

## 18:1 MPB PE

1,2-dioleoyl-sn-glycero-3-phosphoethanolamine-N-[4-(p-maleimidophenyl)butyramide] (sodium salt)

870012C-25mg

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|                         |                                                                    |
|-------------------------|--------------------------------------------------------------------|
| <b>Molecular Weight</b> | 1007.258                                                           |
| <b>Chemical Formula</b> | C <sub>55</sub> H <sub>88</sub> N <sub>2</sub> O <sub>11</sub> PNa |
| <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>     | 6156CJA057                                                         |
| <b>Lot Number</b>       | 870012C-25MG-A-057                                                 |

| ANALYSIS             | SPECIFICATION                                                                                                                           | RESULTS                         |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Physical examination | <b>Chloroform:</b> Clear solution with no foreign matter.                                                                               | Pass                            |
| TLC                  | >99% Purity<br>Ninhydrin: negative<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       |
| Mass Spectroscopy    | [M-Na] <sup>+</sup> = 984.3 ± 1 amu                                                                                                     | [M-Na] <sup>+</sup> = 983.8 amu |

Approved By:

