

## 18:0 NBD PE (NBD-DSPE)

1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-(7-nitro-2-1,3-benzoxadiazol-4-yl) (ammonium salt)

810141P-10mg

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|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| <b>Molecular Weight</b>  | 928.186                                                          |
| <b>Chemical Formula</b>  | C <sub>47</sub> H <sub>86</sub> N <sub>5</sub> O <sub>11</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>      | 5334PIA012                                                       |
| <b>Avanti Lot Number</b> | 810141P-10MG-A-012                                               |

| ANALYSIS                      | SPECIFICATION                                                                                                                                                                    | RESULTS                                       |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Physical examination          | <b>Powder:</b> Yellow or orange solid which contains no foreign matter.                                                                                                          | Pass                                          |
| TLC                           | >99% Purity<br>UV: one major spot<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: negative to slight positive<br>Water dip: one major spot | All Pass                                      |
| Mass Spectroscopy             | [M-NH <sub>4</sub> ] <sup>+</sup> = 910.186 ± 1 amu                                                                                                                              | [M-NH <sub>4</sub> ] <sup>+</sup> = 910.0 amu |
| Excitation/Emission by UV/VIS | λ <sub>Ex max</sub> 460nm<br>λ <sub>Em max</sub> 535nm                                                                                                                           | Pass                                          |

Approved By:

