

14:0 PC-d58

1,2-dimyristoyl-d54-sn-glycero-3-phosphocholine-1,1,2,2-d4

860346P-10mg

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|--------------------------|--|
| Molecular weight | 736.29 |
| Chemical formula | C ₃₆ H ₁₄ NO ₈ PD ₅₈ |
| Physical State | Powder |
| Storage | -20°C |
| Expiration Date | One year from date of receipt |
| M Lot Number | 6498PIA015 |
| Avanti Lot Number | 860346P-10MG-A-015 |

| ANALYSIS | SPECIFICATION | RESULTS |
|----------------------|--|--------------------------------|
| Physical Examination | Powder: White solid which contains no foreign matter | Pass |
| TLC | >99% Purity Ninhydrin: spray: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot | All Pass |
| FAME (GC/FID) | NLT 99% 14:0 (AUC) | 99.3% AUC |
| Proton NMR | NMR spectrum consistent with structure | Consistent with structure |
| Mass Spectroscopy | [M+H] ⁺ = 733.29-739.29 ± 1 amu (multiple peaks will be observed across this range due to proton/deuterium exchange) | [M+H] ⁺ = 735.2 amu |

Approved By:

