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850375C Avanti

18:1 (Δ9-Cis) PC (DOPC)

1,2-dioleoyl-*sn*-glycero-3-phosphocholine, chloroform

Synonyme(s):

1,2-di-(9Z-octadecenoyl)-*sn*-glycero-3-phosphocholine; DOPC; PC(18:1(9Z)/18:1(9Z))

Empirical Formula (Hill Notation):

C₄₄H₈₄NO₈P

Numéro CAS:

4235-95-4

Poids moléculaire:

786.11

NACRES:

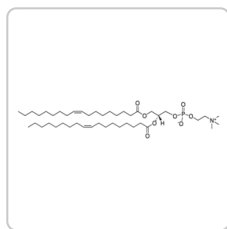
NA.25

Référence	Conditionnement	Disponibilité		Prix	Quantité
850375C-25MG	25 MG	 Only 2 left in stock (more on the way)	Détails...	71,00 €	- + 
850375C-200MG	200 MG	 Only 1 left in stock (more on the way)	Détails...	104,00 €	- + 
850375C-500MG	500 MG	 Date d'expédition estimée le 03 octobre 2022	Détails...	191,00 €	- + 
850375C-1G	1 G	 Date d'expédition estimée le 03 octobre 2022	Détails...	261,00 €	- + 

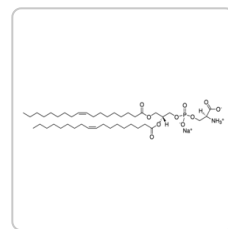
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PRODUITS RECOMMANDÉS



Avanti

850375P**18:1 (Δ^9 -Cis) PC (DOPC)**1,2-dioleoyl-*sn*-glycero-3-phosphocholine, powder[Consulter le prix et la disponibilité](#)

Avanti

840035C**18:1 PS (DOPS)**1,2-dioleoyl-*sn*-glycero-3-phospho-L-serine (sodium salt), chloroform[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Essai/Dosage >99% (TLC)

Forme liquid

Conditionnement
pkg of 1 × 2.5 mL (850375C-25mg)
pkg of 2 × 20 mL (850375C-1g)
pkg of 2 × 4 mL (850375C-200mg)
pkg of 5 × 4 mL (850375C-500mg)

manufacturer/tradename Avanti Polar Lipids 850375C

10 mg/mL (850375C-25mg)

Concentration	25 mg/mL (850375C-1g) 25 mg/mL (850375C-200mg) 25 mg/mL (850375C-500mg)
Expédié(e)s dans	dry ice
Temp. de stockage	-20°C
InChI	1S/C44H84NO8P/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/h20-23,42H,6-19,24-41H2,1-5H3/b22-20-,23-21-/t42-/m0/s1
InChI key	SNKAWJBJQDLSFF-AOMFJDG TSA-N

Catégories apparentées

[Lipids for Therapeutics and Research](#)

DESCRIPTION

Description générale

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

18:1 (Δ^9 -*Cis*) PC (DOPC) has been used in the preparation of planar supported lipid bilayer for fluorescence microscopy. It is also suitable for use in the preparation of protocells.

Actions biochimiques/physiologiques

18:1 (Δ^9 -*Cis*) PC (DOPC) shows high resistance to the toxic effects of dimethyl sulfoxide (DMSO).

Conditionnement

30 mL Amber Narrow Mouth Glass Bottle with Screw Cap (850375C-1g)

5 mL Clear Glass Sealed Ampule (850375C-200mg)

5 mL Clear Glass Sealed Ampule (850375C-25mg)

5 mL Clear Glass Sealed Ampule (850375C-500mg)

PRODUITS APPARENTÉS

Souvent Commandé Avec Ce Produit

C8667

Cholesterol, Sigma Grade, $\geq 99\%$

[View Pricing](#)

700000P

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

[View Pricing](#)

700015P

7-ketocholesterol, 3 β -hydroxy-5-cholestene-7-one, powder

[View Pricing](#)**710335C**

18:1 Cardiolipin, 1',3'-bis[1,2-dioleoyl-*sn*-glycero-3-phospho]-glycerol (sodium salt), chloroform

