

18:1 DAP
1,2-dioleoyl-3-dimethylammonium-propane (DODAP)
890850O-200mg
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Molecular Weight	648.054
Chemical Formula	C ₄₁ H ₇₇ NO ₄
Physical State	Neat Oil
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6357OND055
Avanti Lot Number	890850O-200MG-D-055

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Neat Oil: Oil 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
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H] ⁺ = 649.054 ± 1 amu	[M+H] ⁺ = 649.0 amu
FAME (GC/FID)	NLT 99% 18:1 (AUC)	99.6% 18:1 (AUC)

 Approved By: *Andriana Thomas*

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