

18:1 Chol (D7) ester

 25,26,26,26,27,27,27-heptadeuteriocholest-5-en-3 β -ol (9Z-octadecenoate)

700185M-1mg

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Molecular Weight	658.143
Chemical Formula	C ₄₅ H ₇₁ D ₇ O ₂
Physical State	Methylene Chloride
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5227MGG015
Avanti Lot Number	700185M-1MG-G-015

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Methylene Chloride: Clear solution with no foreign matter	Pass
TLC (95:5 Hexane: Ethyl Acetate)	>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+NH ₄] ⁺ = 676.143 ± 1 amu	[M+NH ₄] ⁺ = 675.8 amu

 Approved By: *Anderson Thomas*

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