[Toutes les photos \(1\)](#)

Documents

[↓ FDS](#)[🔍 COO/COA](#)[Plus de documents »](#)**860517P Avanti****C17 Ceramide (d18:1/17:0)**

Avanti Polar Lipids 860517P, powder

Synonyme(s):

N-heptadecanoyl-D-erythro-sphingosine

Empirical Formula (Hill Notation):

C₃₅H₆₉NO₃

Numéro CAS:

67492-16-4

Poids moléculaire:

551.93

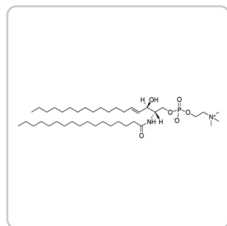
NACRES:

NA.25

Référence	Conditionnement	Disponibilité	Prix	Quantité
860517P-5MG	5 MG	✓ Only 3 left in stock (more on the way) Détails...	97,00 €	- +
860517P-10MG	10 MG	✓ Only 2 left in stock (more on the way) Détails...	185,00 €	- +
860517P-25MG	25 MG	✓ Only 3 left in stock (more on the way) Détails...	382,00 €	- +

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

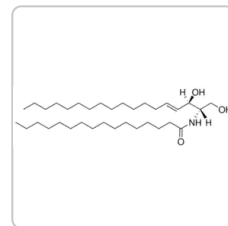
PRODUITS RECOMMANDÉS



Avanti

860585P**17:0 SM (d18:1/17:0)**

Avanti Polar Lipids 860585P, powder

[Consulter le prix et la disponibilité](#)


Avanti

860516P**C16 Ceramide (d18:1/16:0)**

Avanti Polar Lipids 860516P, powder

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Forme powder

Conditionnement
 pkg of 1 × 10 mg (860517P-10mg)
 pkg of 1 × 25 mg (860517P-25mg)
 pkg of 1 × 5 mg (860517P-5mg)

manufacturer/tradename Avanti Polar Lipids 860517P

Expédié(e)s dans dry ice

Temp. de stockage -20°C

SMILES string OC[C@]([H])(NC(CCCCCCCCCCCCCCCC)=O)[C@]([H])(O)/C=C/CCCCCCCCCCCCC

Catégories apparentées

Lipids for Therapeutics and Research

DESCRIPTION

Description générale

Ceramide synthesis is mediated either by the salvage pathway by the acylation of sphingosine or sphingolipids hydrolysis or by *de novo* pathway via dihydroceramide formation. Structurally, ceramides have a sphingoid base, a long-chain amino alcohol linked to fatty acid by an amide bond.

Application

C17 Ceramide (d18:1/17:0) has been used:

- as an internal standard for myocardial ceramide quantification using chromatography with negative ion electrospray ionization coupled to tandem mass spectrometry
- as an internal standard in tandem mass spectrometry (MS/MS)
- as a substrate for sphingomyelin synthase 2 enzyme

Actions biochimiques/physiologiques

Ceramides play a key role in regulating various cellular processes like senescence and apoptosis. They are directly involved in the proliferation and differentiation of skin cells and regulate skin barrier functionality. Ceramide based analogs are potential anti-tumor agents and are regarded as tumor suppressor lipid.

Conditionnement

5 mL Amber Glass Screw Cap Vial (860517P-10mg)

5 mL Amber Glass Screw Cap Vial (860517P-25mg)

5 mL Amber Glass Screw Cap Vial (860517P-5mg)

PRODUITS APPARENTÉS

Souvent Commandé Avec Ce Produit

830456P

17:0 PG, 1,2-diheptadecanoyl-*sn*-glycero-3-phospho-(1'-*rac*-glycerol) (sodium salt), powder

[View Pricing](#)

830756P

17:0 PE, 1,2-diheptadecanoyl-*sn*-glycero-3-phosphoethanolamine, powder

[View Pricing](#)

830856P

17:0 PA, 1,2-diheptadecanoyl-*sn*-glycero-3-phosphate (sodium salt), powder

[View Pricing](#)

840028P

17:0 PS, 1,2-diheptadecanoyl-*sn*-glycero-3-phospho-L-serine (sodium salt), powder

[View Pricing](#)

850355P

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

[View Pricing](#)**850360P**

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

[View Pricing](#)**855676P**

17:0 Lyso PC, 1-heptadecanoyl-2-hydroxy-*sn*-glycero-3-phosphocholine, powder

[View Pricing](#)**860490P**

Sphingosine (d18:1), Avanti Polar Lipids 860490P, powder

[View Pricing](#)**860516P**

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

[View Pricing](#)**860518P**

C18 Ceramide (d18:1/18:0), Avanti Polar Lipids 860518P, powder

[View Pricing](#)

860524P

C24 Ceramide (d18:1/24:0), Avanti Polar Lipids 860524P, powder

[View Pricing](#)**860525P**

C24:1 Ceramide (d18:1/24:1(15Z)), Avanti Polar Lipids 860525P, powder

[View Pricing](#)**860569P**

C17 Glucosyl(β) Ceramide (d18:1/17:0), Avanti Polar Lipids 860569P, powder

[View Pricing](#)**860583P**

12:0 SM (d18:1/12:0), Avanti Polar Lipids 860583P, powder

[View Pricing](#)**860585P**

17:0 SM (d18:1/17:0), Avanti Polar Lipids 860585P, powder

[View Pricing](#)**860595P**

C17 Lactosyl(β) Ceramide (d18:1/17:0), Avanti Polar Lipids 860595P, powder

[View Pricing](#)