[View Pricing](#)**790404C**

18:1 DGS-NTA(Ni), 1,2-dioleoyl-*sn*-glycero-3-[(N-(5-amino-1-carboxypentyl)iminodiacetic acid)succinyl] (nickel salt), chloroform

[View Pricing](#)**810150C**

18:1 Liss Rhod PE, Avanti Polar Lipids 810150C

[View Pricing](#)**810255P**

TopFluor[®] Cholesterol, 23-(dipyrrometheneboron difluoride)-24-norcholesterol, powder

[View Pricing](#)**840033P**

14:0 PS, 1,2-dimyristoyl-*sn*-glycero-3-phospho-L-serine (sodium salt), powder

[View Pricing](#)

840034C

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

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

18:1 PS (DOPS), 1,2-dioleoyl-*sn*-glycero-3-phospho-L-serine (sodium salt), chloroform

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

18:1 PS (DOPS), Avanti Polar Lipids

[View Pricing](#)**840037P**

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

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

14:0 PG, Avanti Polar Lipids

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

16:0 PG, Avanti Polar Lipids

[View Pricing](#)

840457C

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

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

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

[View Pricing](#)**840875C**

18:1 PA, 1,2-dioleoyl-*sn*-glycero-3-phosphate (sodium salt), chloroform solution

[View Pricing](#)**850155P**

18:1 PI(4,5)P₂, 1,2-dioleoyl-*sn*-glycero-3-phospho-(1'-myo-inositol-4',5'-bisphosphate) (ammonium salt), powder

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

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

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

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

[View Pricing](#)

850355C

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

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

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

[View Pricing](#)**850356C**

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

[View Pricing](#)**850356P**

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

[View Pricing](#)**850358C**

16:1 (Δ^9 -Cis) PC, 1,2-dipalmitoleoyl-*sn*-glycero-3-phosphocholine, chloroform

[View Pricing](#)**850365C**

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

[View Pricing](#)

850365P

18:0 PC (DSPC), 1,2-distearoyl-*sn*-glycero-3-phosphocholine, powder

[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](#)**850705P**

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

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

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

[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](#)**860516P**

C16 Ceramide (d18:1/16:0), Avanti Polar Lipids 860516P, powder

[View Pricing](#)**860586P**

18:0 SM (d18:1/18:0), Avanti Polar Lipids 860586P, powder

[View Pricing](#)**870273C**

18:1 Biotinyl Cap PE, Avanti Polar Lipids 870273C

[View Pricing](#)**870277P**

16:0 Biotinyl Cap PE, Avanti Polar Lipids 870277P, powder

[View Pricing](#)

890890C

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

[View Pricing](#)**100500C**

E. coli Extract Total, Avanti Polar Lipids 100500C

[View Pricing](#)**100600C**

E. coli Extract Polar, Avanti Polar Lipids 100600C

[View Pricing](#)**840051C**

Egg PC, L- α -phosphatidylcholine (Egg, Chicken), chloroform

[View Pricing](#)**840051P**

Egg PC, L- α -phosphatidylcholine (Egg, Chicken), powder

[View Pricing](#)**860061C**

Egg SM, Sphingomyelin (Egg, Chicken), chloroform

[View Pricing](#)

860062C

Brain SM, Sphingomyelin (Brain, Porcine), chloroform

[View Pricing](#)**880120C**

18:0 PEG2000 PE, Avanti Polar Lipids 880120C

[View Pricing](#)**880120P**

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

[View Pricing](#)**880129C**

DSPE-PEG(2000) Biotin, Avanti Polar Lipids 880129C

[View Pricing](#)**880130C**

18:1 PEG2000 PE, Avanti Polar Lipids 880130C

[View Pricing](#)**610014**

Filter Support, Avanti Polar Lipids 610014

[View Pricing](#)

INFORMATIONS SUR LA SÉCURITÉ

Pictograms



GHS06,GHS08

Mention d'avertissement

Danger

Mentions de danger

H302 - H315 - H319 - H331 -
H336 - H351 - H361d - H372 -
H412

Conseils de prudence

P201 - P273 - P301 + P312 +
P330 - P302 + P352 - P304 +
P340 + P311 - P308 + P313

Classification des risques

Acute Tox. 3 Inhalation -
Acute Tox. 4 Oral - Aquatic
Chronic 3 - Carc. 2 - Eye Irrit.
2 - Repr. 2 - Skin Irrit. 2 -
STOT RE 1 - STOT SE 3

