

1. Identification

Catalogue Number

S686575

Lot Number

13-KAN-169-2

Product Name

2-Stearoyl-sn-glycero-3-phosphocholine

Synonyms

4-Hydroxy-7-(hydroxymethyl)-N,N,N-trimethyl-9-oxo-3,5,8-trioxa-4-phosphahexacosan-1-aminium 4-Oxide Inner Salt; (7R)-4-Hydroxy-7-(hydroxymethyl)-N,N,N-trimethyl-9-oxo-3,5,8-trioxa-4-phosphahexacosan-1-aminium Inner Salt 4-Oxide; L-(8Cl) 1-Ester with 2-Monostearin Inner Salt Dihydrogen Phosphate Hydroxide Choline; (R)-4-Oxide Inner Salt 4-Hydroxy-7-(hydroxymethyl)-N,N,

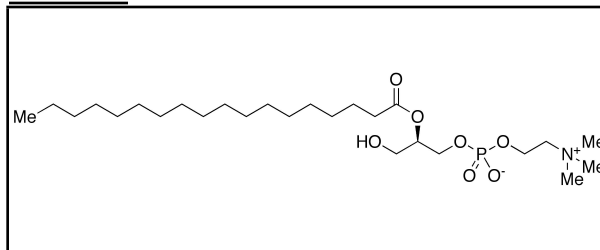
CAS Number

4421-58-3

Solubility

Chloroform (Slightly), Methanol (Slightly)

Structure



Molecular Formula

C₂₆H₅₄NO₇P

Source of Product

Synthetic

Long Term Storage Conditions

-86°C, Hygroscopic

Molecular Weight

523.68

Purity

>95%

Shipping Condition

This Product Is Stable To Be Shipped With Dry Ice

2. Warnings

Hygroscopic, Temperature Sensitive

3. Analytical Information

Tests

Appearance

Specifications

White to Light Yellow Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

P NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 56.48, %H: 10.41, %N: 2.51

HPLC Purity

>95%

97.85% (ELSD)

MS

Conforms to Structure

Conforms

Specific Rotation

Report Result

+4.2° (c = 0.2, Methanol)

Additional Information

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed by

Nicole Yip
Product Quality Specialist

Reviewed by

Toni Rantanen
Manager, Quality Assurance

C of A Approved by

Sadaf Samadi
Quality Assurance Associate

Test Date

8/25/2025

Retest Date

8/23/2026