

25-hydroxycholesterol-d6

 cholest-5-ene-3 β ,25-diol-d6

700053P-1mg

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Molecular Weight	408.69
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	5135PGC010
Avanti Lot Number	700053P-1MG-C-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (2:1 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)	100% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+NH ₄] ⁺ = 426.69 \pm 1 amu	[M+NH ₄] ⁺ = 426.5 amu

Approved By:



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