

16:0-d31 Ceramide

N-palmitoyl-d31-D-erythro-sphingosine

868516P-5mg

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Molecular Weight	569.092
Chemical Formula	C ₃₄ H ₃₆ NO ₃ D ₃₁
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6154PHB012
Avanti Lot Number	868516P-5MG-B-012

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] ⁺ = 565.1-573.1 ± 1 amu (multiple peaks will be observed across this range due to proton/deuterium exchange)	[M+H] ⁺ = 569.7 amu

Approved By:



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