

18:0-18:2 DG

1-stearoyl-2-linoleoyl-sn-glycerol

800817C-10mg

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Molecular Weight 620.986
Chemical Formula C₃₉H₇₂O₅
Physical State Chloroform
Storage -20°C
Expiration Date Three months from date of receipt
M Lot Number 5301CIA015
Avanti Lot Number 800817C-10MG-A-015

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: Clear solution with no foreign matter	Pass
TLC (95:5 Chloroform: Acetone)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
UV Oxidation	NMT 5% total all wavelengths	0.61% total
HPLC-ELSD	NLT 99% (AUC)	99.1% 1,2 isomer 0.9% 1,3 isomer
FAME (GC/FID)	NLT 50% ± 5% 18:0 (AUC) NLT 50% ± 5% 18:2 (AUC) NLT 99% (AUC)	52% 18:0 (AUC) 47.6% 18:2 (AUC) 99.6% total (AUC)
Mass Spectroscopy	[M+NH ₄] ⁺ = 638.9 ± 1 amu	[M+NH ₄] ⁺ = 638.8 amu

Approved by:



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