

7 α -hydroxycholesterol-d7

 cholest-5-en-3 β ,7 α -diol-d7

700043P-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	5127PGC012
Avanti Lot Number	700043P-1MG-C-012

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)	99.9% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H-H ₂ O] ⁺ = 392.696 \pm 1 amu	[M+H-H ₂ O] ⁺ = 392.5 amu

 Approved by: *Anderson Thomas*

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