

18:1 TAP (DOTAP)

1,2-dioleoyl-3-trimethylammonium-propane (chloride salt)

890890P-500mg

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Molecular Weight	698.542
Chemical Formula	C ₄₂ H ₈₀ NO ₄ Cl
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6361PPA177
Avanti Lot Number	890890P-500MG-A-177

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC	Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot Rf: consistent with structure	Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot Rf: consistent with structure
FAME (GC/FID)	NLT 99% 18:1 (AUC)	100% (AUC)
HPLC-ELSD	NLT 99% Purity NMT 1% Impurities Retention Time Matches Standard	100% Purity None Detected Matches Standard
Proton NMR	NMR spectrum consistent with reference structure	Consistent with structure
Mass Spectroscopy	[M-Cl] ⁻ = 663.112 ± 1 amu	[M-Cl] ⁻ = 662.8 amu

 Approved By: *Andriana Thomas*

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