

Cholesterol-d7

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700041P-10mg

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Molecular Weight	393.697
Chemical Formula	C ₂₇ H ₃₉ OD ₇
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5125PIA023
Avanti Lot Number	700041P-10MG-A-023

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (8:2 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
Carbon NMR	NMR spectrum consistent with structure	Consistent with structure
HPLC-ELSD	NLT 99% (AUC)	99.5% (AUC)
Mass Spectroscopy	[M+NH ₄] ⁺ = 411.70 ± 1 amu	[M+NH ₄] ⁺ = 411.43 amu
Isotopic Purity	Run and Report	99.1%

Approved By:



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