

**16:0 Lyso PS**

1-palmitoyl-2-hydroxy-sn-glycero-3-phospho-L-serine (sodium salt)

**858142P-1mg**

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<b>Molecular Weight</b>	519.542
<b>Chemical Formula</b>	C <sub>22</sub> H <sub>43</sub> NPO <sub>9</sub> Na
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	5858PGC013
<b>Avanti Lot Number</b>	858142P-1MG-C-013

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> 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% 16:0 (AUC)	100% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H] <sup>+</sup> = 520.542 ± 1 amu [M-Na+2H] <sup>+</sup> = 498.542 ± 1 amu	[M+H] <sup>+</sup> = 520.7 amu [M-Na+2H] <sup>+</sup> = 498.6 amu
Phosphorus Assay	95-105% recovery phosphorus	102% recovery
Calcium (ICP/MS)	NMT 500ppm	None Detected

Approved By:



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