

14:0 PC-d67

1,2-dimyristoyl-d54-sn-glycero-3-phosphocholine-1,1,2,2-d4-N,N,N-trimethyl-d9

860348P-25mg

Page 1 of 1

Molecular Weight	745.345
Chemical Formula	C ₃₆ H ₅ NO ₈ PD ₆₇
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5887PJA050
Avanti Lot Number	860348P-25MG-A-050

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: negative Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H] ⁺ = 741.3 – 747.3 ± 1 amu (multiple peaks will be observed across this range due to proton/deuterium exchange)	[M+H] ⁺ = 743.9 amu
Isotopic Purity by Mass Spectroscopy	Run and Report	5.0%

Approved By: *Andriana Thomas*

For Research Use Only. Not For Human Use.