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Documents[FDS](#)[COO/COA](#)[Fiche des caractéristiques](#)**P2611** ▶ **Sigma-Aldrich.**

Pectinase from *Aspergillus aculeatus*

★★★★★ (0)

aqueous solution, ≥3,800 units/mL

Synonyme(s):

Pectinex® Ultra SPL

Numéro MDL:

MFCD00131809

NACRES:

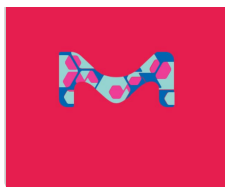
NA.54

Référence	Conditionnement	Disponibilité	Prix	Quantité
P2611-50ML	50 ML	✓ Disponible pour expédition le 10 octobre 2022	Détails... 140,00 €	- + i
P2611-250ML	250 ML	✓ Only 1 left in stock (more on the way)	Détails... 347,00 €	- + i

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**E6287**Pectinase from *Aspergillus aculeatus*
[Consulter le prix et la disponibilité](#)
**P4716**Pectinase from *Aspergillus niger*

BioReagent, suitable for plant cell culture, aqueous glycerol solution, ≥ 5 units/mg protein (Lowry)

[Consulter le prix et la disponibilité](#)
**PROPRIÉTÉS**

Forme aqueous solution

Niveau de qualité 200

specific activity $\geq 3,800$ units/mL

Caractéristiques du produit alternatif plus écologique

Waste Prevention
Design for Energy Efficiency
Learn more about the [Principles of Green Chemistry](#).

Autre catégorie plus écologique **Enabling**

Temp. de stockage 2-8°C

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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](#) and [Enzymes for Alternative Energy Research](#).

Application

Pectinase is an enzyme from *Aspergillus aculeatus* that is used in plant protoplast preparation to digest cell wall prior to organelle isolation. It has been used to conduct partial saccharification of sugars. Pectinases are used to study their role in the invasion of plant tissues by phytopathogens, the spoilage of produce and various food processing and plant biotechnology applications. Pectinase, product P2611, has been used to treat leaf discs from fifth wild-type and *sitiens* leaves.

Conditionnement

250 mL in glass bottle

Actions biochimiques/physiologiques

Pectinase is an active pectolytic enzyme preparation produced by a selected strain of *Aspergillus aculeatus* that contains mainly pectintranseliminase, polygalacturonase, and pectinesterase and small amounts of hemicellulases and cellulases. Pectinase hydrolyzes pectin, which is a component of the cell wall. They may attack methyl-esterified pectin or de-esterified pectin. It is a source of pectinase activity, also containing cellulase and hemicellulase activities.

Autres remarques

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A product of Novozyme Corp.

Pectinex is a registered trademark of Novozymes Corp.

INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de stockage

10 - Combustible liquids

WGK

WGK 3

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

Équipement de protection individuelle

Eyeshields, Gloves, multi-purpose combination respirator cartridge (US)

DOCUMENTATION

Certificat d'analyse

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

e.g. 023J5431

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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

LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Sigma-Aldrich

L3768

Lysing Enzymes from *Aspergillus* sp.
powder

Consulter le prix et la disponibilité



Sigma-Aldrich

C1184

Cellulase from *Aspergillus niger*
powder, ≥ 0.3 units/mg solid

Consulter le prix et la disponibilité



ARTICLES REVUS PAR DES PAIRS

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Xyloglucan constitutes most of the hemicellulose in eudicot primary cell walls and functions in cell wall structure and mechanics. Although *Arabidopsis* (*Arabidopsis thaliana*) xxt1 xxt2 mutants lacking detectable xyloglucan are viable, they display growth defects that are suggestive of alterations

Occurrence of selected viral and bacterial pathogens and microbiological quality of fresh and frozen strawberries sold in Spain.

J Ortiz-Solà et al.

International journal of food microbiology, 314, 108392-108392 (2019-11-08)

Strawberry production and exports have been increasing in Spain in recent decades. However, little information is available about their microbiological quality. Due to the growing concern about the microbial safety of these fruits, the objective of this investigation was to

Abscisic acid deficiency causes changes in cuticle permeability and pectin composition that influence tomato resistance to *Botrytis cinerea*.

Katrien Curvers et al.

Plant physiology, 154(2), 847-860 (2010-08-17)

A mutant of tomato (*Solanum lycopersicum*) with reduced abscisic acid (ABA) production (*sitiens*) exhibits increased resistance to the necrotrophic fungus *Botrytis cinerea*. This resistance is correlated with a rapid and strong hydrogen peroxide-driven cell wall fortification response in epidermis cells

Application of an Optimized Direct Lysis Method for Viral RNA Extraction Linking Contaminated Dates to Infection With Hepatitis A Virus.

Sheikh Md Rajiuddin et al.

Frontiers in microbiology, 11, 516445-516445 (2020-10-13)

Consumption of dates has not been considered a common risk of hepatitis A virus (HAV) infection. In January 2018, an outbreak of hepatitis was identified with cases resident in all regions of Denmark. All the detected strains belonged to HAV

Effect of enzymatic pretreatment on the physical quality of plantain (

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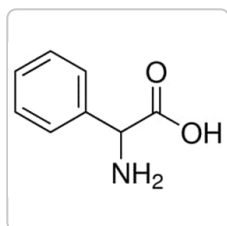
PROTOCOLES ET ARTICLES SCIENTIFIQUES

Articles

Carbohydrate Analysis III

A key resource feature at our Enzyme Explorer section of biochemicals is "Enzymes for Carbohydrate Analysis and Digestion." Offering kits, reagents, analysis, lists of enzymes related to PTM and carbohydrate metabolism.

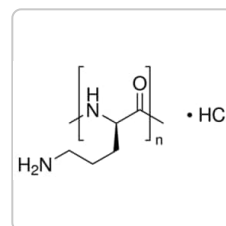
PRODUITS CONSULTÉS RÉCEMMENT



Sigma-Aldrich

P25507**2-Phenylglycine**

95%

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Sigma-Aldrich

P2533**Poly-L-ornithine hydrochloride**

mol wt 15,000-30,000

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