

18:0-20:4 DG

1-stearoyl-2-arachidonoyl-sn-glycerol

800818C-10mg

Page 1 of 1

Molecular Weight	645.007
Chemical Formula	C ₄₁ H ₇₂ O ₅
Physical State	Chloroform
Storage	-20 °C
Expiration Date	Three months from date of receipt
M Lot Number	5302CIA018
Avanti Lot Number	800818C-10MG-A-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	0.17% 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] ⁺ = 645.7

Approved by:

