

Brighten up your lab coat!

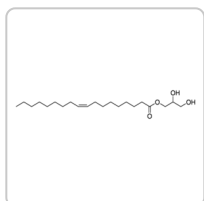
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Saisir le nom du produit, le numéro de lot, etc.



Toutes les
photos (5)

Documents



FDS



COO/COA



Fiche des
caractéristiques

Plus de
documents



M7765 ▶ **Sigma-Aldrich**

1-Oleoyl-*rac*-glycerol

★★★★★ (0)

≥99%

Synonyme(s):

MG(18:1(9Z)/0:0/0:0)[rac], 1-(*cis*-9-Octadecenoyl)-*rac*-glycerol, *rac*-Glycerol 1-monooleate, DL-α-Monoolein, Glyceryl *cis*-9-octadecenoate, Monoolein

Formule linéaire:

CH₃(CH₂)₇CH=CH(CH₂)₇COOCH₂CHOHCH₂OH

Numéro CAS: **111-03-5**

Poids moléculaire: 356.54

Beilstein: 1728976

Numéro EC: **203-827-7**

Numéro MDL: **MFCD00042735**

ID de substance PubChem: **24897178**

NACRES: NA.25

Référence	Conditionnement	Disponibilité	Prix	Quantité
M7765-25MG	25 MG	Only 3 left in stock (more on the way) Détails...	63,70 €	– +
M7765-50MG	50 MG	Only 1 left in stock (more on the way) Détails...	130,00 €	– +

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100MG

way)

M7765-1G

1 G

✓ Only 1 left in stock (more on the way)

[Détails...](#)

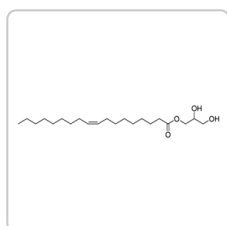
569,00 €

-

+

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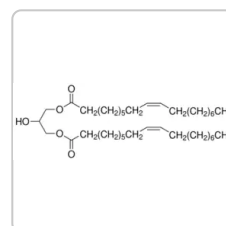
PRODUITS RECOMMANDÉS



Sigma-Aldrich

49960**1-Oleoyl-rac-glycerol**

technical, ~40% (TLC)

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

D3627**1,3-Diolein**

≥99% (GC)

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Source biologique

<https://www.sigmaaldrich.com/FR/fr/product/sigma/m7765>

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Description	non-ionic
Essai/Dosage	≥99%
Forme	powder
Pf	35 °C
Groupe fonctionnel	ester
Expédié(e)s dans	wet ice
Temp. de stockage	-20°C
SMILES string	<chem>O=C(CCCCCC/C=C\CCCCCCCC)OCC(O)CO</chem>
InChI	1S/C21H40O4/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-21(24)25-19-20(23)18-22/h9-10,20,22-23H,2-8,11-19H2,1H3/b10-9-
InChI key	RZRNAYUHWVFMIP-KTKRTIGZSA-N

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

Catégories apparentées

[Detergents - Anionic, Cationic, Zwitterionic, Anti-foaming](#)

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Description générale

1-Oleoyl-rac-glycerol is a monoglyceride, obtained from natural oils and fats. It contains two alcohol groups that are reactive. It is soluble in chloroform and hexane. It can be crystallized from hexane.

Application

1-Oleoyl-rac-glycerol has been used:

- to mix with the sample by two-syringe method, to achieve lipidic cubic phase in crystallization technique
- as a substrate for monoglyceride (MG) lipase assay
- in the preparation of MG solution for the measurement of *in vitro* MG hydrolase activity

Conditionnement

25, 50, 100 mg in poly bottle

1 g in poly bottle

Actions biochimiques/physiologiques

1-Oleoyl-rac-glycerol shows both inhibition and anti-inhibition action on the lipoprotein lipase mediated triglyceride hydrolysis.

Monoolein (1-Oleoyl-rac-glycerol) is used in the development of monoolein-based nanoparticulate liquid dispersions as possible vehicles for drug delivery.

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11 - Combustible Solids

WGK

WGK 1

Flash Point(F)

309.2 °F - closed cup

Point d'éclair C

154.0 °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

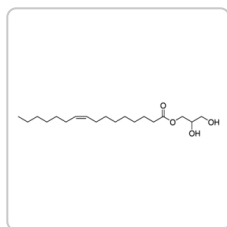
Comment saisir un numéro de lot (COA)**Rechercher****Certificat d'origine**

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

Numéro de lot

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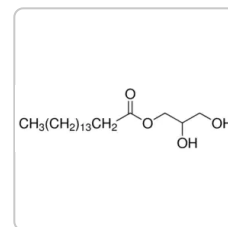
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[GET YOURS HERE](#)[Rechercher](#)**Fiche D'informations Produit**[Product Information Sheet - M7765](#)**Plus De Documents**[Structure Search](#)[FDS](#)**LES CLIENTS ONT ÉGALEMENT CONSULTÉ**

Avanti

850535O**9.7 MAG**

Avanti Polar Lipids 850535O

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Sigma-Aldrich

M1640**DL-α-Palmitin**

≥99%

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Assays of lipolytic enzymes

Adipose Tissue Protocols, 97-119 (2001)

Analysis of the structure, loading and activity of six antimicrobial peptides encapsulated in cubic phase lipid nanoparticles.

Thomas G Meikle et al.

Journal of colloid and interface science, 587, 90-100 (2020-12-29)

The growing global threat of antimicrobial resistance, combined with the slowed development of novel antibiotics, has resulted in a critical need for new antimicrobial therapies. Naturally occurring antimicrobial peptides (AMPs) can act as highly potent, broad-spectrum antibiotics which may be

Recent Advances in Environmentally Compatible Polymers: Cellucon?99 Proceedings, 205-205 (2001)

Crystal structures of a ZIP zinc transporter reveal a binuclear metal center in the transport pathway.

Tuo Zhang et al.

Science advances, 3(8), e1700344-e1700344 (2017-09-07)

Zrt/Irt-like proteins (ZIPs) play fundamental roles in metal metabolism/homeostasis and are broadly involved in numerous physiological and pathological processes. The lack of high-resolution structure of the ZIPs hinders understanding of the metal transport mechanism. We report two crystal structures of

Complex dendrimer-lyotropic liquid crystalline systems: structural behavior and interactions.

Liron Bitan-Cherbakovsky et al.

The journal of physical chemistry. B, 115(42), 11984-11992 (2011-09-10)

The incorporation of dendrimer into three lyotropic liquid crystalline (LLCs) mesophases is demonstrated for the first time. A second generation (G2) of poly(propylene imine) dendrimer (PPI) was solubilized into lamellar, diamond reverse cubic, and reverse hexagonal LLCs composed of glycerol

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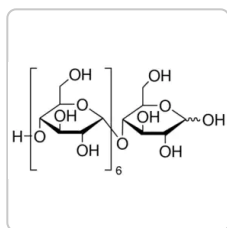
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PRODUITS CONSULTÉS RÉCEMMENT



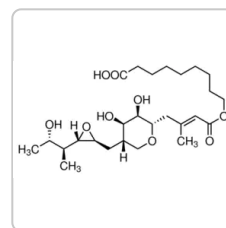
Sigma-Aldrich

M7753

Maltoheptaose

≥60% (HPLC)

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

M7694

Mupirocin

≥92% (HPLC), powder

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Évaluations



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Questions

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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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