

C24 Ceramide (d18:1/24:0)

N-lignoceroyl-D-erythro-sphingosine

860524P-5mg

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Molecular Weight	650.113
Chemical Formula	C ₄₂ H ₈₃ NO ₃
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5976PHC018
Avanti Lot Number	860524P-5MG-C-018

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
Carbon NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H] ⁺ = 651.113 ± 1 amu	[M+H] ⁺ = 650.8 amu

 Approved By: *Andriana Thomas*

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