

16:0-20:4 PC-IsoPure

1-palmitoyl-2-arachidonoyl-sn-glycero-3-phosphocholine (IsoPure)

792524C-5mg

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Molecular Weight	782.10
Chemical Formula	C ₄₄ H ₈₀ NO ₈ P
Physical State	Chloroform
Storage	-20°C
Expiration Date	Three months from date of receipt
M Lot Number	6760CHA011
Avanti Lot Number	792524C-5MG-A-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: Clear, colorless solution with no foreign matter	Pass
TLC	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Carbon NMR	NMR spectrum consistent with structure NMT 5% of acyl migration	Consistent with structure No acyl migration detected
FAME (GC/FID)	NLT 99% combined 16:0 and 20:4 (AUC)	99.7% combined 16:0 and 20:4 (AUC)
UV Oxidation	NMT 5% total all wavelengths	0.62% total all wavelengths
Mass Spectroscopy	[M+H] ⁺ = 783.1 ± 1 amu	[M+H] ⁺ = 782.6 amu

Approved By:



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