

**18:1-d7-cholesterol**  
**cholest-5-en-3 $\beta$ -yl oleate-d7**  
**791645C-1mg**

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**Molecular Weight** 658.143  
**Chemical Formula** C<sub>45</sub>H<sub>71</sub>D<sub>7</sub>O<sub>2</sub>  
**Physical State** Chloroform  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5274CGD012  
**Avanti Lot Number** 791645C-1MG-D-012

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Chloroform:</b> Clear solution with no foreign matter	Pass
TLC (95:5 Chloroform: Methanol)	>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> = 675.1-678.1 $\pm$ 1 amu (multiple peaks will be observed across this range due to proton/deuterium exchange)	[M+NH <sub>4</sub> ] <sup>+</sup> = 676.0 amu

Approved By:



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