

**18:1 Cholesterol Ester**

cholesteryl oleate

**700269P-100mg**

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<b>Molecular Weight</b>	651.10
<b>Chemical Formula</b>	C <sub>45</sub> H <sub>78</sub> O <sub>2</sub>
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	6752PLA013
<b>Avanti Lot Number</b>	700269P-100MG-A-013

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid with no foreign matter	Pass
TLC (95:5 Hexane: Ethyl Acetate)	>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
HPLC-ELSD	NLT 99% (AUC)	100% (AUC)
FAME (GC/FID)	NLT 99% (AUC)	100% (AUC)
Mass Spectroscopy	[M+NH <sub>4</sub> ] <sup>+</sup> = 669.10 ± 1 amu	[M+NH <sub>4</sub> ] <sup>+</sup> = 668.8 amu



Approved By:

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