

## 18:1 DBCO PE

1,2-dioleoyl-sn-glycero-3-phosphoethanolamine-N-dibenzocyclooctyl

870129C-25mg

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|                         |                                                                  |
|-------------------------|------------------------------------------------------------------|
| <b>Molecular Weight</b> | 1048.376                                                         |
| <b>Chemical Formula</b> | C <sub>60</sub> H <sub>94</sub> N <sub>3</sub> O <sub>10</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>     | 6165CJA011                                                       |
| <b>Lot Number</b>       | 870129C-25MG-A-011                                               |

| ANALYSIS                                      | SPECIFICATION                                                                                                                           | RESULTS                                        |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Physical examination                          | Chloroform: Clear solution with no foreign matter.                                                                                      | Pass                                           |
| TLC<br>(80:20:2<br>Chloroform:Methanol:Water) | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive<br>Water dip: one major spot | All Pass                                       |
| FAME (GC/FID)                                 | NLT 99% 18:1 (AUC)                                                                                                                      | 100% (AUC)                                     |
| Proton NMR                                    | NMR spectrum consistent with structure                                                                                                  | Consistent with structure                      |
| Mass Spectroscopy                             | [M-NH <sub>4</sub> ] <sup>+</sup> = 1030.4 ± 1 amu                                                                                      | [M-NH <sub>4</sub> ] <sup>+</sup> = 1029.7 amu |

Approved By:

