

C16 Ceramide (d18:1/16:0)

N-palmitoyl-D-erythro-sphingosine

860516P-5mg

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Molecular Weight 537.901
Chemical Formula C₃₄H₆₇NO₃
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 5968PHF022
Avanti Lot Number 860516P-5MG-F-022

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (95:5 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] ⁺ = 538.901 ± 1 amu	[M+H] ⁺ = 539.0 amu

Approved By: *Andriana Thomas*

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