

**18:1 Chol (D7) ester**

 25,26,26,26,27,27,27-heptadeuteriocholest-5-en-3 $\beta$ -ol (9Z-octadecenoate)

**700185M-1mg**

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<b>Molecular Weight</b>	658.143
<b>Chemical Formula</b>	C <sub>45</sub> H <sub>71</sub> D <sub>7</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>	5227MGI015
<b>Avanti Lot Number</b>	700185M-1MG-I-015

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
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+NH <sub>4</sub> ] <sup>+</sup> = 676.143 ± 1 amu	[M+NH <sub>4</sub> ] <sup>+</sup> = 675.8 amu

 Approved By: *Anderson Thomas*

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