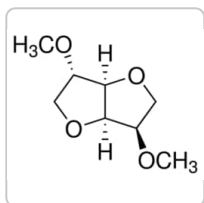


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Documents

↓ FDS

🔍 COO/COA

📄 Fiche des
caractéristiques

Plus de
documents »

247898 ▶ **Sigma-Aldrich.**

Isosorbide dimethyl ether

★★★★★ (0)

98%

Synonyme(s):

DMI, Dimethyl isosorbide, 1,4:3,6-Dianhydro-2,5-di-*O*-methyl-D-glucitol, 1,4:3,6-Dianhydrosorbitol 2,5-dimethyl ether, 2,5-Di-*O*-methyl-1,4:3,6-dianhydro-D-glucitol

Empirical Formula (Hill Notation):

C₈H₁₄O₄

Numéro CAS: **5306-85-4**

Poids moléculaire: 174.19

Beilstein: 80854

Numéro EC: **226-159-8**

Numéro MDL: **MFCD00064828**

ID de substance PubChem: **24854898**

NACRES: NA.22

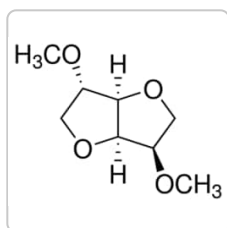
Référence	Conditionnement	Disponibilité	Prix	Quantité
247898-25G	25 G	Disponible pour expédition le 06 octobre 2022 Détails...	78,50 €	− +
247898-100G	100 G	Disponible pour expédition le 06 octobre 2022 Détails...	255,00 €	− +

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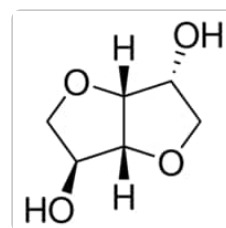
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PRODUITS RECOMMANDÉS



Sigma-Aldrich

906832**Dimethyl isosorbide**BioRenewable, *ReagentPlus*[®], ≥99%[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

329207**Dianhydro-D-glucitol**

98%

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Niveau de qualité	100
Essai/Dosage	98%
Forme	liquid
Activité optique	$[\alpha]_{21/D} +96.1^\circ$, c = 2 in chloroform
Indice de réfraction	$n_{20/D}$ 1.461 (lit.)

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SMILES string

CO[C@H]1COC2[C@@H](COC12)OC

InChI

1S/C8H14O4/c1-9-5-3-11-8-6(10-2)4-12-7(5)8/h5-8H,3-4H2,1-2H3/t5-,6+,7-,8-/m1/s1

InChI key

MEJYDZQQVZJMPP-ULAWRXDQSA-N

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

Catégories apparentées[Carbohydrates](#)

DESCRIPTION

Application

Isosorbide dimethyl ether (DMI), a sustainable solvent, is widely used in various cosmetic and pharmaceutical formulations. General applications:

- DMI can be used as an alternative green solvent for epoxidation of cyclooctene, Baylis–Hillman reaction of isomaltulose-derived aldehydes with α,β -unsaturated ketones and also in solid-phase synthesis.
- It can be used as a coalescent for water-borne paints, where it acts as a co-solvent during the water loss phase and as a coalescing agent during the film formation.

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INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de stockage

10 - Combustible liquids

WGK

WGK 1

Flash Point(F)

240.8 °F - closed cup

Point d'éclair C

116 °C - closed cup

Équipement de protection individuelle

Eyeshields, Gloves

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**

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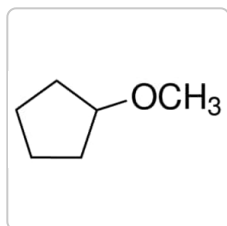
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e.g. 02555451

Comment saisir un numéro de lot (COO)

Rechercher

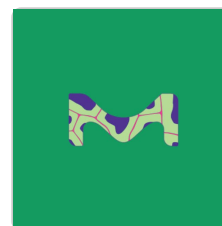
Plus De Documents[FT-IR Condensed Phase](#)[FT-NMR Spectra](#)[Pressure-Temperature Nomograph](#)[Spectra - ATR-IR](#)[Spectra for FT-IR Raman](#)[Structure Search](#)[FDS](#)**LES CLIENTS ONT ÉGALEMENT CONSULTÉ**

Sigma-Aldrich

791962

Cyclopentyl methyl ether

inhibitor-free, anhydrous, ≥99.9%



Supelco

PHR1486

Isosorbide Solution

Pharmaceutical Secondary Standard; Certified Reference Material

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ARTICLES REVUS PAR DES PAIRS

HMF derivatives as platform molecules: aqueous Baylis-Hillman reaction of glucosyloxymethyl-furfural towards new biobased acrylates.

Tan JN, et al.

Royal Society of Chemistry Advances, 3(39), 17649-17653 (2013)

Eco-friendly solvents and amphiphilic catalytic polyoxometalate nanoparticles: a winning combination for olefin epoxidation.

Mouret A, et al.

Green Chemistry, 16(1), 269-278 (2014)

Characterization and topical delivery of phenylethyl resorcinol.

Y Zhang et al.

International journal of cosmetic science, 41(5), 479-488 (2019-08-06)

Phenylethyl resorcinol (PR) has been used widely in the personal care industry as a novel skin lightening ingredient. Surprisingly, there is only limited information describing the physicochemical properties of this active. Therefore, the primary objective of this study was to

Investigation on the chemical stability of erythromycin in solutions using an optimization system.

M Brisaert et al.

Pharmacy world & science : PWS, 18(5), 182-186 (1996-10-01)

Erythromycin, an antibiotic commonly used topically in the treatment of acne, is unstable in solution. The stability is influenced by the pH and by the presence of water. The influence of the pH on the stability of erythromycin was investigated

Stability of benzoyl peroxide in aromatic ester-containing topical formulations.

Bola D Majekodunmi et al.

Pharmaceutical development and technology, 12(6), 609-620 (2007-12-29)

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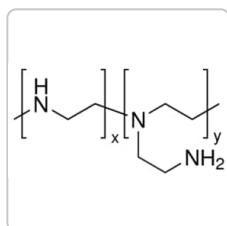


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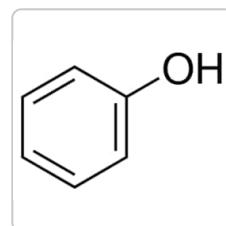


Sigma-Aldrich

246751

Polyethylenimine on silica gel
powder, 40-200 mesh

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

242322

Phenol

contains hypophosphorous as stabilizer, loose crystals,
ACS reagent, ≥99.0%

[Consulter le prix et la disponibilité](#)



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