

14:0 PS-d54

1,2-dimyristoyl-d54-sn-glycero-3-[phospho-L-serine] (sodium salt)

860400P-25mg

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Molecular Weight	756.177
Chemical Formula	C ₃₄ H ₁₁ NO ₁₀ PNaD ₅₄
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5913PJB025
Avanti Lot Number	860400P-25MG-B-025

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	Powder : White solid which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot	All Pass
FAME (GC/FID)	NLT 99% 14:0 (AUC)	99.7% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-Na+2H] ⁺ = 729.2 – 736.2 ± 1 amu (Multiple peaks will be observed across this range due to proton/deuterium exchange)	[M-Na+2H] ⁺ = 733.3 amu

Approved by:

