

16:0 LPA (U-13C)

1-Palmitoyl(U-13C)-2-Hydroxy-sn-Glycero-3-Phosphate (Sodium Salt)

790661

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Molecular Weight	448.347
Chemical Formula	C ₃ ¹³ C ₁₆ H ₃₈ NaO ₇ P
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5252PHA011
Avanti Lot Number	790661P-5MG-A-011

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
FAME (GC/FID)	NLT 99% 16:0 (AUC)	Pass
Phosphorus Assay	95-105% recovery phosphorus	104% recovery
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Calcium (ICP/MS)	NMT 500 ppm	None Detected
Mass Spectroscopy	[M-Na] ⁺ = 425.3 ± 1 amu	[M-Na] ⁺ = 425.5 amu

Approved by: 

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