

18:1 TAP (DOTAP)

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

890890-25mg

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Molecular Weight 698.542
Chemical Formula C₄₂H₈₀NO₄Cl
Physical State Chloroform
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 6361CJA173
Avanti Lot Number 890890C-25MG-A-173

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: Clear solution with no foreign matter	Pass
TLC	Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot Rf: consistent with structure	All Pass
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] ⁻ = 662.4 amu



Approved By:

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