

## 18:1 NBD PS

1,2-dioleoyl-sn-glycero-3-phospho-L-serine-N-(7-nitro-2-1,3-benzoxadiazol-4-yl) (ammonium salt)

810198C-1mg

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|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| <b>Molecular Weight</b>  | 985.195                                                          |
| <b>Chemical Formula</b>  | C <sub>48</sub> H <sub>85</sub> N <sub>6</sub> O <sub>13</sub> P |
| <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>      | 5377CGA032                                                       |
| <b>Avanti Lot Number</b> | 810198C-1MG-A-032                                                |

| ANALYSIS                      | SPECIFICATION                                                                                                                                                 | RESULTS                                          |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Physical examination          | Chloroform: Yellow to orange solution 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                                         |
| Mass Spectroscopy             | [M-NH <sub>4</sub> +2H] <sup>+</sup> = 969.171 ± 1 amu                                                                                                        | [M-NH <sub>4</sub> +2H] <sup>+</sup> = 969.3 amu |
| Excitation/Emission by UV/VIS | λ <sub>Ex max</sub> = 469 nm<br>λ <sub>Em max</sub> = 539 nm                                                                                                  | Pass                                             |

Approved by:

