

16:1 Ceramide-d7 (d18:1-d7/16:1)
N-palmitoleoyl-D-erythro-sphingosine-d7
860748L-1mg
Page 1 of 1

Molecular Weight	542.93
Chemical Formula	C ₃₄ H ₅₈ D ₇ NO ₃
Physical State	1:1 Dichloromethane: Methanol
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6779LGB010
Avanti Lot Number	860748L-1MG-B-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	DCM: MeOH: Clear solution with no foreign matter	Pass
TLC (9:1 Chloroform: Methanol)	>99% Purity Ninhydrin spray: 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
Mass Spectroscopy	[M+H] ⁺ = 543.93 ± 1 amu	[M+H] ⁺ = 543.7 amu

 Approved By: *Anderson Thomas*

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