

**DOTMA**

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

890898C-25mg

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**Molecular Weight** 670.575  
**Chemical Formula** C<sub>42</sub>H<sub>84</sub>ClNO<sub>2</sub>  
**Physical State** Chloroform  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 6364CJA036  
**Avanti Lot Number** 890898C-25MG-A-036

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Chloroform:</b> Clear solution with 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	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-Cl] <sup>+</sup> = 635.575 ± 1 amu	[M-Cl] <sup>+</sup> = 634.8 amu

Approved By: *Meredith Bayood*

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