

18:0-22:6 DG

1-stearoyl-2-docosaheptaenoyl-*sn*-glycerol

800819C-10mg

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Molecular Weight	669.029
Chemical Formula	C ₄₃ H ₇₂ O ₅
Physical State	Chloroform
Storage	-20°C
Expiration Date	3 Months from date of shipment, see product label for expiration date
M Lot Number	5305CIA014
Avanti Lot Number	800819C-10MG-A-014

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: Clear solution which contains 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	All Pass
UV Oxidation	NMT % total all wavelengths	0.53% total
HPLC-ELSD	NLT 99% (AUC)	98.9% 1,3 DG Isomer (AUC) 1.1% 1,2 DG Isomer (AUC)
FAME (GC/FID)	NLT 99% (AUC)	45.9% 18:0 (AUC) 53.8% 22:6 (AUC) 99.7% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+NH ₄] ⁺ = 687.029 ± 1 amu	[M+NH ₄] ⁺ = 686.7 amu

Melissa Bolin

Approved By:

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