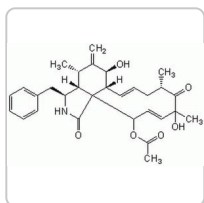


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Documents[FDS](#)[COA/CoQ](#)**250255-****M**

Cytochalasin D, *Zygosporium mansonii* - CAS 22144-77-0 - Calbiochem

★★★★★ (0)

Cytochalasin D, *Zygosporium mansonii*, CAS 22144-77-0, is a fungal toxin that is about 10-fold more potent than cytochalasin B in inhibiting actin filament function. Blocks cytoplasmic division.

Synonyme(s):Cytochalasin D, *Zygosporium mansonii* - CAS 22144-77-0 - Calbiochem**Empirical Formula (Hill Notation):**C₃₀H₃₇NO₆**Numéro CAS:****22144-77-0****Poids moléculaire:**

507.62

Numéro MDL:**MFCD00077706**

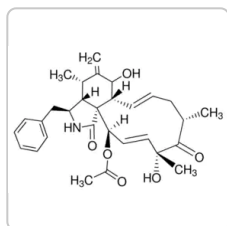
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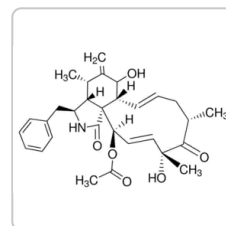
Sigma-Aldrich

C8273

Cytochalasin D

from *Zygosporium mansonii*, ≥98% (TLC and HPLC), powder

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

C2618

Cytochalasin D

Ready Made Solution, from *Zygosporium mansonii*, 5 mg/mL in DMSO

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Niveau de qualité 100

Essai/Dosage ≥98% (TLC)

Forme solide

manufacturer/tradename Calbiochem®

Conditions de stockage OK to freeze
protect from light

Couleur white

Solubilité DMSO: 2 mg/mL
chloroform: 2 mg/mL

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InChI	28(35)30(22,25)24(37-20(4)32)14-15-29(5,36)27(17)34/h6-9,11-15,17-18,22-26,33,36H,3,10,16H2,1-2,4-5H3,(H,31,35)/b13-9+,15-14+/t17-,18+,22-,23-,24+,25-,26+,29+,30+/m0/s1
InChI key	SDZRWUKZFQKKV-JHADDHBZSA-N

DESCRIPTION

Description générale

A cell-permeable fungal toxin that is approximately 10 times more potent than cytochalasin B in inhibiting actin filament function. Does not inhibit monosaccharide transport across cell membranes. Inhibits cytoplasmic division by blocking the formation of contractile microfilaments at 10 μ M. Inactivates low conductance K^+ channels. Also modulates CD4 cross-linking in T lymphocytes and increases intracellular Ca^{2+} levels. Cytochalasin D also exhibits antibiotic and anti-tumor activity.

Cell-permeable fungal toxin. About 10-fold more potent than cytochalasin B in inhibiting actin filament function. Does not inhibit monosaccharide transport across cell membranes. Inhibits cytoplasmic division by blocking the formation of contractile microfilaments. Inactivates low conductance K^+ channels. Also modulates CD4 cross-linking in T lymphocytes and increases intracellular Ca^{2+} levels. Exhibits antitumor activity. Also available as a 10 mM solution in DMSO (Cat. No. [504776](#)).

Actions biochimiques/physiologiques

Primary Target

Actin filament function

Avertissement

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Following reconstitution in chloroform, aliquot, dry under a stream of nitrogen, and freeze (-20°C). Reconstitute in DMSO just prior to use. Dried aliquots are stable for up to 3 months at -20°C.

Autres remarques

Sasaki, H., et al. 1995. *Proc. Natl. Acad. Sci. USA* **92**, 2026.

Blankson, H., et al. 1995. *Exp. Cell Res.* **218**, 522.

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Aszalos, A., et al. 1994. *Cell Immunol.* **157**, 81.

Wang, W.H., et al. 1994. *Am. J. Physiol.* **267**, F592.

Betina, V., and Micekova, D. 1972. *Chem. Abstr.* **77**, 160508q.

Katagiri, K., and Matsuura, S. 1971. *J. Antibiot.* **24**, 722.

Informations légales

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INFORMATIONS SUR LA SÉCURITÉ

Pictograms



GHS06

Mention d'avertissement

Danger

Mentions de danger

H300

Conseils de prudence

P264 - P270 - P301 + P310 -
P405 - P501

Classification des risques

Code de la classe de

WGK

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HAZARDOUS MATERIALS

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 de qualité

Saisir un numéro de lot pour rechercher un certificat de qualité (CoQ).

Référence

e.g. T1503

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (CoQ)

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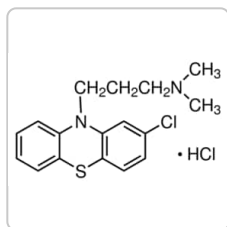
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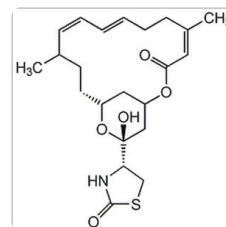
Sigma-Aldrich

C0982

Chlorpromazine hydrochloride

meets USP testing specifications

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Sigma-Aldrich

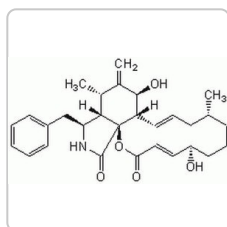
428021

Latrunculin A, *Latrunculia magnifica* - CAS 76343-93-6 - Calbiochem

Latrunculin A, CAS 76343-93-6, is a cell-permeable marine toxin that disrupts microfilament organization i...

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PRODUITS CONSULTÉS RÉCEMMENT



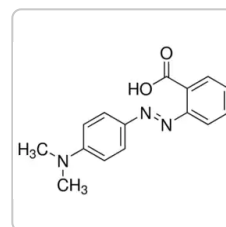
Sigma-Aldrich

250233

Cytochalasin B, *Helminthosporium dematioideum* - CAS 14930-96-2 - Calbiochem

Cell-permeable fungal toxin.

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

250198

Methyl Red

ACS reagent, crystalline

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Évaluations

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