18:1 TAP (DOTAP)
1,2-dioleoyl-3-trimethylammonium-propane (chloride salt)

890890P-25mg

Molecular Weight 698.542
Chemical Formula C₄₂H₈₀NO₄Cl
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 6361PJB164
Avanti Lot Number 890890P-25MG-B-164

**ANALYSIS** | **SPECIFICATION** | **RESULTS**
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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) 100% 18:1 (AUC)
HPLC-ELSD NLT 99% Purity 100% (AUC)
Proton NMR NMR spectrum consistent with structure Consistent with structure
Mass Spectroscopy \([M-Cl]^- = 663.112 \pm 1 \text{ amu}\) \([M-Cl]^- = 662.7 \text{ amu}\)

Approved by: [Signature]