

7 α ,25-dihydroxycholesterol-d6

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700078P-1mg

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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	5160PGD010
Avanti Lot Number	700078P-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] ⁺ = 442.70 amu

Approved by:

