

## 18:1 TAP (DOTAP, MS Salt)

1,2-dioleoyl-3-trimethylammonium-propane (methyl sulfate salt)

890895P-200mg

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<b>Molecular Weight</b>	774.186
<b>Chemical Formula</b>	C <sub>43</sub> H <sub>83</sub> NO <sub>8</sub> S
<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>	6363PND023
<b>Avanti Lot Number</b>	890895P-200MG-D-023

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)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-MeS] <sup>+</sup> = 663.186 ± 1 amu	[M-MeS] <sup>+</sup> = 662.7 amu

Approved By:

*Meredith Baybutt*

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