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

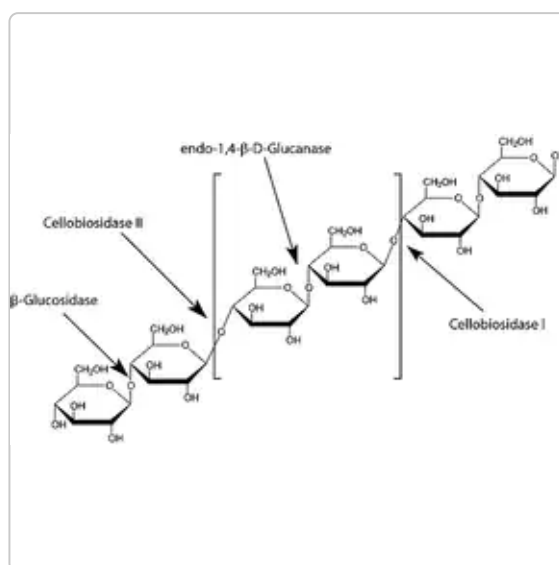


G0395 ► Sigma-Aldrich.

β-Glucosidase from almonds

★★★★★ (0)

lyophilized powder, ≥2 units/mg solid



[Toutes les photos \(3\)](#)

Synonyme(s):

β-D-Glucoside glucohydrolase

Numéro CAS:

9001-22-3

Numéro de classification (Commission des enzymes):

3.2.1.21 (BRENDA, IUBMB)

Numéro EC:

232-589-7

Numéro MDL:

MFCD00130628

NACRES:

NA.54

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G0395-2.5KU



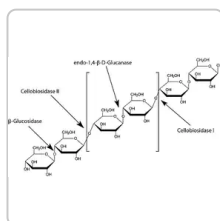
2500 UNITS

176,00 €Disponible pour expédition le 10 octobre 2022 - [De](#)

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[Ajouter au panier](#)[Demander une commande en gros](#)**Documents**[↓ FDS](#)[🔍 COO/COA](#)[📄 Fiche des caractéristiques](#)[Plus de documents >>](#)**PRODUITS RECOMMANDÉS****Sigma-Aldrich****G4511****β-Glucosidase from almonds**

lyophilized powder, 10-30 units/mg solid

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Forme

lyophilized powder

Niveau de qualité

300

specific activity

≥2 units/mg solid

Poids mol.

135 kDa

Caractéristiques du produit alternatif plus écologique

Waste Prevention

Design for Energy Efficiency

Learn more about the [Principles of Green Chemistry](#).

Impuretés

salt, essentially free

Autre catégorie plus écologique

[Enabling](#)

Temp. de stockage

2-8°C

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

Catégories apparentées

[Greener Alternative Products](#)

DESCRIPTION

Description générale

We are committed to bringing you Greener Alternative Products, which adhere to one or more of The 12 Principles of Greener Chemistry. This product has been enhanced for energy efficiency and waste prevention when used in cellulosic ethanol research. For more information see the [article in biofiles](#).

Application

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biosynthesis of oligosaccharides.

Actions biochimiques/physiologiques

β -glucosidase is involved in the hydrolysis of β -glycosidic bonds connecting carbohydrate residues in β -D-glycosides. It converts cellobiose and cellooligosaccharides produced by the endo and exoglucanases to glucose.

β glucosidase is involved in the hydrolysis of β -glycosidic bonds connecting carbohydrate residues in β -D-glycosides. They convert cellobiose and cellooligosaccharides produced by the endo and exoglucanases to glucose.

Qualité

Crude

Définition de l'unité

One unit will liberate 1.0 μ mole of glucose from salicin per min at pH 5.0 at 37 °C.

