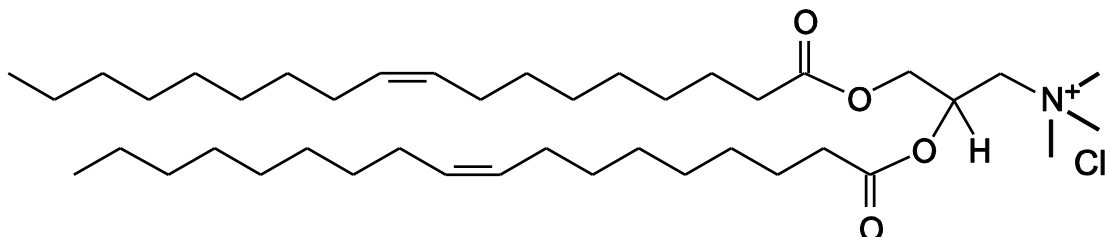


## Research Certificate of Analysis

18:1 TAP (DOTAP)  
1,2-dioleoyl-3-trimethylammonium-propane (chloride salt)

Molecular Weight: 698.542  
Molecular Formula: C<sub>42</sub>H<sub>80</sub>NO<sub>4</sub>Cl  
Storage: -20°C  
Shelf Life (Unopened): 6 Months  
Physical Form: Chloroform  
Lot Number: 181TAP-156



## Product Specifications

Test	Limits	Results
GC-FAME (AUC)	Run and Report	100%
TLC Analysis	>99%	>99%
Ninhydrin	Negative	Negative
Iodine	One Spot	One Spot
Phosphorus	Negative	Negative
Char	Positive	Positive

**Signed:** Electronically Signed By QC  
**Release Date:** August 1, 2014