

**17:0-22:4 PE-d5**

**1-heptadecanoyl-2-docosatetraenoyl-sn-glycero(d5)-3-phosphoethanolamine**

**856717L-1mg**

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**Molecular Weight** 787.13  
**Chemical Formula** C<sub>44</sub>H<sub>75</sub>D<sub>5</sub>NO<sub>8</sub>P  
**Physical State** 1:1 Dichloromethane:Methanol  
**Storage** -20°C  
**Expiration Date** Three months from date of receipt  
**M Lot Number** 6797LGA011  
**Avanti Lot Number** 856717L-1MG-A-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	DCM: MeOH: Clear, colorless solution 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
UV Oxidation	NMT 5% total all wavelengths	4% total
FAME (GC/FID)	NLT 99% combined 17:0 and 22:4 (AUC)	100% combined 17:0 and 22:4 (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H] <sup>+</sup> = 788.1 ± 1 amu	[M+H] <sup>+</sup> = 787.6 amu
Isotopic Purity by Mass Spec	Run and Report	97.7%

Approved By:



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