

18:1 DG

1-2-dioleoyl-sn-glycerol

800811O-25mg

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Molecular Weight	620.986
Chemical Formula	C ₃₉ H ₇₂ O ₅
Physical State	Oil
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5296OJA064
Avanti Lot Number	800811O-25MG-A-064

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Oil: Clear, viscous liquid 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	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
HPLC-ELSD	NLT 99% (AUC)	99.2% 1,2 DG Isomer 0.8% 1,3 DG Isomer 100% total (AUC)
FAME (GC/FID)	NLT 99% 18:1 (AUC)	99.6% (AUC)
Mass Spectroscopy	[M+NH ₄] ⁺ = 638.986 ± 1 amu	[M+NH ₄] ⁺ = 638.7 amu

Approved By: *Anderson Thomas*

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