

Want a pin for your lab coat?

Subscribe to our scientific newsletters to get a shiny 'Magic Flask' pin.



GET YOURS HERE



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

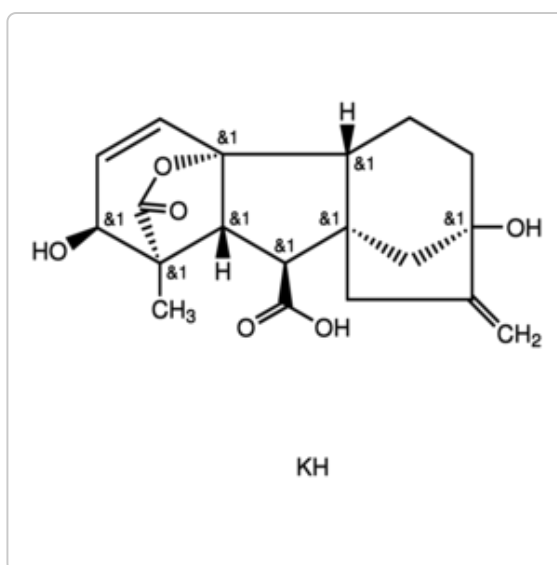


G1025 ▶ **Sigma-Aldrich.**

Gibberellic acid potassium salt

★★★★★ (0)

suitable for plant cell culture, BioReagent, ~95%, ≥50% total GA₃ basis



[Toutes les photos](#) (2)

Synonyme(s):

GA₃, Gibberellin A₃

Empirical Formula (Hill Notation):

C₁₉H₂₁KO₆

Numéro CAS:

125-67-7

Poids moléculaire:

384.46

Numéro EC:

204-749-6

Numéro MDL:

MFCD00083342

ID de substance PubChem:

Want a pin for your lab coat?

Subscribe to our scientific newsletters to get a shiny 'Magic Flask' pin.



GET YOURS HERE



Select an Option

Référence

G1025-1G



1 G

180,00 €



Disponible pour expédition le 10 octobre 2022 - **De**

—

1

+

Ajouter au panier

[Demander une commande en gros](#)

Documents

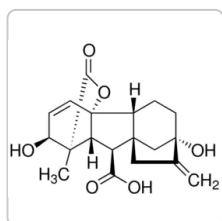
[↓ FDS](#)

[🔍 COO/COA](#)

[📄 Fiche des caractéristiques](#)

[Plus de documents »](#)

PRODUITS RECOMMANDÉS



Sigma-Aldrich

G7645

Gibberellic acid

suitable for plant cell culture, BioReagent, ≥90% gibberellin A₃ basis (of total gibberellins.)

Want a pin for your lab coat?

Subscribe to our scientific newsletters to get a shiny 'Magic Flask' pin.



GET YOURS HERE



1 OF 10

PROPRIÉTÉS

Gamme de produits

BioReagent

Essai/Dosage

≥50% total GA₃ basis

~95%

technique(s)

cell culture | plant: suitable

application(s)

agriculture

SMILES string

```
[K].[H][C@@]12CC[C@]3(O)C[C@]1(CC3=C)[C@@H](C(O)=O)[C@]4([H])[C@@]5(C)[C@@H](O)C=C[C@@]24OC5=O
```

InChI

```
1S/C19H22O6.K.H/c1-9-7-17-8-18(9,24)5-3-10(17)19-6-4-11(20)16(2,15(23)25-19)13(19)12(17)14(21)22;;/h4,6,10-13,20,24H,1,3,5,7-8H2,2H3,(H,21,22);;/t10-,11+,12-,13-,16-,17+,18+,19-;;/m1../s1
```

InChI key

YGDRGPFCIWRNTK-DHDXTLTISA-N

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

Catégories apparentées

[Plant Culture Media](#)

[Plant Culture Reagents](#)

DESCRIPTION

Application

Want a pin for your lab coat?

Subscribe to our scientific newsletters to get a shiny 'Magic Flask' pin.

[GET YOURS HERE](#)**Conditionnement**

1, 5, 10 g in poly bottle

Actions biochimiques/physiologiques

Gibberillic acids (GA) are important plant growth hormones that promote plant cell growth and elongation. Gibberellins promote rapid stem and root growth, induce mitotic division and initiate (break dormancy) and increase seed germination rates. The gibberellins are also involved in processes such as gravitropism, tensioning and floral display. Auxins influence the biosynthesis and signaling of GA. GA is involved in auxin-mediated primary root elongation by modulating auxin signaling and transport.

