

## 17:0 cholesteryl ester

cholest-5-en-3 $\beta$ -yl heptadecanoate

700186M-1mg

Page 1 of 1

<b>Molecular Weight</b>	639.089
<b>Chemical Formula</b>	C <sub>44</sub> H <sub>78</sub> O <sub>2</sub>
<b>Physical State</b>	Methylene Chloride
<b>Storage</b>	-20 °C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	5228MGA011
<b>Avanti Lot Number</b>	700186M-1MG-A-011

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	<b>Methylene chloride:</b> 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
Mass Spectroscopy	[M+NH <sub>4</sub> ] <sup>+</sup> = 657.089 $\pm$ 1 amu	[M+NH <sub>4</sub> ] <sup>+</sup> = 657.10 amu

Approved by:

