

**18:1 DAP**
**1,2-dioleoyl-3-dimethylammonium-propane (DODAP)**
**890850O-200mg**
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<b>Molecular Weight</b>	648.054
<b>Chemical Formula</b>	C <sub>41</sub> H <sub>77</sub> NO <sub>4</sub>
<b>Physical State</b>	Neat Oil
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	6357ONA055
<b>Avanti Lot Number</b>	890850O-200MG-A-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] <sup>+</sup> = 649.054 ± 1 amu	[M+H] <sup>+</sup> = 649.0 amu
FAME (GC/FID)	NLT 99% 18:1 (AUC)	99.6% 18:1 (AUC)

 Approved By: *Anderson Thomas*

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