

DOTMA

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

890898P-200mg

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Molecular Weight 670.575
Chemical Formula C₄₂H₈₄ClNO₂
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 6364PNA035
Avanti Lot Number 890898P-200MG-A-035

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	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-Cl] ⁺ = 635.575 ± 1 amu	[M-Cl] ⁺ = 634.89 amu

Approved By:



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