Organes cibles

Central nervous system

Code de la classe de stockage

6.1C - Combustible, acute
toxic Cat.3 / toxic compounds
or compounds which causing
chronic effects

WGK

WGK 3

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

LISTES RÉGLEMENTAIRES

Les listes réglementaires sont principalement fournies pour les produits chimiques. Seules des informations limitées peuvent être fournies ici pour les produits non chimiques. L'absence d'indication signifie qu'aucun des composants n'est répertorié. Il incombe à l'utilisateur de s'assurer de l'utilisation sûre et légale du produit.

Liste des restrictions (Annexe XXII du Règlement REACH de l'UE)

CAS No. **67-66-3**

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)

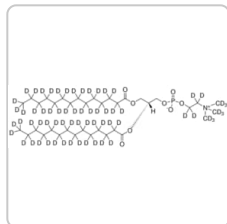
Rechercher

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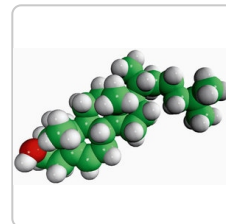
LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Avanti

860348P**14:0 PC-d67**

Avanti Polar Lipids 860348P, powder

[Consulter le prix et la disponibilité](#)

Avanti

700000P**Cholesterol (ovine)**

cholesterol (ovine wool, 98%), powder

[Consulter le prix et la disponibilité](#)

ARTICLES REVUS PAR DES PAIRS

Mesoporous silica-supported lipid bilayers (protocells) for DNA cargo delivery to the spinal cord

Dengler EC, et al.*Journal of Controlled Release : Official Journal of the Controlled Release Society, 168(2), 209-224 (2013)*

Molecular dynamics simulations of the interactions of DMSO with DPPC and DOPC phospholipid membranes

Hughes ZE, et al.*The Journal of Physical Chemistry B, 116(39), 11911-11923 (2012)*

K-Ras4B remains monomeric on membranes over a wide range of surface densities and lipid compositions

Chung JK, et al.*Biophysical Journal, 114(1), 137-145 (2018)*

Membrane lipid composition regulates tubulin interaction with mitochondrial voltage-dependent anion channel.

Tatiana K Rostovtseva et al.*The Journal of biological chemistry, 287(35), 29589-29598 (2012-07-06)*

Elucidating molecular mechanisms by which lipids regulate protein function within biological membranes is critical for understanding the many cellular processes. Recently, we have found that dimeric $\alpha\beta$ -tubulin, a subunit of microtubules, regulates mitochondrial respiration by blocking the voltage-dependent anion channel

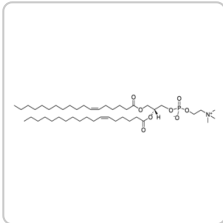
Tension-Induced Translocation of an Ultrashort Carbon Nanotube through a Phospholipid Bilayer.

Yachong Guo et al.
ACS nano (2018-11-20)

Increasing awareness of bioeffects and toxicity of nanomaterials interacting with cells puts in focus the mechanisms by which nanomaterials can cross lipid membranes. Apart from well-discussed energy-dependent endocytosis for large objects and passive diffusion through membranes by solute molecules, other

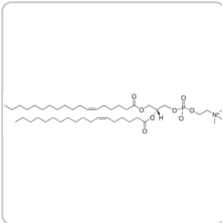
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PRODUITS CONSULTÉS RÉCEMMENT



Avanti
850374P
18:1 (Δ6-Cis) PC
1,2-dipetroselenoyl-*sn*-glycero-3-phosphocholine,
powder

[Consulter le prix et la disponibilité](#)



Avanti
850374C
18:1 (Δ6-Cis) PC
1,2-dipetroselenoyl-*sn*-glycero-3-phosphocholine,
chloroform

[Consulter le prix et la disponibilité](#)

SERVICE TECHNIQUE

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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