

Cholic acid-d4

5 β -cholan-3 α ,7 α ,12 α -triol (2,2,4,4-d4)

330256P-5MG

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Molecular Weight	412.60
Chemical Formula	C ₂₄ H ₃₆ D ₄ O ₅
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6902PHC010
Avanti Lot Number	330256P-5MG-C-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (85:15 Chloroform: Methanol)	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Carbon NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-H] ⁻ = 411.60 \pm 1 amu	[M-H] ⁻ = 411.6 amu
Isotopic Purity by Mass Spec	Run and Report	99.5% No d5 detected

Approved By:



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