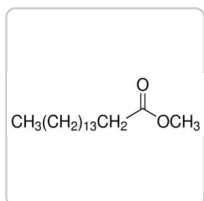


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Documents



FDS



COO/COA

Fiche des
caractéristiques

Plus de
documents »

P5177 ▶ **Sigma-Aldrich.**

Methyl palmitate

★★★★★ (0)

≥99% (capillary GC)

Synonyme(s):

n-Hexadecanoic acid methyl ester, Methyl hexadecanoate, Palmitic acid methyl ester

Formule linéaire:

 $\text{CH}_3(\text{CH}_2)_{14}\text{CO}_2\text{CH}_3$

 Numéro CAS: **112-39-0**

Poids moléculaire: 270.45

Beilstein: 1780973

 Numéro EC: **203-966-3**

 Numéro MDL: **MFCD00008994**

 ID de substance PubChem: **24898607**

NACRES: NA.25

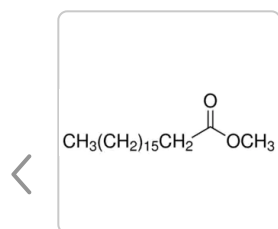
Référence	Conditionnement	Disponibilité	Prix	Quantité
P5177-1G	1 G	Disponible pour expédition le 10 octobre 2022 Détails...	35,50 €	– +
P5177-5G	5 G	Disponible pour expédition le 10 octobre 2022 Détails...	107,00 €	– +
P5177-25G	25 G	Date d'expédition estimée le 03 novembre 2022 Détails...	385,00 €	– +

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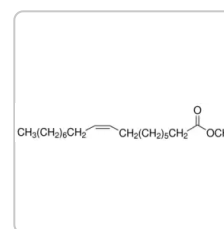
PRODUITS RECOMMANDÉS



Sigma-Aldrich

S5376**Methyl stearate**

~99% (GC)

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

311111**Methyl oleate**

99%

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Source biologique plant (palm)

Niveau de qualité 100

Essai/Dosage ≥99% (capillary GC)

Forme solid

Indice de réfraction $n_{20/D}$ 1.4512 (lit.)

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Densité	0.852 g/mL at 25 °C (lit.)
---------	----------------------------

Groupe fonctionnel	ester
--------------------	-------

Expédié(e)s dans	ambient
------------------	---------

Temp. de stockage	2-8°C
-------------------	-------

SMILES string	<chem>CCCCCCCCCCCCCCCC(=O)OC</chem>
---------------	-------------------------------------

InChI	1S/C17H34O2/c1-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17(18)19-2/h3-16H2,1-2H3
-------	--

InChI key	FLIACVVOZYBSBS-UHFFFAOYSA-N
-----------	-----------------------------

Gene Information	human ... CNR1(1268) , CNR2(1269) rat ... Faah(29347)
------------------	--

Vous recherchez des produits similaires ? Visit [Guide de comparaison des produits](#)

Catégories apparentées[Lipids for Therapeutics and Research](#)

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[GET YOURS HERE](#)**Description générale**

Methyl palmitate (PAME), a fatty acid ester of palmitic acid, is a muscurinic receptors antagonist. Methyl palmitate functions as a vasodilator and relaxes the arterioles in retina upon electrical depolarization. In the superior cervical ganglion, methyl palmitate modulates nicotinic receptor. Endogenous methyl palmitate modulates nicotinic receptor-mediated transmission in the superior cervical ganglion. PAME activates Kv7 channels and promotes perivascular adipose tissue.

Application

Methyl palmitate has been used to test impact of cerebral blood flow using laser doppler flowmetry (LDF) experiments and as a standard to determine retention indices (RIs) using gas chromatograph–mass spectrometer

Conditionnement

1, 5, 25 g in glass bottle

Actions biochimiques/physiologiques

Methyl palmitate has anti-inflammatory and anti-fibrotic effect. Methyl palmitate prevents bleomycin-induced lung inflammation and fibrosis in rats, by inhibiting NF- κ B. Methyl palmitate also prevents CCl4-induced liver fibrosis linked to reduced TGF- β .

