

desmosterol-d6
 cholesta-5,24-dien-3 β -ol-d6
 700040P-1mg

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Molecular Weight 390.675
Chemical Formula C₂₇H₃₈OD₆
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 5124PGK014
Avanti Lot Number 700040P-1MG-K-014

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	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot
HPLC-ELSD	NLT 99% (AUC)	99.5% (AUC)
Proton NMR	NMR spectrum consistent with reference structure	Consistent with structure
Mass Spectroscopy	[M+H-H ₂ O] ⁺ = 373.675 $\pm$ 1 amu [M+NH ₄] ⁺ = 408.675 $\pm$ 1 amu	[M+H-H ₂ O] ⁺ = 373.6 amu [M+NH ₄] ⁺ = 408.6 amu

Approved By:



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