

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

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

**890895C-25mg**

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<b>Molecular Weight</b>	774.186
<b>Chemical Formula</b>	C43H83NO8S
<b>Physical State</b>	Chloroform
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	6365CJA023
<b>Avanti Lot Number</b>	890895C-25MG-A-023

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Chloroform:</b> 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)	99.9% (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: *Anderson Thomas*

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