

desmosterol (D6) ester

 26,26,26,27,27,27-hexadeuteriocholesta-5,24-dien-3 β -ol (9Z-octadecenoate)

700184M-1mg
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Molecular Weight	655.121
Chemical Formula	C ₄₅ H ₇₀ D ₆ O ₂
Physical State	Methylene Chloride
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5226MGB010
Avanti Lot Number	700184M-1MG-B-010

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	Methylene chloride: Clear solution with no foreign matter.	Pass
TLC (95:5 Hexane: Ethyl Acetate)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H] ⁺ = 656.121 \pm 1amu, or [M+NH ₄] ⁺ = 673.121 \pm 1amu	[M+NH ₄] ⁺ = 673.1 amu

Approved by:

