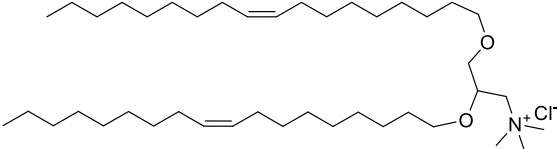




## Certificate of Analysis

<b>MedKoo Cat#:</b>	<b>Product Name:</b>	<b>Lot#:</b>
555960	DOTMA	A23T06K12

<b>Chemical name</b>	
N,N,N-trimethyl-2,3-bis(((Z)-octadec-9-en-1-yl)oxy)propan-1-aminium chloride	
<b>Synonyms</b>	
DOTMA; 1,2-di-O-octadecenyl-3-trimethylammonium propane	
<b>Chemical structure</b>	<b>CAS# and Theoretical analysis</b>
	MedKoo Cat#: 555960 Name: DOTMA CAS#: 104162-48-3 (Z-isomer chloride) Lot#: A23T06K12 Chemical Formula: C <sub>42</sub> H <sub>84</sub> ClNO <sub>2</sub> Molecular Weight: 670.59

<b>Analysis item</b>	<b>Specifications / Results</b>
<b>Appearance</b>	Waxy solid
<b>Structure</b>	<sup>1</sup> H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
<b>Purity (NMR)</b>	>98.0%
<b>Conclusion</b>	This product conforms with MedKoo's quality standards
<b>Shipping condition</b>	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
<b>Storage condition</b>	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
<b>Shelf life</b>	At least 3 years if properly stored.

**CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE**