

DOTMA

1,2-di-O-octadecenyl-3-trimethylammonium propane (chloride salt)

890898P-25mg

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Molecular Weight	670.575
Chemical Formula	C ₄₂ H ₈₄ ClNO ₂
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6364PJA036
Avanti Lot Number	890898P-25MG-A-036

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid with no foreign matter	Pass
TLC (8:2 Chloroform: Methanol)	>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
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-Cl] ⁺ = 635.575 ± 1 amu	[M-Cl] ⁺ = 634.8 amu

Approved By: *Anderson Thomas*

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