

DSPE-PEG2000

Cat. No. DPGZ-002

Lot. No. (See product label)

Introduction

Description

DSPE-PEG2000 is an amphiphilic conjugate composed of distearoyl phosphatidylethanolamine and a polyethylene glycol segment with an average molecular weight of 2,000 Da.

Applications

Suitable as a PEGylated phospholipid component in liposome, lipid nanoparticle, and other lipid-based carrier formulations.

Synonyms

PEG2000-DSPE; DSPE-PEG 2000

Product Information

Appearance

White to off-white solid or powder.

Form

Solid or powder

Chemical Name

1,2-Distearoyl-sn-glycero-3-phosphoethanolamine-polyethylene glycol 2000

Molecular Weight

PEG molecular weight: 2,000 Da

Purity

≥95%

Structure

DSPE-polyethylene glycol conjugate

Composition

DSPE; PEG2000

Function

Provides an amphiphilic PEG-lipid component for preparing and surface-modifying lipid-based delivery carriers.

Solubility

Soluble in selected organic solvents.

Storage and Shipping Information

Storage

-20°C, protected from light and moisture.

Stability

1 year

Shipping Conditions

Low-temperature shipping.