[Toutes les photos \(2\)](#)

Documents

[↓ FDS](#)[🔍 COO/COA](#)[Plus de documents »](#)**850365P Avanti****18:0 PC (DSPC)**1,2-distearoyl-*sn*-glycero-3-phosphocholine, powder

Synonyme(s):

1,2-dioctadecanoyl-*sn*-glycero-3-phosphocholine; DSPC; PC(18:0/18:0)

Empirical Formula (Hill Notation):

C₄₄H₈₈NO₈P

Numéro CAS:

816-94-4

Poids moléculaire:

790.15

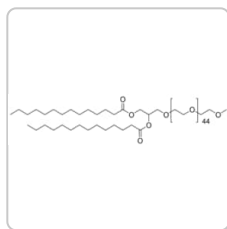
NACRES:

NA.25

Référence	Conditionnement	Disponibilité	Prix	Quantité
850365P-25MG	25 MG	✓ Only 2 left in stock (more on the way) Détails...	62,40 €	− + i
850365P-200MG	200 MG	✓ Only 5 left in stock (more on the way) Détails...	98,50 €	− + i
850365P-500MG	500 MG	✓ Only 2 left in stock (more on the way) Détails...	167,00 €	− + i
850365P-1G	1 G	✓ Only 3 left in stock (more on the way) Détails...	233,00 €	− + i

[Demander une commande en gros](#)[Ajouter au panier](#)

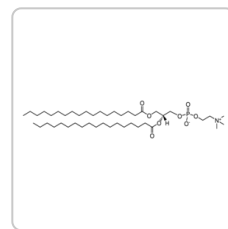
PRODUITS RECOMMANDÉS



Avanti

880151P**DMG-PEG 2000**

Avanti Polar Lipids, powder



Sigma-Aldrich

P1138**1,2-Distearoyl-*sn*-glycero-3-phosphocholine**

≥99%

[Consulter le prix et la disponibilité](#)[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Essai/Dosage >99% (TLC)

Forme powder

Conditionnement
pkg of 1 × 1 g (850365P-1G)
pkg of 1 × 200 mg (850365P-200MG)
pkg of 1 × 25 mg (850365P-25MG)
pkg of 1 × 500 mg (850365P-500MG)

manufacturer/tradename Avanti Polar Lipids 850365P

Expédié(e)s dans dry ice

Temp. de stockage	-20°C
SMILES string	<chem>[O-]P(OCC[N+](C)(C)C)(OC[C@]([H])(OC(CCCCCCCCCCCCCCCCCC)=O)COC(CCCCCCCCCCCCCCCCCC)=O)=O</chem>
InChI	1S/C44H88NO8P/c1-6-8-10-12-14-16-18-20-22-24-26-28-30-32-34-36-43(46)50-40-42(41-52-54(48,49)51-39-38-45(3,4)5)53-44(47)37-35-33-31-29-27-25-23-21-19-17-15-13-11-9-7-2/h42H,6-41H2,1-5H3/t42-/m1/s1
InChI key	NRJAVPSFFCBXDT-HUESYALOSA-N

Catégories apparentées

[Lipids for Therapeutics and Research](#)

DESCRIPTION

Description générale

1,2-distearoyl-*sn*-glycero-3-phosphocholine (DSPC) is a phospholipid with alkyl chain comprising 18 carbons. It has phosphatidylcholine head group and its structure is similar to 1,2-dipalmitoyl-*sn*-glycero-3-phosphatidylcholine (DPPC).

The list of Phosphatidylcholine products offered by Avanti is designed to provide compounds having a variety of physical properties. Products available include short chain (C3-C8 are water soluble and hygroscopic), saturated, multi-unsaturated and mixed acid PC's. All of the products are purified by HPLC, and special precautions are taken to protect the products for oxidation and hydrolysis.

Application

18:0 PC (DSPC) has been used:

- in the microbubble monolayer preparation for biomolecule delivery studies into protoplasts
- in the preparation of liposomes for immobilization studies
- in the generation of porphyrin-phospholipid (PoP) liposomes for irinotecan (IRT) and doxorubicin delivery

Actions biochimiques/physiologiques

1,2-distearoyl-*sn*-glycero-3-phosphocholine (DSPC) is used in combination with other members of phosphatidylcholine for the generation of mixed bilayer system. It is majorly used in conventional and stealth liposome preparation for drug delivery studies.

