

16:0-d31-18:1 PS

1-palmitoyl-d31-2-oleoyl-sn-glycero-3-[phospho-L-serine] (sodium salt)

860403P-10mg

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Molecular Weight	815.179
Chemical Formula	C ₄₀ H ₄₄ NO ₁₀ PNaD ₃₁
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5916PIB027
Avanti Lot Number	860403P-10MG-B-027

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: positive Water dip: one major spot	All Pass
FAME (GC/FID)	50 ± 5% 16:0 (AUC) 50 ± 5% 18:1 (AUC) NLT 99% Total	46.4% 16:0 (AUC) 53.2% 18:1 (AUC) 99.6% total (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-Na+2H] ⁺ = 790.2-795.2 ± 1 amu (multiple peaks will be observed across this range due to proton/deuterium exchange)	[M-Na+2H] ⁺ = 792.8 amu
Calcium (ICP/MS)	NMT 500ppm	None detected

Approved by:

