

**DOTMA**

1,2-di-O-octadecenyl-3-trimethylammonium propane (chloride salt)

**890898P-200mg**

Page 1 of 1

<b>Molecular Weight</b>	670.575
<b>Chemical Formula</b>	C <sub>42</sub> H <sub>84</sub> ClNO <sub>2</sub>
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	6364PNC034
<b>Avanti Lot Number</b>	890898P-200MG-C-034

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC (8:2 Chloroform: Methanol)	>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-Cl] <sup>+</sup> = 635.575 ± 1 amu	[M-Cl] <sup>+</sup> = 636.0 amu

Approved By: *Melissa Liles*

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