PRODUITS APPARENTÉS**Produit Apparenté**

08168

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INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de stockage

11 - Combustible Solids

WGK

WGK 1

Flash Point(F)

235.4 °F - closed cup

Point d'éclair C

113.0 °C - closed cup

Équipement de protection individuelle

Eyeshields, Gloves, type N95 (US)

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**

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Numero de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)

Rechercher

Plus De Documents

[Pressure-Temperature Nomograph](#)

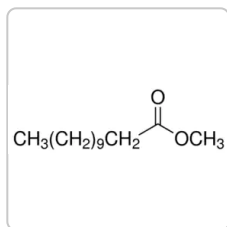
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[Spectra for FT-IR Raman](#)

[Structure Search](#)

[FDS](#)

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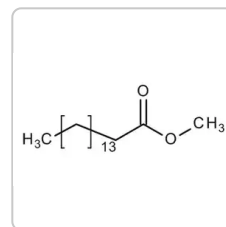
Sigma-Aldrich

234591

Methyl laurate

99.5%

Consulter le prix et la disponibilité



Sigma-Aldrich

8.43546

Methyl palmitate

for synthesis

Consulter le prix et la disponibilité



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Terminal double bonds in the alkenes and acetates of defensive secretion from the thrips *Suocerathrips linguis* Mound & Marullo, 1994 (Thysanoptera: Phlaeothripidae)

Gehlsen U, et al.

Chemoecology, 19(2), 97-102 (2009)

Palmitic acid methyl ester and its relation to control of tone of human visceral arteries and rat aortas by perivascular adipose tissue

Wang N, et al.

Frontiers in Physiology, 9 (2018)

Rapid transesterification of micro-amount of lipids from microalgae via a micro-mixer reactor.

Jiao Liu et al.

Biotechnology for biofuels, 8, 229-229 (2016-01-01)

Fatty acid composition is an important physiological parameter of microalgae, which is taken as the third generation alternative resource of biodiesel. To boost microalgal research and applications, a convenient, rapid, and acid-catalyzed transesterification procedure that satisfies the demand for the

Endogenous methyl palmitate modulates nicotinic receptor-mediated transmission in the superior cervical ganglion

Lin HW, et al.

Proceedings of the National Academy of Sciences of the USA, 1051(49), 19526-19531 (2008)

Palmitic acid methyl ester is a novel neuroprotective agent against cardiac arrest

Lee RHC, et al.

Prostaglandins, Leukotrienes, and Essential Fatty Acids (2018)

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Articles

GC Analysis of C2-C22 Free Fatty Acids on Nukol™

Separation of Methyl oleate; Caprylic acid; Heptanoic acid; Methyl decanoate; Methyl dodecanoate; Myristic acid; Methyl palmitate; Methyl palmitoleate; Methyl stearate; Methyl linoleate; Methyl linolenate; Acetic acid; Arachidic acid; Behenic acid; Propionic acid; Isobutyric acid; Valeric...

Protocoles

GC Analysis of FAMES in Rapeseed Oil on SUPELCOWAX® 10

Separation of Methyl erucate; Methyl palmitate; Methyl stearate; Methyl linolenate; Methyl eicosenoate; Methyl behenate; Methyl myristate; Methyl oleate; Methyl arachidate

GC Analysis of Bacterial Acid Methyl Esters (BAMEs) on Equity®-1

Protocol for GC Analysis of Bacterial Acid Methyl Esters (BAMEs) on Equity®-1

HPLC Analysis of Fatty Acid Methyl Esters (FAMES) on SUPELCOSIL LC-18

Separation of Methyl decanoate; Methyl dodecanoate; Methyl myristate; Methyl palmitate; Methyl caprylate; Methyl oleate; Methyl linoleate; Methyl linolenate; Methyl stearate

GC Analysis of a Grain Fatty Acid Methyl Ester (FAME) Mix on SP™-2560

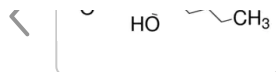
-11-eicosenoate; Methyl elaidate; Methyl linoleate; Methyl myristate; Methyl myristoleate; Methyl palmitate; Methyl palmitoleate; Methyl oleate; Methyl pentadecanoate; Methyl tridecanoate; Methyl behenate; Methyl caprylate; Methyl erucate; Methyl heptadecanoate; Methyl arachidate

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PRODUITS CONSULTÉS RÉCEMMENT

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cell culture, suitable for plant cell culture

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Évaluations

[Soyez le premier à donner votre avis sur ce produit](#)

Questions

[Soyez le premier à poser une question](#)

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