

## 18:1 Liss Rhod PE

1,2-dioleoyl-sn-glycero-3-phosphoethanolamine-N-(lissamine rhodamine B sulfonyl) (ammonium salt)

810150P-5mg

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|                          |                                                                                 |
|--------------------------|---------------------------------------------------------------------------------|
| <b>Molecular Weight</b>  | 1301.715                                                                        |
| <b>Chemical Formula</b>  | C <sub>68</sub> H <sub>109</sub> N <sub>4</sub> O <sub>14</sub> PS <sub>2</sub> |
| <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>      | 5340PHS090                                                                      |
| <b>Avanti Lot Number</b> | 810150P-5MG-S-090                                                               |

| ANALYSIS                      | SPECIFICATION                                                                                                                                            | RESULTS                                        |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Physical Examination          | <b>Powder:</b> Pink to dark pink solid which contains no foreign matter                                                                                  | Pass                                           |
| TLC                           | >99% Purity<br>UV: one major spot<br>Ninhydrin: n/a<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive<br>Water dip: one major spot | All Pass                                       |
| Excitation/Emission by UV/Vis | 560nm/583nm                                                                                                                                              | Pass                                           |
| Mass Spectroscopy             | [M-NH <sub>4</sub> ] <sup>+</sup> = 1283.715 ± 1 amu                                                                                                     | [M-NH <sub>4</sub> ] <sup>+</sup> = 1283.4 amu |

Approved By: *Anderson Thomas*

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