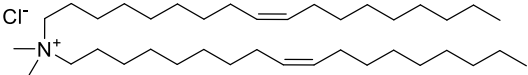




## Certificate of Analysis

<b>MedKoo Cat#:</b>	<b>Product Name:</b>	<b>Lot#:</b>
465240	DODAC	Y22X10M29

<b>Chemical name</b>	
(Z)-N,N-dimethyl-N-((Z)-octadec-9-en-1-yl)octadec-9-en-1-aminium chloride	
<b>Synonyms</b>	
DODAC; Adogen 472; Arquad 20-75I; Cation 2OLR; Dimethyldioleylammonium chloride; Dioleyldimethylammonium chloride; Lipoquad 20-75I; N,N-Dioleyl-N,N-dimethylammonium chloride; Nissan Cation 2OLR; Soft and Dry	
<b>Chemical structure</b>	<b>CAS# and Theoretical analysis</b>
	MedKoo Cat#: 465240 Name: DODAC CAS#: 7212-69-3 (chloride) Lot#: Y22X10M29 Chemical Formula: C <sub>38</sub> H <sub>76</sub> ClN Molecular Weight: 582.48

<b>Analysis item</b>	<b>Specifications / Results</b>
<b>Appearance</b>	Light yellow to yellow viscous liquid
<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</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**