

**14:0 PS**

**1,2-dimyristoyl-*sn*-glycero-3-phospho-L-serine (sodium salt)**

**840033P-25mg**

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**Molecular Weight** 701.844  
**Chemical Formula** C<sub>34</sub>H<sub>65</sub>NO<sub>10</sub>PNa  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5496PJE096  
**Avanti Lot Number** 840033P-25MG-E-096

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	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
FAME (GC/FID)	NLT 99% 14:0 (AUC)	100% (AUC)
Calcium (ICP/MS)	NMT 500 ppm	76.3 ppm
Mass Spectroscopy	Negative mode: [M-Na] <sup>-</sup> = 678.844 ± 1 amu or Positive mode: [M-Na+2H] <sup>+</sup> = 680.844 ± 1 amu	[M-Na+2H] <sup>+</sup> = 680.9 amu

Approved By:



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