max} = 503\ nm$  | Pass                      |
| Mass Spectroscopy             | $[M+H]^+ = 868.89 \pm 1\ amu$   | $[M+H]^+ = 868.6\ amu$    |

 Approved By: *Andriana Thomas*

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