

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

[Toutes les photos \(1\)](#)

Documents

[↓ FDS](#)[🔍 COO/COA](#)[📄 Fiche des caractéristiques](#)S0202 ▶ **Sigma-Aldrich.**

Secoisolariciresinol diglucoside

★★★★★ (0)

≥97% (HPLC)

Synonyme(s):

SDG

Empirical Formula (Hill Notation):

 $C_{32}H_{46}O_{16}$

Numéro CAS:

148244-82-0

Poids moléculaire:

686.70

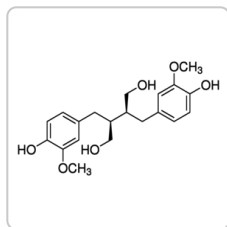
NACRES:

NA.25

Référence	Conditionnement	Disponibilité	Prix	Quantité
S0202-10MG	10 MG	✓ Only 6 left in stock (more on the way) Détails...	321,00 €	− + i
S0202-50MG	50 MG	✓ Only 1 left in stock (more on the way) Détails...	1080,00 €	− + i

[Demander une commande en gros](#)[Ajouter au panier](#)

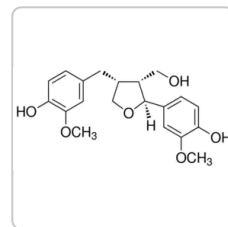
PRODUITS RECOMMANDÉS



Sigma-Aldrich

60372**Secoisolariciresinol**

≥95.0% (HPLC)

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Sigma-Aldrich

06892**(+)-Lariciresinol**

≥95.0% (HPLC)

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PROPRIÉTÉS

Niveau de qualité	100
Essai/Dosage	≥97% (HPLC)
Forme	powder
Conditions de stockage	protect from light
Couleur	white to off-white
Solubilité	H ₂ O: 1 mg/mL, clear, colorless
Temp. de stockage	2-8°C

InChI

1S/C20H26O6.C6H12O6/c1-25-19-9-13(3-5-17(19)23)7-15(11-21)16(12-22)8-14-4-6-18(24)20(10-14)26-2;7-1-2-3(8)4(9)5(10)6(11)12-2/h3-6,9-10,15-16,21-24H,7-8,11-12H2,1-2H3;2-11H,1H2/t15-,16-;2-,3-,4+,5-,6-/m01/s1

InChI key

MJYQFWSXKFLTAY-OVEQLNGDSA-N

Catégories apparentées**Natural Products****DESCRIPTION****Description générale**

Secoisolariciresinol diglucoside (SDG) is one of the essential dietary lignans found in flaxseed. It has an oligomeric structure.

Conditionnement

10 mg in glass insert

50 mg in poly bottle

Actions biochimiques/physiologiques

Secoisolariciresinol diglucoside (SDG) a metal-chelating ligand, that displays antiproliferative and proapoptotic effects in breast cancer cells. It elicits reno-protective properties against cadmium-induced nephrotoxicity in rats. SDG is a potent anti-inflammatory agent which prevents the interaction of blood-brain-barrier with inflammatory cells and protects against neuroinflammatory diseases. It is also an excellent anti-diabetic agent.

Secoisolariciresinol diglucoside is a phytochemical present in flax, sunflower, sesame and pumpkin seeds. It is a precursor of mammal lignans and a phytoestrogen. Secoisolariciresinol diglucoside has been shown to have antioxidant and cardioprotective

properties.

INFORMATIONS SUR LA SÉCURITÉ

**Code de la classe de
stockage**

13 - Non Combustible Solids

WGK

WGK 3

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).

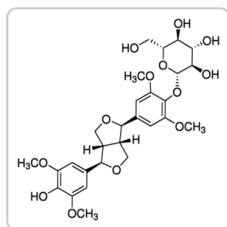
Numéro de lot

e.g. 023J5431

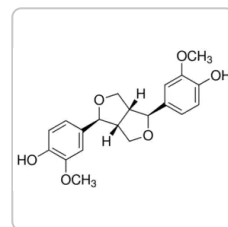
Comment saisir un numéro de lot (COO)

[Rechercher](#)

LES CLIENTS ONT ÉGALEMENT CONSULTÉ

**PHL83914****(-)-Syringaresinol 4-O- β -D-glucoside**

phyproof® Reference Substance

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Supelco

06709**Pinoresinol**

analytical standard

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ARTICLES REVUS PAR DES PAIRS

Natural products in regression and slowing of progression of atherosclerosis.

Kailash Prasad*Current pharmaceutical biotechnology, 11(8), 794-800 (2010-09-30)*

Many natural products, including vitamin E, garlic, purpurogallin, flaxseed and its components [secoisolariciresinol diglucoside (SDG) and flax lignan complex (FLC)] and resveratrol have been reported to suppress hypercholesterolemic atherosclerosis. It is known that all of the drugs that suppress the

Patented techniques for the extraction and isolation of secoisolariciresinol diglucoside from flaxseed.

Farah S Hosseinian et al.*Recent patents on food, nutrition & agriculture, 1(1), 25-31 (2009-01-01)*

Plant lignans are phenolic compounds generally containing a dibenzylbutane skeleton. Secoisolariciresinol diglucoside (SDG) is the major lignan found in flaxseed. SDG is known to have antioxidant and anticancer properties. SDG can potentially be used as a natural antioxidant in foods

Radioprotective role in lung of the flaxseed lignan complex enriched in the phenolic secoisolariciresinol diglucoside (SDG).

Melpo Christofidou-Solomidou et al.

Radiation research, 178(6), 568-580 (2012-10-31)

While dietary wholegrain Flaxseed (FS) has potent anti-inflammatory, anti-fibrotic and antioxidant properties in murine models of acute and chronic lung injury, the main bioactive ingredient that contributes to these protective effects remains unknown. This study evaluated the lignan complex of

Milk concentration of the mammalian lignan enterolactone, milk production, milk fatty acid profile, and digestibility in dairy cows fed diets containing whole flaxseed or flaxseed meal.

Hélène V Petit et al.

The Journal of dairy research, 76(3), 257-264 (2009-03-03)

A total of 24 lactating Holstein cows averaging 620 (SE=29) kg of body weight were allotted at week 17 of lactation to eight groups of three cows blocked for similar days in milk to determine the effects of feeding two

Antidiabetic effect of secoisolariciresinol diglucoside in streptozotocin-induced diabetic rats.

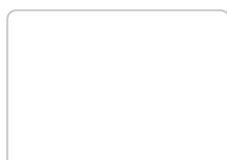
Sadiq S Moree et al.

Phytomedicine : international journal of phytotherapy and phytopharmacology, 20(3-4), 237-245 (2012-12-29)

Diabetes mellitus is a chronic metabolic disorder characterized by hyperglycaemia. Its complications such as neuropathy, cardiopathy, nephropathy, and micro and macro vascular diseases are believed to be due to the increase in oxidative stress and decrease in the level of

Afficher tous les articles scientifiques apparentés

PRODUITS CONSULTÉS RÉCEMMENT

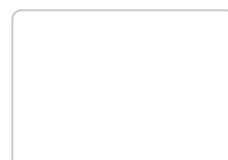


Sigma-Aldrich

S0146

Schneider's Insect Medium

With L-glutamine and sodium bicarbonate, liquid, sterile-



Sigma-Aldrich

S-014-M

Enzyme Free Cell Dissociation Solution PBS Based (1X), liquid, 500ml



filtered, suitable for insect cell culture

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The Enzyme-Free Cell Dissociation Solution is a PBS based formulation of chelating agents & agents to... stabilize their activity on cells. This solution is available in

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Évaluations

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