

18:0-20:4 DG

1-stearoyl-2-arachidonoyl-sn-glycerol

800818C-10mg

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Molecular Weight	645.007
Chemical Formula	C ₄₁ H ₇₂ O ₅
Physical State	Chloroform
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5302CIB018
Avanti Lot Number	800818C-10MG-B-018

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	All pass
UV Oxidation	NMT 5% total all wavelengths	0.13% total all wavelengths
HPLC-ELSD	NLT 99% (AUC)	100% DG (AUC)
FAME (GC/FID)	NLT 50% ± 5% 18:0 (AUC) NLT 50% ± 5% 20:4 (AUC) NLT 99% Total	46.5% 18:0 (AUC) 53.1% 20:4 (AUC) 99.6% total (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H] ⁺ = 646.007 ± 1 amu	[M+H] ⁺ = 645.4

Approved by:



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