

16:0 cholesteryl-d7 ester

cholesteryl-d7 palmitate

700149P-10mg

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Molecular Weight	632.105
Chemical Formula	C ₄₃ H ₆₉ D ₇ O ₂
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5213PIE011
Avanti Lot Number	700149P-10MG-E-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains 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
HPLC-ELSD	NLT 99% (AUC)	99.7% (AUC)
FAME (GC/FID)	NLT 99% 16:0 (AUC)	100% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+NH ₄] ⁺ = 650.105 ± 1 amu	[M+NH ₄] ⁺ = 650.0 amu

 Approved By: *Anderson Thomas*

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