

DOTMA

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

890898P-25mg

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| | |
|--------------------------|---|
| Molecular Weight | 670.575 |
| Chemical Formula | C ₄₂ H ₈₄ ClNO ₂ |
| Physical State | Powder |
| Storage | -20°C |
| Expiration Date | One year from date of receipt |
| M Lot Number | 6364PJB036 |
| Avanti Lot Number | 890898P-25MG-B-036 |

| ANALYSIS | SPECIFICATION | RESULTS |
|-----------------------------------|---|---|
| Physical Examination | Powder: White solid 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] ⁺ = 635.575 ± 1 amu | [M-Cl] ⁺ = 634.8 amu |

 Approved By: *Meredith Bayroot*

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