

18:1 TAP (DOTAP)

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

890890P-500mg

Page 1 of 1

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	6361PPG180
Avanti Lot Number	890890P-500MG-G-180

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	All Pass
FAME (GC/FID)	NLT 99% 18:1 (AUC)	99.7% (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] ⁻ = 662.6 amu

Approved By:



For Research Use Only. Not For Human Use.