PRODUITS APPARENTÉS**Inhibiteur****C5913**

4-Chloromercuribenzoic acid, cysteine active site modifier

[View Pricing](#)**D9305**[View Pricing](#)**C5424**[View Pricing](#)**C3784**

Castanospermine, BioUltra, $\geq 94\%$ (GC), from *Castanospermum australe* seeds

[View Pricing](#)

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[GET YOURS HERE](#)**S0625**

D-(-)-Salicin, ≥99% (GC)

[View Pricing](#)**M3633**

4-Methylumbelliferyl β-D-glucopyranoside, β-glucosidase substrate

[View Pricing](#)**B4527**

5-Bromo-4-chloro-3-indolyl β-D-glucopyranoside, ≥97%

[View Pricing](#)

INFORMATIONS SUR LA SÉCURITÉ

Pictograms**GHS08****Mention d'avertissement**

Danger

Mentions de danger**H334****Conseils de prudence****P261 - P342 + P311****Classification des risques**

Resp. Sens. 1

Code de la classe de stockage

13 - Non Combustible Solids

WGK**WGK 1**

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Point d'éclair C

Not applicable

Équipement de protection individuelle

dust mask type N95 (US), Eyeshields, Faceshields, 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

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

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[Enzyme Explorer](#)

[FDS](#)

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ARTICLES REVUS PAR DES PAIRS

Identification of glutathionyl-3-hydroxykynurenine glucoside as a novel fluorophore associated with aging of the human lens.

B Garner et al.

The Journal of biological chemistry, 274(30), 20847-20854 (1999-07-20)

A novel fluorophore was isolated from human lenses using high performance liquid chromatography (HPLC). The new fluorophore was well separated from 3-hydroxykynurenine glucoside (3-OHKG) and its deaminated isoform, 4-(2-amino-3-hydroxyphenyl)-4-oxobutanoic acid O-glucoside, which are known UV filter compounds. The new compound

Variation in production of cyanogenic glucosides during early plant development: A comparison of wild and domesticated sorghum.

Max F Cowan et al.

Phytochemistry, 184, 112645-112645 (2021-01-23)

Domestication has narrowed the genetic diversity found in crop wild relatives, potentially reducing plasticity to cope with a changing climate. The tissues of domesticated sorghum (*Sorghum bicolor*), especially in younger plants, are cyanogenic and potentially toxic. Species of wild sorghum

Response surface optimization of enzymatic hydrolysis of *Cistus ladanifer* and *Cytisus striatus* for bio-ethanol production

S. Ferreira et al.

Biochemical Engineering Journal, 45, 192-200 (2009)

Exploring Antioxidant and Enzymes (A-Amylase and B-Glucosidase) Inhibitory Activity of *Morinda lucida* and *Momordica charantia* Leaves from Benin.

Michaëlle Chokki et al.

Foods (Basel, Switzerland), 9(4) (2020-04-09)

Momordica charantia Linn. (Cucurbitaceae), the wild variety of bitter melon and *Morinda lucida* Benth (Rubiaceae) were commonly used as a popular folk medicine in Benin. This research focused to measure the antioxidant and enzyme inhibitory effects of *M. charantia* and

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Glucosylation modulates the biological activity of small molecules and frequently leads to their inactivation. The *Arabidopsis thaliana* glucosyltransferase UGT76B1 is involved in conjugating the stress hormone salicylic acid (SA) as well as isoleucic acid (ILA). Here, we show that UGT76B1

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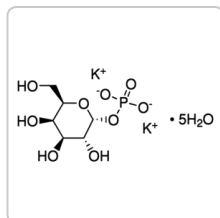
PROTOCOLES ET ARTICLES SCIENTIFIQUES

Articles

Probiotics and Human Health

Today, diverse studies report the benefits of probiotics, such as inhibitory effects on pathogens, aid in the management or prevention of chronic intestinal inflammatory diseases or atopic syndromes, and support to the...

PRODUITS CONSULTÉS RÉCEMMENT



Sigma-Aldrich

G0380

α -D-Galactose 1-phosphate dipotassium salt pentahydrate

Type II, $\geq 98\%$

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Évaluations



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