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P1750 ▶ **Sigma-Aldrich**

Pancreatin from porcine pancreas

★★★★★ (0)

4 × USP specifications

Synonyme(s):

Pancreatin from hog pancreas

Numéro CAS: **8049-47-6**

Numéro EC: **232-468-9**

Numéro MDL: **MFCD00131789**

NACRES: NA.54

Référence	Conditionnement	Disponibilité	Prix	Quantité
P1750-25G	25 G	✓ Only 3 left in stock (more on the way) Détails...	45,30 €	− + 
P1750-100G	100 G	✓ Only 2 left in stock (more on the way) Détails...	115,00 €	− + 
P1750-500G	500 G	✓ Only 3 left in stock (more on the way) Détails...	394,00 €	− + 

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PRODUITS RECOMMANDÉS



Sigma-Aldrich

P7545

Pancreatin from porcine pancreas

8 × USP specifications

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

P3292

Pancreatin from porcine pancreas

powder, suitable for cell culture, 4 × USP specifications

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Agency	USP (specifications)
Niveau de qualité	200
Forme	powder
specific activity	4 × USP specifications
Contient	lactose or sucrose as extender (The sucrose used might contain up to 3.25% starch.)
Temp. de stockage	−20°C

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

Catégories apparentées

Proteases

DESCRIPTION

Application

Pancreatin from porcine pancreas has been used:

- for a study to assess the treatment of steatorrhea by lipase supplementation therapy
- for a study to investigate treatment options for pancreatic diabetes in patients experiencing the decompensated stage of chronic pancreatitis
- to safely and effectively remove formalin-fixed tissues from arterial grafts without causing structural damage and loss in fiber integrity
- to assess cleavage by digestive enzymes.
- for *in vitro* digestibility analysis and to test the sensitivities of cellulolytic bacteria inhibitors.
- along with amyloglucosidase for the *in vitro* digestion of starch in food samples.

Conditionnement

25, 100, 500 g in poly bottle

Actions biochimiques/physiologiques

Pancreatin contains enzymatic components including trypsin, amylase and lipase, ribonuclease, and protease, produced by the exocrine cells of the porcine pancreas. This combination of enzymes allows it to hydrolyze proteins, starch and fats. Pancreatin will convert not less than 25 times its weight of potato starch into soluble carbohydrates in 5 minutes in water at 40°C, will digest not less than 25 times its weight of casein in 60 minutes at pH 7.5 at 40°C and will release not less than microequivalents of acid per min per mg pancreatin from olive oil at pH 9.0 at 37°C.

INFORMATIONS SUR LA SÉCURITÉ

Pictograms



GHS07,GHS08

Mention d'avertissement

Danger

Mentions de danger

H315 - H317 - H319 - H334 -
H335

Conseils de prudence

P261 - P264 - P271 - P280 -
P302 + P352 - P305 + P351 +
P338

Classification des risques

Eye Irrit. 2 - Resp. Sens. 1 -
Skin Irrit. 2 - Skin Sens. 1 -
STOT SE 3

Organes cibles

Respiratory system

Code de la classe de stockage

11 - Combustible Solids

WGK

WGK 2

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

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).

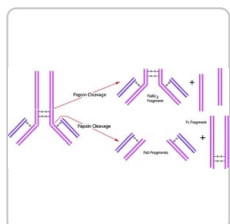
Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)

Rechercher

LES CLIENTS ONT ÉGALEMENT CONSULTÉ

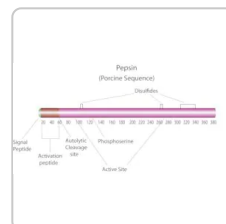


Sigma-Aldrich

P6887

Pepsin from porcine gastric mucosa
lyophilized powder, $\geq 3,200$ units/mg protein

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

P7012

Pepsin from porcine gastric mucosa
lyophilized powder, $\geq 2,500$ units/mg protein (E1%/280)

[Consulter le prix et la disponibilité](#)

ARTICLES REVUS PAR DES PAIRS

Human pancreatic digestive enzymes.

David C Whitcomb et al.

Digestive diseases and sciences, 52(1), 1-17 (2007-01-06)

A primary function of the pancreas is to produce digestive enzymes that are delivered to the small intestine for the hydrolysis of complex nutrients. Much of our understanding of digestive enzymes comes from studies in animals. New technologies and the

Effect of Controlled Hydrothermal Treatments on Mung Bean Starch Structure and Its Relationship with Digestibility.

Muhammad Awais et al.

Foods (Basel, Switzerland), 9(5) (2020-05-28)

The changes in structure and digestion properties of mung bean starch due to hydrothermal treatment at various controlled temperatures were investigated. Results showed the increase in onset temperature (To) from 66.33 °C to 76.69 °C and decrease in enthalpies (ΔH_g)

Metabolomic Study to Evaluate the Transformations of Extra-Virgin Olive Oil's Antioxidant Phytochemicals During In Vitro Gastrointestinal Digestion.

Gabriele Rocchetti et al.

Antioxidants (Basel, Switzerland), 9(4) (2020-04-10)

In this work, different commercial extra-virgin olive oils (EVOO) were subjected to in vitro gastrointestinal digestion and the changes in bioactive compounds were evaluated by ultra-high-pressure liquid chromatography coupled with quadrupole-time-of-flight mass spectrometry, using untargeted metabolomics. As expected, raw EVOO

Peptidome comparison following gastrointestinal digesta of bovine versus caprine milk serum.

Ying Ma et al.

Journal of dairy science, 104(1), 47-60 (2020-11-10)

Infant formula is used as a supplement for newborns. Although bovine milk-based infant formulas dominate the market, caprine milk-based infant formula has attracted increasing attention because of its lower allergenicity. This study compared the digestive peptidome of bovine and caprine

Lipase supplementation therapy: standards, alternatives, and perspectives.

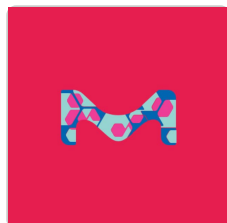
Peter Layer et al.

Pancreas, 26(1), 1-7 (2002-12-25)

Treatment of steatorrhea by lipase supplementation therapy has become more successful in the last decade due to better understanding of the physiology and pathophysiology of the digestive process. Porcine lipase has been the therapeutic standard for several decades and will

Afficher tous les articles scientifiques apparentés

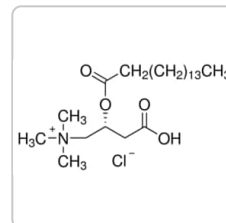
PRODUITS CONSULTÉS RÉCEMMENT



Sigma-Aldrich

P1644**Percoll®**

pH 8.5-9.5 (20 °C)

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

P1645**Palmitoyl-L-carnitine chloride**

≥98% (TLC), powder

[Consulter le prix et la disponibilité](#)

Évaluations

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

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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