Conditionnement

20 mL Clear Glass Screw Cap Vial (850365P-1G)

20 mL Clear Glass Screw Cap Vial (850365P-500MG)

5 mL Amber Glass Screw Cap Vial (850365P-200MG)

5 mL Amber Glass Screw Cap Vial (850365P-25MG)

PRODUITS APPARENTÉS

Souvent Commandé Avec Ce Produit

C7017

Choline chloride, ≥99%

[View Pricing](#)

C3045

Cholesterol, powder, BioReagent, suitable for cell culture, ≥99%

[View Pricing](#)**C8667**

Cholesterol, Sigma Grade, ≥99%

[View Pricing](#)**10901393001**

Glycogen, from mussels

[View Pricing](#)**PHR1802**

Naloxone hydrochloride dihydrate, Pharmaceutical Secondary Standard; Certified Reference Material

[View Pricing](#)**700000P**

Cholesterol (ovine), cholesterol (ovine wool, 98%), powder

[View Pricing](#)**700001P**

DC-Cholesterol HCl, Avanti Polar Lipids 700001P, powder

[View Pricing](#)

840031P

08:0 PS, 1,2-dioctanoyl-*sn*-glycero-3-phospho-L-serine (sodium salt), powder

[View Pricing](#)**840034P**

16:0-18:1 PS (POPS), 1-palmitoyl-2-oleoyl-*sn*-glycero-3-phospho-L-serine (sodium salt), powder

[View Pricing](#)**840035P**

18:1 PS (DOPS), Avanti Polar Lipids

[View Pricing](#)**840445P**

14:0 PG, Avanti Polar Lipids

[View Pricing](#)**840455P**

16:0 PG, Avanti Polar Lipids

[View Pricing](#)**840457P**

16:0-18:1 PG, 1-palmitoyl-2-oleoyl-*sn*-glycero-3-phospho-(1'-*rac*-glycerol) (sodium salt), powder

[View Pricing](#)

840465P

18:0 PG, 1,2-distearoyl-*sn*-glycero-3-phospho-(1'-*rac*-glycerol) (sodium salt), powder

[View Pricing](#)**840475P**

18:1 (Δ^9 -Cis) PG, 1,2-dioleoyl-*sn*-glycero-3-phospho-(1'-*rac*-glycerol) (sodium salt), powder

[View Pricing](#)**850150P**

18:1 PI(3)P, 1,2-dioleoyl-*sn*-glycero-3-phospho-(1'-myo-inositol-3'-phosphate) (ammonium salt), powder

[View Pricing](#)**850335P**

12:0 PC (DLPC), 1,2-dilauroyl-*sn*-glycero-3-phosphocholine, powder

[View Pricing](#)**850345P**

14:0 PC (DMPC), 1,2-dimyristoyl-*sn*-glycero-3-phosphocholine, powder

[View Pricing](#)**850355P**

16:0 PC (DPPC), 1,2-dipalmitoyl-*sn*-glycero-3-phosphocholine, powder

[View Pricing](#)

850356P

4ME 16:0 PC, 1,2-diphytanoyl-*sn*-glycero-3-phosphocholine, powder

[View Pricing](#)**850375C**

18:1 (Δ^9 -Cis) PC (DOPC), 1,2-dioleoyl-*sn*-glycero-3-phosphocholine, chloroform

[View Pricing](#)**850375P**

18:1 (Δ^9 -Cis) PC (DOPC), 1,2-dioleoyl-*sn*-glycero-3-phosphocholine, powder

[View Pricing](#)**850457C**

16:0-18:1 PC, 1-palmitoyl-2-oleoyl-*sn*-glycero-3-phosphocholine, chloroform

[View Pricing](#)**850457P**

16:0-18:1 PC, 1-palmitoyl-2-oleoyl-*sn*-glycero-3-phosphocholine, powder

[View Pricing](#)**850467P**

18:0-18:1 PC, 1-stearoyl-2-oleoyl-*sn*-glycero-3-phosphocholine, powder

[View Pricing](#)

850705P

16:0 PE, 1,2-dipalmitoyl-*sn*-glycero-3-phosphoethanolamine, powder

[View Pricing](#)**850715P**

18:0 PE, 1,2-distearoyl-*sn*-glycero-3-phosphoethanolamine, powder

[View Pricing](#)**850725P**

18:1 (Δ^9 -Cis) PE (DOPE), 1,2-dioleoyl-*sn*-glycero-3-phosphoethanolamine, powder

[View Pricing](#)**850757C**

16:0-18:1 PE, 1-palmitoyl-2-oleoyl-*sn*-glycero-3-phosphoethanolamine, chloroform

[View Pricing](#)**850757P**

16:0-18:1 PE, 1-palmitoyl-2-oleoyl-*sn*-glycero-3-phosphoethanolamine, powder

[View Pricing](#)**855775P**

18:0 Lyso PC, 1-stearoyl-2-hydroxy-*sn*-glycero-3-phosphocholine, powder

[View Pricing](#)

870600P

PAzePC, Avanti Polar Lipids 870600P, powder

[View Pricing](#)**880135P**

DSPE-PEG(2000) Carboxylic Acid, Avanti Polar Lipids 880135P, powder

[View Pricing](#)**890890P**

18:1 TAP (DOTAP), Avanti Polar Lipids 890890P, powder

[View Pricing](#)**840051P**Egg PC, L- α -phosphatidylcholine (Egg, Chicken), powder[View Pricing](#)**840058P**Hydro Soy PC, L- α -phosphatidylcholine, hydrogenated (Soy), powder[View Pricing](#)**880120P**

18:0 PEG2000 PE, Avanti Polar Lipids 880120P, powder

[View Pricing](#)

880126P

DSPE-PEG(2000) Maleimide, Avanti Polar Lipids 880126P, powder

[View Pricing](#)**880128P**

DSPE-PEG(2000) Amine, Avanti Polar Lipids 880128P, powder

[View Pricing](#)**880150P**

14:0 PEG2000 PE, Avanti Polar Lipids 880150P, powder

[View Pricing](#)**880151P**

DMG-PEG 2000, Avanti Polar Lipids, powder

[View Pricing](#)**INFORMATIONS SUR LA SÉCURITÉ****Code de la classe de
stockage**

13 - Non Combustible Solids

WGK

WGK 3

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

DOCUMENTATION

Certificat d'analyse

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COA)

Rechercher

Certificat d'origine

Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)

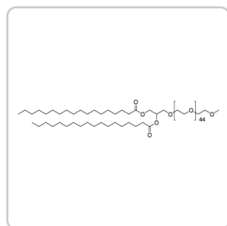
Rechercher

Plus De Documents

[Structure Search](#)

[FDS](#)

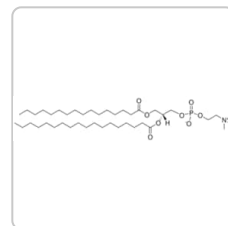
LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Avanti

880152P**DSG-PEG 2000**

Avanti Polar Lipids, powder

[Consulter le prix et la disponibilité](#)

Avanti

840058P**Hydro Soy PC**L- α -phosphatidylcholine, hydrogenated (Soy), powder[Consulter le prix et la disponibilité](#)

ARTICLES REVUS PAR DES PAIRS

Comparative study of PEGylated and conventional liposomes as carriers for shikonin

Tsermentseli S, et al.

Fluids, 3(2), 36-36 (2018)

Investigating the structure of multicomponent gel-phase lipid bilayers

Hartkamp R, et al.

Biophysical Journal, 111(4), 813-823 (2016)

A coarse-grained molecular dynamics study of DLPC, DMPC, DPPC, and DSPC mixtures in aqueous solution

Abedi K, et al.

Journal of Chemistry, 2013 (2013)

Interaction of polyphenols with model membranes: Putative implications to mouthfeel perception.

Ana Reis et al.

Biochimica et biophysica acta. Biomembranes, 1862(2), 183133-183133 (2019-12-01)

Food polyphenols in fruits juices, tea, coffee, wine and beer confer sensory properties such as colour, astringency and bitterness. The development of functional healthy drinks without the unpleasant sensory feeling is boosting research for a clearer understanding on the interactions

Development of High-Functionality and -Quality Lipids with RGD Peptide Ligands: Application for PEGylated Liposomes and Analysis of Intratumoral Distribution in a Murine Colon Cancer Model.

Tadaharu Suga et al.

Molecular pharmaceutics, 15(10), 4481-4490 (2018-09-05)

High-functionality and -quality (HFQ) lipids have a discrete molecular weight and good water dispersibility and can be produced by solid-phase peptide synthesis. Therefore, HFQ lipids are a promising material for the preparation of ligand-grafted PEGylated liposomes. Recently, we have reported

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PRODUITS CONSULTÉS RÉCEMMENT

Avanti
850365C
18:0 PC (DSPC)
1,2-distearoyl-*sn*-glycero-3-phosphocholine, chloroform

[Consulter le prix et la disponibilité](#)

Avanti
850360P
17:0 PC
1,2-diheptadecanoyl-*sn*-glycero-3-phosphocholine, powder

[Consulter le prix et la disponibilité](#)

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Notre équipe de scientifiques dispose d'une expérience dans tous les secteurs de la recherche, notamment en sciences de la vie,

science des matériaux, synthèse chimique, chromatographie, analyse et dans de nombreux autres domaines..

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