

1,3-16:1 D5 DG
1,3-di-(9Z-hexadecenoyl)-2-hydroxy-sn-glycerol-d5
800853T-1mg
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Molecular weight	569.920
Chemical formula	C ₃₅ H ₅₉ D ₅ O ₅
Physical State	Toluene:Methanol (1:1) solution
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6554TGA010
Avanti Lot Number	800853T-1MG-A-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	1:1 Toluene:Methanol: Clear solution which contains no foreign matter	Pass
TLC (7:3 Hexane:Ethyl Acetate)	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	All Pass
Mass Spectroscopy	[M+NH ₄] ⁺ = 583.92-589.92 ± 1 amu (multiple peaks will be observed across this range due to proton/deuterium exchange)	[M+NH ₄] ⁺ = 587.4 amu
HPLC-ELSD	Run and Report	96.1% 1,3 DG isomer 3.9% 1,2 DG isomer

Approved By:

