

18:1 PI(4,5)P2

1,2-dioleoyl-sn-glycero-3-phospho-(1'-myo-inositol-4',5'-bisphosphate) (ammonium salt)

850155P-500ug

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|--------------------------|---|
| Molecular Weight | 1074.158 |
| Chemical Formula | C ₄₅ H ₉₄ N ₃ O ₁₉ P ₃ |
| Physical State | Powder |
| Storage | -20°C |
| Expiration Date | One year from date of receipt |
| M Lot Number | 5606PFD013 |
| Avanti Lot Number | 850155P-500UG-D-013 |

| ANALYSIS | SPECIFICATION | RESULTS |
|----------------------|---|---|
| Physical Examination | Powder: White solid which contains no foreign matter | Pass |
| TLC | >99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive 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 ₄ +H] ²⁻ = 510.579 ± 1 amu [M-3NH ₄ +2H] ⁻ = 1022.158 ± 1 amu | [M-3NH ₄ +H] ²⁻ = 510.4 amu [M-3NH ₄ +2H] ⁻ = 1021.7 amu |
| Phosphorus Assay | 95-105% recovery phosphorus | 105.2% recovery |
| Calcium (ICP/MS) | NMT 500ppm | None Detected |

Approved By:



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