

17:0 cholesteryl ester

 cholest-5-en-3 β -yl heptadecanoate

700186M-1mg
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Molecular Weight	639.089
Chemical Formula	C ₄₄ H ₇₈ O ₂
Physical State	Methylene Chloride
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5228MGC012
Avanti Lot Number	700186M-1MG-C-012

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
FAME (GC/FID)	NLT 99% 17:0 (AUC)	100% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
HPLC-ELSD	NLT 99% (AUC)	100% (AUC)
Mass Spectroscopy	[M+NH ₄] ⁺ = 657.089 \pm 1 amu	[M+NH ₄] ⁺ = 656.8 amu

Approved by:



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