

C24:0 Galactosyl(β)ceramide(d18:1/24:0)

D-galactosyl-β-1,1'-N-lignoceroyl-D-erythro-sphingosine

860854P-5mg

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Molecular Weight	812.25
Chemical Formula	C ₄₈ H ₉₃ NO ₈
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6637PHE010
Avanti Lot Number	860854P-5MG-E-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (85:15 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 structure	Consistent with structure
Mass Spectroscopy	[M-H ₂ O+H] ⁺ = 795.25 ± 1 amu [M-H ₂ O+NH ₄] ⁺ = 812.25 ± 1 amu	[M-H ₂ O+H] ⁺ = 794.7 amu [M-H ₂ O+NH ₄] ⁺ = 812.7 amu

Approved By: *Anderson Thomas*

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