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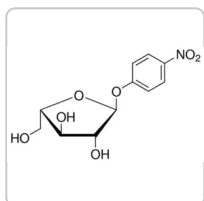
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Documents



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COO/COA



Fiche des
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N3641 ► Sigma-Aldrich.

4-Nitrophenyl α -L-arabinofuranoside

★★★★★ (0)

≥98% (TLC)

Synonyme(s):

4-nitrophenyl-ARA

Empirical Formula (Hill Notation):

C₁₁H₁₃NO₇

Numéro CAS: **6892-58-6**

Poids moléculaire: 271.22

Beilstein: 1688357

Numéro MDL: **MFCD00057269**

ID de substance PubChem: **329818639**

NACRES: NA.32

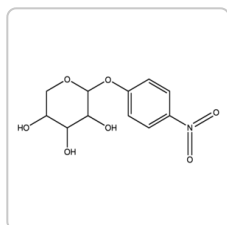
Référence	Conditionnement	Disponibilité	Prix	Quantité
N3641-10MG	10 MG	Only 3 left in stock (more on the way) Détails...	202,00 €	- +
N3641-25MG	25 MG	Only 4 left in stock (more on the way) Détails...	329,00 €	- +
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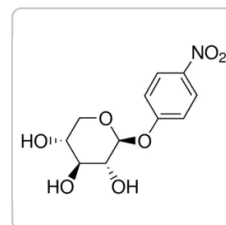
PRODUITS RECOMMANDÉS



Sigma-Aldrich

N3512

4-Nitrophenyl α -L-arabinopyranoside
arabinosidase substrate

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

N2132

4-Nitrophenyl β -D-xylopyranoside
 $\geq 98\%$

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Niveau de qualité	200
Essai/Dosage	$\geq 98\%$ (TLC)
Forme	powder
Solubilité	methanol: 50 mg/mL
Temp. de stockage	-20°C

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InChI key

DUYYBTBDYZXISX-UKKRHICBSA-N

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DESCRIPTION

Application

4-Nitrophenyl α -L-arabinofuranoside has been used:

- as a substrate for α -arabinofuranosidase in an enzymatic assay to determine glycosidase activities in *Oenococcus oeni* strains
- to determine the enzymatic activity of α -arabinofuranosidase
- as a *p*-nitrophenol linked substrate to determine its activity in *Aspergillus niger* NW249 culture filtrate

Conditionnement

10, 25, 100 mg in poly bottle

INFORMATIONS SUR LA SÉCURITÉ

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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)

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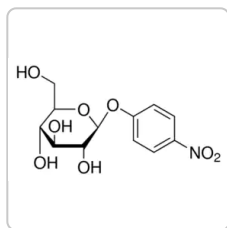


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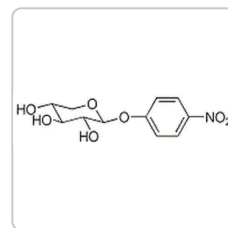
Sigma-Aldrich

N7006

4-Nitrophenyl β -D-glucopyranoside

$\geq 98\%$ (TLC)

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

487870

***p*-Nitrophenyl- β -D-xylopyranoside - CAS 2001-96-9 - Calbiochem**

Substrate for the colorimetric assay of β -D-xylosidase.
Also shown to disrupt proteoglycan biosynthesis *in vivo*.

[Consulter le prix et la disponibilité](#)

ARTICLES REVUS PAR DES PAIRS

Differential expression of α -L-arabinofuranosidases during maize (*Zea mays* L.) root elongation.

Liudmila V Kozlova et al.

Planta, 241(5), 1159-1172 (2015-01-23)

Specific α -L-arabinofuranosidases are involved in the realisation of elongation growth process in cells with type II cell walls. Elongation growth in a plant cell is largely based on modification of the cell wall. In type II cell walls

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The extracellular depolymerization of arabinopolysaccharides by microorganisms is accomplished by arabinanases, xylanases, and galactanases. Here, we characterize a novel endo- α -1,5-L-arabinanase (EC 3.2.1.99) from *Bacillus subtilis*, encoded by the *yxiA* gene (herein renamed *abn2*) that contributes to arabinan degradation. Functional studies

The acetates of p-nitrophenyl α -L-arabinofuranoside--regioselective preparation by action of lipases.

Mária Mastihubová et al.

Bioorganic & medicinal chemistry, 14(6), 1805-1810 (2005-11-18)

All possible di-O-acetates and mono-O-acetates of p-nitrophenyl α -L-arabinofuranoside were prepared by chemoenzymatic way using lipases. The 2,3-di-O-acetate was obtained in 90% yield by deacetylation of the primary acetyl group of per-O-acetylated p-nitrophenyl α -L-arabinofuranoside by *Candida cylindracea* lipase (CCL) or *Candida*

Purification and characterization of a novel thermostable α -L-arabinofuranosidase from a color-variant strain of *Aureobasidium pullulans*.

B C Saha et al.

Applied and environmental microbiology, 64(1), 216-220 (1998-01-22)

A color-variant strain of *Aureobasidium pullulans* (NRRL Y-12974) produced α -L-arabinofuranosidase (α -L-AFase) when grown in liquid culture on oat spelt xylan. An extracellular α -L-AFase was purified 215-fold to homogeneity from the culture supernatant by ammonium sulfate treatment, DEAE Bio-Gel A agarose

Synergistic effect of *Aspergillus niger* and *Trichoderma reesei* enzyme sets on the saccharification of wheat straw and sugarcane bagasse.

Joost van den Brink et al.

Biotechnology journal, 9(10), 1329-1338 (2014-08-15)

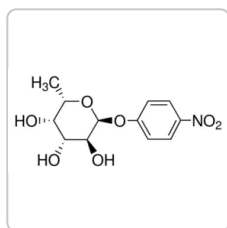
Plant-degrading enzymes can be produced by fungi on abundantly available low-cost plant biomass. However, enzymes sets after growth on complex substrates need to be better understood, especially with emphasis on differences between fungal species and the influence of inhibitory compounds

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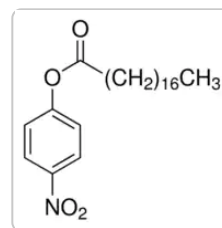
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PRODUITS CONSULTÉS RÉCEMMENT



Sigma-Aldrich

N3628**4-Nitrophenyl α -L-fucopyranoside** $\geq 98\%$ (TLC)

Sigma-Aldrich

N3627**4-Nitrophenyl stearate**

lipase substrate

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Évaluations

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