

C14 Ceramide (d18:1/14:0)

N-myristoyl-D-erythro-sphingosine

860514P-5mg
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Molecular Weight	509.848
Chemical Formula	C ₃₂ H ₆₃ NO ₃
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5967PHE011
Avanti Lot Number	860514P-5MG-E-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (9:1 Chloroform: Methanol)	>99% Purity Ninhydrin: 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] ⁺ = 510.848 ± 1 amu or [M+NH ₄] ⁺ = 527.848 ± 1 amu	[M+H] ⁺ = 510.9 amu

 Approved By: *Anderson Thomas*

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