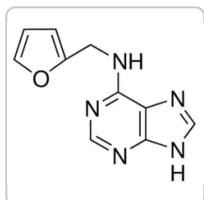


Saisir le nom du produit, le numéro de lot, etc.



Toutes les
photos (1)

K3253 ▶ **Sigma-Aldrich.**

Kinetin solution

★★★★★ (0)

1 mg/mL, BioReagent, suitable for plant cell culture

Synonyme(s):

6-Furfurylaminopurine, N⁶-Furfuryladenine

Documents

↓ **FDS**

🔍 **COO/COA**

📄 **Fiche des
caractéristiques**

Plus de
documents »

Numéro CAS: **525-79-1**

ID de substance PubChem: **24896228**

Numéro MDL: **MFCD00075757**

NACRES: NA.72

Référence	Conditionnement	Disponibilité	Prix	Quantité
K3253-100ML	100 ML	Only 5 left in stock (more on the way)	Détails... 51,50 €	- +

Demander une commande en gros

Ajouter au panier

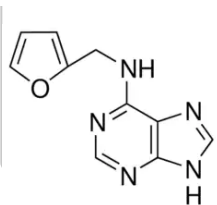
PRODUITS RECOMMANDÉS



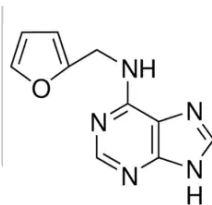
Sigma-Aldrich



Sigma-Aldrich

**K3378****Kinetin**

BioReagent, suitable for plant cell culture, amorphous powder

[Consulter le prix et la disponibilité](#)**K0753****Kinetin**

suitable for plant cell culture, crystalline

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Stérilité sterile-filtered

Niveau de qualité 200

Gamme de produits BioReagent

Forme solution

Concentration 1 mg/mL

technique(s) cell culture | plant: suitable

application(s) agriculture

Expédié(e)s dans dry ice

Temp. de stockage -20°C

SMILES string C(Nc1ncnc2[nH]cnc12)c3ccco3

InChI

1S/C10H9N5O/c1-2-7(16-3-1)4-11-9-8-10(13-5-12-8)15-6-14-9/h1-3,5-6H,4H2,(H2,11,12,13,14,15)

InChI key

QANMHLXAZMSUEX-UHFFFAOYSA-N

Catégories apparentées

[Plant Culture Media](#)

[Plant Culture Reagents](#)

DESCRIPTION

Description générale

Kinetin is a synthetic cytokinin, which functions as a plant growth regulator.

Application

Kinetin is an adenine-type cytokinin phytohormone that is used in plant culture media such as Murashige & Skoog media in conjunction with auxins such as indole-3-acetic acid (IAA), Indole-3-butyric acid (IBA), 1-naphthaleneacetic acid (NAA) or others to induce the formation of callus and to regenerate plant tissues from callus.

Actions biochimiques/physiologiques

Kinetin is a type of cytokinin that is a plant hormone that promotes cell division. It is a growth factor that exerts several anti-aging and antioxidant effects on cells and organs. It is found to protect, effectively, the rat spleen from aging, apoptosis, and atrophy. It can help in inhibiting apoptosis, while promoting the proliferation of splenic lymphocyte, and effectively enhancing the immune power of the aging rats and slow down the aging process. It is also useful for enhancing phytoextraction.

INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de stockage	WGK	Flash Point(F)	Point d'éclair C
12 - Non Combustible Liquids	WGK 1	Not applicable	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

Plus De Documents

[FT-NMR Spectra](#)

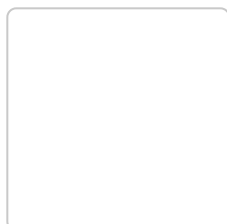
[Spectra - ATR-IR](#)

[Spectra for FT-IR Raman](#)

[Structure Search](#)

[FDS](#)

LES CLIENTS ONT ÉGALEMENT CONSULTÉ



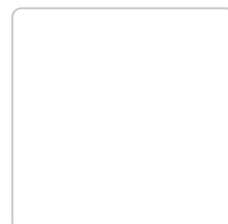
Sigma-Aldrich

M9274

Murashige and Skoog Basal Medium

suitable for plant cell culture, with sucrose and agar

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

B5920

6-Benzylaminopurine hydrochloride

suitable for plant cell culture, ≥98%

[Consulter le prix et la disponibilité](#)



ARTICLES REVUS PAR DES PAIRS

[Kinetin inhibits apoptosis of aging spleen cells induced by D-galactose in rats.](#)

Mengyun Li et al.

Journal of veterinary science, 15(3), 353-359 (2014-06-26)

Kinetin (Kn) is a cytokinin growth factor that exerts several anti-aging and antioxidant effects on cells and organs. To investigate the mechanism underlying apoptotic events in aging cells induced by D-galactose (D-gal), we examined the effect of Kn delivered via

Kinetin modulates physio-hormonal attributes and isoflavone contents of Soybean grown under salinity stress.

Muhammad Hamayun et al.

Frontiers in plant science, 6, 377-377 (2015-06-18)

Crop productivity continues to decline due to a wide array of biotic and abiotic stresses. Salinity is one of the worst abiotic stresses, as it causes huge losses to crop yield each year. Kinetin (Kn) has been reported as plant

[Effect of kinetin on immunity and splenic lymphocyte proliferation in vitro in D-galactose-induced aging rats].

Meng-Yun Li et al.

Sheng li xue bao : [Acta physiologica Sinica], 66(5), 605-611 (2014-10-22)

The purpose of this paper is to study the effect of kinetin (Kn) on immunity and splenic lymphocyte proliferation in vitro of aging rats induced by D-galactose (D-gal). Fifty SD rats were randomly divided into five groups: control group, aging

Enhancing Phytoremediation Potential of Pennisetum clandestinum Hochst in Cadmium-Contaminated Soil Using Smoke-Water and Smoke-Isolated Karrikinolide.

Ambrose Okem et al.

International journal of phytoremediation, 17(11), 1046-1052 (2015-01-13)

The use of plant growth regulators (PGRs) and biostimulants to enhance phytoextraction is gaining popularity in phytoremediation technology. This study investigated the stimulatory effects of smoke-water (SW), a smoke-derived compound karrikinolide (KAR1) and other known plant growth regulators (PGRs) [gibberellic

Comparative analysis of phytohormone-responsive phosphoproteins in Arabidopsis thaliana using TiO2-phosphopeptide enrichment and mass accuracy precursor alignment.

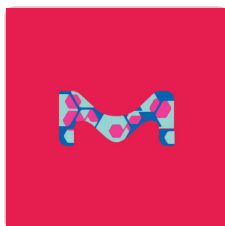
Yanmei Chen et al.

The Plant journal : for cell and molecular biology, 63(1), 1-17 (2010-04-09)

Protein phosphorylation/dephosphorylation is a central post-translational modification in plant hormone signaling, but little is known about its extent and function. Although pertinent protein kinases and phosphatases have been predicted and identified for a variety of hormone responses, classical biochemical approaches

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PRODUITS CONSULTÉS RÉCEMMENT



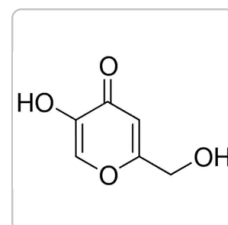
Sigma-Aldrich

K3129

Kao and Michayluk Vitamin Solution

100 x, liquid, suitable for plant cell culture

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

K3125

Kojic acid

[Consulter le prix et la disponibilité](#)

Évaluations



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

Questions

[Soyez le premier à poser une question](#)

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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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