

7 α ,27-dihydroxycholesterol-d6

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700136P-1mg

Page 1 of 1

Molecular Weight	424.689
Chemical Formula	C ₂₇ H ₄₀ D ₆ O ₃
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5203PGD010
Avanti Lot Number	700136P-1MG-D-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (9:1 Chloroform: Methanol)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot
HPLC-ELSD	NLT 99% (AUC)	100% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+NH ₄] ⁺ = 442.689 ± 1 amu	[M+NH ₄] ⁺ = 442.7 amu

Approved By:



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