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

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

Want a pin for your lab coat?

Subscribe to our scientific newsletters to get a shiny 'Magic Flask' pin.



GET YOURS HERE



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)

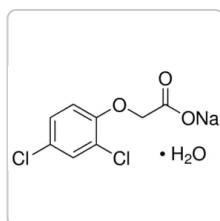
Rechercher

Plus De Documents

[Structure Search](#)

[FDS](#)

LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Sigma-Aldrich

D6679

(2,4-Dichlorophenoxy)acetic acid sodium salt monohydrate

suitable for plant cell culture, BioReagent

[Consulter le prix et la disponibilité](#)

< 1 of 6 >

ARTICLES REVUS PAR DES PAIRS

Biochemical and histological effects of gibberellic acid on *Locusta migratoria migratoria* fifth instar larvae.

Khemais Abdellaoui et al.

Pesticide biochemistry and physiology, 107(1), 32-37 (2014-08-26)

Want a pin for your lab coat?

Subscribe to our scientific newsletters to get a shiny 'Magic Flask' pin.



GET YOURS HERE



AtCRK5 Protein Kinase Exhibits a Regulatory Role in Hypocotyl Hook Development during Skotomorphogenesis.

Abu Imran Baba et al.

International journal of molecular sciences, 20(14) (2019-07-25)

Seedling establishment following germination requires the fine tuning of plant hormone levels including that of auxin. Directional movement of auxin has a central role in the associated processes, among others, in hypocotyl hook development. Regulated auxin transport is ensured by

GA(3) enhances root responsiveness to exogenous IAA by modulating auxin transport and signalling in Arabidopsis.

Guijun Li et al.

Plant cell reports, 34(3), 483-494 (2014-12-30)

We used auxin-signalling mutants, auxin transport mutants, and auxin-related marker lines to show that exogenously applied GA enhances auxin-induced root inhibition by affecting auxin signalling and transport. Variation in root elongation is valuable when studying the interactions of phytohormones. Auxins

The LATERAL ROOT DENSITY gene regulates root growth during water stress in wheat.

Dante F Placido et al.

Plant biotechnology journal, 18(9), 1955-1968 (2020-02-08)

Drought stress is the major limiting factor in agriculture. Wheat, which is the most widely grown crop in the world, is predominantly cultivated in drought-prone rainfed environments. Since roots play a critical role in water uptake, root response to water

SLR1 inhibits MOC1 degradation to coordinate tiller number and plant height in rice.

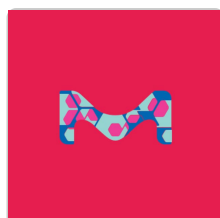
Zhigang Liao et al.

Nature communications, 10(1), 2738-2738 (2019-06-23)

The breeding of cereals with altered gibberellin (GA) signaling propelled the 'Green Revolution' by generating semidwarf plants with increased tiller number. The mechanism by which GAs promote shoot height has been studied extensively, but it is not known what causes

Afficher tous les articles scientifiques apparentés

PRODUITS CONSULTÉS RÉCEMMENT



Sigma-Aldrich

G1019

Gamborg's Vitamin Solution

1000 x, liquid, suitable for plant cell culture

Want a pin for your lab coat?

Subscribe to our scientific newsletters to get a shiny 'Magic Flask' pin.

[GET YOURS HERE](#)

\ 1 OF 10 /

Évaluations

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

Questions

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

SERVICE TECHNIQUE

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..

[Contacter notre Service technique](#)

Le contenu de cette page vous a-t-il été utile ?*



Que pouvons-nous faire pour améliorer cette page spécifique de notre site Internet ?

[Envoyer](#)

Want a pin for your lab coat?

Subscribe to our scientific newsletters to get a shiny 'Magic Flask' pin.



GET YOURS HERE



© 2022 Merck KGaA, Darmstadt, Allemagne et/ou ses sociétés affiliées. Tous droits réservés.

La reproduction d'une quelconque partie du contenu de ce site est strictement interdite sans autorisation.

[Conditions d'utilisation du site](#) | [Politique de confidentialité](#) | [Conditions générales de vente](#) | [Consentement relatif au copyright](#) | [Paramètres des cookies](#)