

**08:0 PI(3,5)P2**

**1,2-dioctanoyl-sn-glycero-3-phospho-(1'-myo-inositol-3',5'-bisphosphate) (ammonium salt)**

**850184P-100ug**

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|                          |                                                                               |
|--------------------------|-------------------------------------------------------------------------------|
| <b>Molecular Weight</b>  | 797.658                                                                       |
| <b>Chemical Formula</b>  | C <sub>25</sub> H <sub>58</sub> N <sub>3</sub> O <sub>19</sub> P <sub>3</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>      | 5620PDA011                                                                    |
| <b>Avanti Lot Number</b> | 850184P-100UG-A-011                                                           |

| ANALYSIS                                                                        | SPECIFICATION                                                                                                                           | RESULTS                                                                                                |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Physical examination                                                            | <b>Powder:</b> White solid which contains no foreign matter.                                                                            | Pass                                                                                                   |
| TLC<br>(45: 35: 7.7: 2.3 Chloroform:<br>Methanol: Water: Ammonium<br>Hydroxide) | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: negative<br>Water dip: one major spot | All Pass                                                                                               |
| Proton NMR                                                                      | NMR spectrum consistent with structure                                                                                                  | consistent with structure                                                                              |
| Phosphorus NMR                                                                  | NMR spectrum consistent with structure                                                                                                  | consistent with structure                                                                              |
| Mass Spectroscopy                                                               | [M-3NH <sub>4</sub> +2H] <sup>+</sup> = 745.658 ± 1 amu<br>[M-3NH <sub>4</sub> +H] <sup>2+</sup> = 372.329 ± 1 amu                      | [M-3NH <sub>4</sub> +2H] <sup>+</sup> = 745.7 amu<br>[M-3NH <sub>4</sub> +H] <sup>2+</sup> = 372.5 amu |

Approved By:

