

27-hydroxycholesterol-d6

 25,26,26,26,27,27-hexadeuterocholest-5-ene-3 β ,27-diol

700059P-1mg

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Molecular Weight	408.690
Chemical Formula	C ₂₇ H ₄₀ D ₆ O ₂
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5141PGD011
Avanti Lot Number	700059P-1MG-D-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (1:1 Hexane: Ethyl Acetate)	>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+NH ₄] ⁺ = 426.69 ± 1 amu	[M+NH ₄] ⁺ = 426.7 amu

Approved By:



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