

C18:0 GM1-d5 (synthetic)

C18:0 GM1 Ganglioside-d5 (synthetic, ammonium salt)

860076W-100ug

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Molecular Weight	1568.88
Chemical Formula	C ₇₃ H ₁₂₉ D ₅ N ₄ O ₃₁
Physical State	Methanol
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6458WDA011
Avanti Lot Number	860076W-100UG-A-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Methanol: Clear solution which contains no foreign matter	Pass
TLC (5:4:1 Chloroform: Methanol: Water)	>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-NH ₄] ⁺ = 1550.88 ± 1 amu [M-NH ₄ +CH ₃ COO] ²⁻ = 807.47 ± 1 amu	[M-NH ₄] ⁺ = 1550.5 amu Pass

 Approved By: *Anderson Thomas*

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