

sitosterol-d7

(24-ethyl)-heptadeuteriostigmast-5-en-3 β -ol

700148P-1mg

Page 1 of 1

Molecular Weight	421.750
Chemical Formula	C ₂₉ H ₄₃ D ₇ O
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5212PGD011
Avanti Lot Number	700148P-1MG-D-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (8:2 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] ⁺ = 439.750 \pm 1 amu	[M+NH ₄] ⁺ = 439.6 amu

Approved By:



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