Creative Enzymes®

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.