Certificate of Analysis

DOTAP (chloride)

Cat. No.: HY-112754A CAS No .: 132172-61-3 Batch No.: 205250

Chemical Name: 1-Propanaminium, N,N,N-trimethyl-2,3-bis[[(9Z)-1-oxo-9-octadecenyl]oxy]-, chloride (1:1)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₄₂H₈₀ClNO₄ Molecular Weight: 698.54

Storage: -20°C, protect from light, stored under nitrogen

* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)

Sealed Vial Packaging:

*Once the package is opened, use it immediately or pack it into multiple vials with sealing film.

Chemical Structure:

ANALYTICAL DATA

White to off-white (<35°C Solid,>38°C Liquid) Appearance:

¹H NMR Spectrum: Consistent with structure

Purity (NMR): ≥98.0%

Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA