

18:1 TAP (DOTAP, MS Salt)

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

890895P-200mg**Page 1 of 1**

Molecular Weight 774.186
Chemical Formula C₄₃H₈₃NO₈S
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 6363PNE023
Avanti Lot Number 890895P-200MG-E-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)	100% (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: *Anderson Thomas*

For Research Use Only. Not For Human Use.