

18:1 TAP (DOTAP, MS Salt)

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

890895P-25mg

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Molecular Weight	774.186
Chemical Formula	C ₄₃ H ₈₃ NO ₈ S
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6363PJD023
Avanti Lot Number	890895P-25MG-D-023

ANALYSIS	SPECIFICATION	RESULTS
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)	99.9% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-MeS] ⁺ = 663.186 ± 1 amu	[M-MeS] ⁺ = 662.7 amu

Approved By: *Meredith Baybutt*

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