

**18:1 TAP (DOTAP)**

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

**890890P-1g**

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<b>Molecular Weight</b>	698.542
<b>Chemical Formula</b>	C <sub>42</sub> H <sub>80</sub> NO <sub>4</sub> Cl
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	6361PQC179
<b>Avanti Lot Number</b>	890890P-1G-C-179

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> 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% (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] <sup>-</sup> = 663.112 ± 1 amu	[M-Cl] <sup>-</sup> = 662.8 amu

 Approved By: *Anderson Thomas*

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