860624P

C18:1 Dihydroceramide (d18:0/18:1(9Z)), Avanti Polar Lipids 860624P, powder

[View Pricing](#)**860640P**

Sphingosine (d17:1), Avanti Polar Lipids 860640P, powder

[View Pricing](#)**860903P**

17:0-17:1-17:0 D5 TG, Avanti Polar Lipids 860903P, powder

[View Pricing](#)**LM1000**

12:0-13:0 PC, Avanti Polar Lipids LM1000, methanol solution

[View Pricing](#)**LM1504**

17:0-14:1 PI, Avanti Polar Lipids LM1504, methanol solution

[View Pricing](#)**LM4100**

cholesterol (D7), Avanti Polar Lipids LM4100, methanol solution

[View Pricing](#)

856707C17:1 Lyso PE, 1-(10Z-heptadecenoyl)-*sn*-glycero-3-phosphoethanolamine, chloroform[View Pricing](#)

INFORMATIONS SUR LA SÉCURITÉ

**Code de la classe de
stockage**

13 - Non Combustible Solids

WGK

WGK 3

DOCUMENTATION

Certificat d'analyse

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

Numéro de lot

e.g. 023J5431

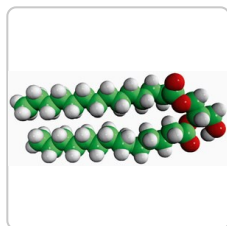
Comment saisir un numéro de lot (COA)**Rechercher**

Certificat d'origine

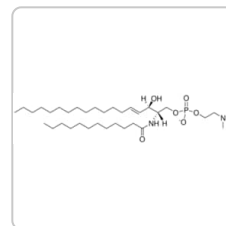
Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)**Rechercher****Plus De Documents**[Structure Search](#)[FDS](#)**LES CLIENTS ONT ÉGALEMENT CONSULTÉ**

Avanti

800814P**14:0 DG**1,2-dimyristoyl-*sn*-glycerol, powder[Consulter le prix et la disponibilité](#)

Avanti

LM2312**Sphingomyelin (d18:1/12:0)**

Avanti Polar Lipids LM2312, ethanol solution

[Consulter le prix et la disponibilité](#)**ARTICLES REVUS PAR DES PAIRS**

Hepatic triglyceride accumulation via endoplasmic reticulum stress-induced SREBP-1 activation is regulated by ceramide synthases.

Ye-Ryung Kim et al.*Experimental & molecular medicine, 51(11), 129-129 (2019-11-05)*

The endoplasmic reticulum (ER) is not only important for protein synthesis and folding but is also crucial for lipid synthesis and metabolism. In the current study, we demonstrate an important role of ceramide synthases (CerS) in ER stress and NAFLD

SDR9C7 catalyzes critical dehydrogenation of acylceramides for skin barrier formation.

Takuya Takeichi et al.*The Journal of clinical investigation, 130(2), 890-903 (2019-11-02)*

The corneocyte lipid envelope, composed of covalently bound ceramides and fatty acids, is important to the integrity of the permeability barrier in the stratum corneum, and its absence is a prime structural defect in various skin diseases associated with defective

Insulin resistance, ceramide accumulation, and endoplasmic reticulum stress in human chronic alcohol-related liver disease

Longato L, et al.*Oxidative Medicine and Cellular Longevity, 2012 (2012)*

Long-term high-fat diet-induced obesity decreases the cardiac leptin receptor without apparent lipotoxicity.

André F Nascimento et al.*Life sciences, 88(23-24), 1031-1038 (2011-04-05)*

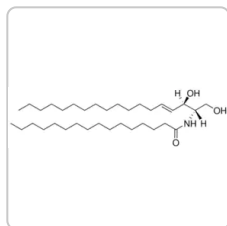
Leptin resistance has been associated with cardiac lipotoxicity; however, whether leptin resistance is a risk factor associated with cardiac lipotoxicity at different time points in diet-induced obesity is unclear. The objective of this study was to evaluate this relationship. Male

Prosaposin deficiency and saposin B deficiency (activator-deficient metachromatic leukodystrophy): report on two patients detected by analysis of urinary sphingolipids and carrying novel PSAP gene mutations

Kuchar L, et al.*American Journal of Medical Genetics. Part A, 149(4), 613-621 (2009)*

[Afficher tous les articles scientifiques apparentés](#)

PRODUITS CONSULTÉS RÉCEMMENT



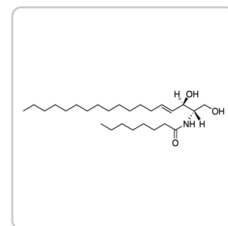
Avanti

860516P

C16 Ceramide (d18:1/16:0)

Avanti Polar Lipids 860516P, powder

[Consulter le prix et la disponibilité](#)



Avanti

860508P

C8 Ceramide (d18:1/8:0)

Avanti Polar Lipids 860508P, powder

[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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