

cholestanol-d5

 2,2,3,4,4-pentadeuterio-5 α -cholestan-3 β -ol

700094P-1mg

Page 1 of 1

Molecular Weight	393.7
Chemical Formula	C ₂₇ H ₄₃ D ₅ O
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5175PGA010
Avanti Lot Number	700094P-1MG-A-010

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	Powder: White solid which contains no foreign matter.	Pass
TLC	>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	Pass
Mass Spectroscopy	[M+H] ⁺ = 394.637 \pm 1 amu or [M+NH ₄] ⁺ = 411.637 \pm 1 amu	[M+NH ₄] ⁺ = 411.8 amu

Approved by:

