

4 β -hydroxycholesterol-d7

cholest-5-ene-3,4-diol-d7

700042P-1mg

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Molecular Weight	409.696
Chemical Formula	C ₂₇ H ₃₉ O ₂ D ₇
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5126PGF014
Avanti Lot Number	700042P-1MG-F-014

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains 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
HPLC-ELSD	NLT 99% (AUC)	99.7% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H-H ₂ O] ⁺ = 392.696 ± 1 amu	[M+H-H ₂ O] ⁺ = 392.4 amu

Approved by:



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