

18:1 TAP (DOTAP)

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

890890C-1g

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Molecular Weight	698.542
Chemical Formula	C ₄₂ H ₈₀ NO ₄ Cl
Physical State	Chloroform
Storage	-20 °C
Expiration Date	One year from date of receipt
M Lot Number	6361CQA163
Avanti Lot Number	890890C-1G-A-163

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter. Chloroform: Clear solution with 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 ± 1 amu	[M-Cl] ⁻ = 662.9 amu

Approved by:

