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S7547 ▶ **Sigma-Aldrich.**

D-Sorbitol

★★★★★ (0)

BioXtra, ≥98%

Synonyme(s):

D-Glucitol

Empirical Formula (Hill Notation):

C₆H₁₄O₆

Numéro CAS: **50-70-4**

Poids moléculaire: 182.17

Beilstein: 1721899

Numéro EC: **200-061-5**

Numéro MDL: **MFCD00004708**

ID de substance PubChem: **24899755**

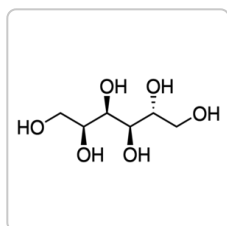
NACRES: NA.25

Référence	Conditionnement	Disponibilité	Prix	Quantité
S7547-250G	250 G	✓ Only 1 left in stock (more on the way) Détails...	38,80 €	− +
S7547-1KG	1 KG	✓ Date d'expédition estimée le 03 novembre 2022	117,00 €	− +

[Demander une commande en gros](#)

[Ajouter au panier](#)

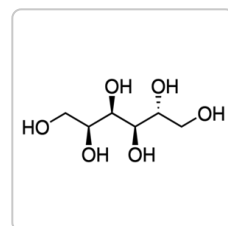
PRODUITS RECOMMANDÉS



Sigma-Aldrich

S1876**D-Sorbitol**

≥98%

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

240850**D-Sorbitol**

99%

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Densité de vapeur <1 (vs air)

Niveau de qualité 200

Pression de vapeur <0.1 mmHg (25 °C)

Gamme de produits BioXtra

Essai/Dosage ≥98%

Forme powder or chunks

Impuretés
<0.001% Phosphorus (P)
<0.1% Insoluble matter

Résidus de calcination	<0.1%
Pf	98-100 °C (lit.)
Solubilité	H ₂ O: 1 M, clear, colorless (room temperature)

Traces d'anions	chloride (Cl ⁻): <0.005% sulfate (SO ₄ ²⁻): <0.01%
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Traces de cations	Al: <0.0005% Ca: <0.0005% Cu: <0.0005% Fe: <0.0005% K: <0.005% Mg: <0.0005% NH ₄ ⁺ : <0.05% Na: <0.005% Pb: <0.001% Zn: <0.0005%
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SMILES string	<chem>OC[C@@H](O)[C@@H](O)[C@H](O)[C@@H](O)CO</chem>
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InChI	1S/C6H14O6/c7-1-3(9)5(11)6(12)4(10)2-8/h3-12H,1-2H2/t3-,4+,5-,6-/m1/s1
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InChI key	FBPFZTCFMRRESA-JGWLITMVSA-N
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Vous recherchez des produits similaires ? Visitez [Guide de comparaison des produits](#)

DESCRIPTION

Conditionnement

250 g in poly bottle

1 kg in poly bottle

Application

May be used for washing spheroplasts and in isoelectric focusing to minimize endoosmotic flow in agarose gels. May be used to induce osmotic stress.

Actions biochimiques/physiologiques

D-Sorbitol is a sugar alcohol that is commonly used as a sugar substitute. It occurs naturally and is also produced synthetically from glucose. The food industry uses D-sorbitol as an additive in the form of a sweetener, humectant, emulsifier, thickener, or dietary supplement. D-Sorbitol has also been found in cosmetics, paper, and pharmaceuticals. Naturally, D-sorbitol occurs widely in plants via photosynthesis, ranging from algae to higher order fruits of the family *Rosaceae*.

INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de stockage

11 - Combustible Solids

WGK

WGK 1

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

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

e.g. 023J5431

Comment saisir un numéro de lot (COO)

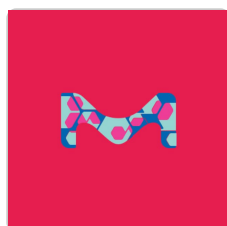
Rechercher

Plus De Documents

FT-NMR Spectra

[Spectra - ATR-IR](#)[Spectra for FT-IR Raman](#)[Structure Search](#)[FDS](#)

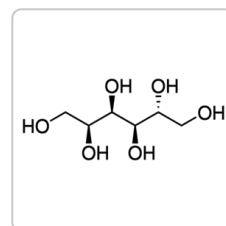
LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Sigma-Aldrich

126609**Albumin, Bovine Serum, Fraction V, Fatty Acid-Free, Nuclease- and Protease-Free**

BSA Fatty Acid-free is designed for use in serological testing, RIA, and hormone response studies. Suitable fo...

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USP

1617000**Sorbitol**

United States Pharmacopeia (USP) Reference Standard

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ARTICLES REVUS PAR DES PAIRS

Isoelectric focusing.

D E Garfin*Methods in enzymology*, 182, 459-477 (1990-01-01)

Electrocatalytic hydrogenation and deoxygenation of glucose on solid metal electrodes.

Youngkook Kwon et al.*ChemSusChem*, 6(3), 455-462 (2013-01-25)

This Full Paper addresses the electrocatalytic hydrogenation of glucose to sorbitol or 2-deoxysorbitol on solid metal electrodes in neutral media. Combining voltammetry and online product analysis with high-performance liquid chromatography (HPLC), provides both qualitative and quantitative information regarding the reaction

Tolrestat pharmacokinetic and pharmacodynamic effects on red blood cell sorbitol levels in normal volunteers and in patients with insulin-dependent diabetes.

JM van Griensven et al.

Clinical pharmacology and therapeutics, 58(6), 631-640 (1995-12-01)

To examine the effect of diabetes mellitus on the pharmacokinetics of tolrestat and to investigate its effect on red blood cell sorbitol levels according to a new pharmacodynamic model for this class of drugs. Single and multiple doses of tolrestat

The phosphoinositide PI(3,5)P₂ mediates activation of mammalian but not plant TPC proteins: functional expression of endolysosomal channels in yeast and plant cells.

Anna Boccaccio et al.

Cellular and molecular life sciences : CMLS, 71(21), 4275-4283 (2014-04-29)

Two-pore channel proteins (TPC) encode intracellular ion channels in both animals and plants. In mammalian cells, the two isoforms (TPC1 and TPC2) localize to the endo-lysosomal compartment, whereas the plant TPC1 protein is targeted to the membrane surrounding the large

Conversion of (ligno)cellulose feeds to isosorbide with heteropoly acids and Ru on carbon.

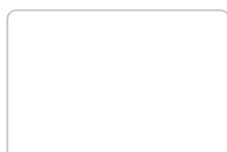
Beau Op de Beeck et al.

ChemSusChem, 6(1), 199-208 (2013-01-12)

The catalytic valorization of cellulose is currently subject of intense research. Isosorbide is among the most interesting products that can be formed from cellulose as it is a potential platform molecule and can be used for the synthesis of a

Afficher tous les articles scientifiques apparentés

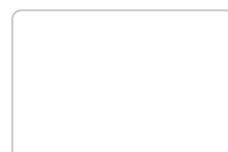
PRODUITS CONSULTÉS RÉCEMMENT



Sigma-Aldrich

S7571

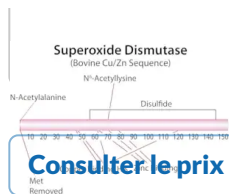
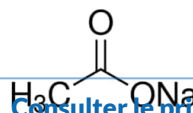
Superoxide Dismutase from bovine



Sigma-Aldrich

S7545

Sodium acetate

**erythrocytes**lyophilized powder, $\geq 3,000$ units/mg protein[Consulter le prix et la disponibilité](#)BioXtra, $\geq 99.0\%$ [Consulter le prix et la disponibilité](#)

Évaluations

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

Questions

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

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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