

C16 Ceramide (d14:1/16:0)

N-palmitoyl-D-erythro-sphingosine (C14 base)

860671P-10mg

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Molecular weight	481.794
Chemical formula	C ₃₀ H ₅₉ NO ₃
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6520PIA010
Avanti Lot Number	80671P-10MG-A-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains 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 reference structure	Consistent with structure
Mass Spectrometry	[M+H] ⁺ = 482.794 ± 1 amu [M+H-H ₂ O] ⁺ = 464.794 ± 1 amu [M+Na] ⁺ = 504.794 ± 1 amu [M+H+NaCl] ⁺ = 540.794 ± 1 amu	[M+H] ⁺ = 482.7 amu [M+H-H ₂ O] ⁺ = 464.9 amu [M+Na] ⁺ = 504.9 amu [M+H+NaCl] ⁺ = 540.8 amu

Approved By:

