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photos (3)

Documents



FDS



COO/COA



Fiche des
caractéristiques

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R7382 ▶ **Sigma-Aldrich.**

Rifampicin

★★★★★ (0)

suitable for plant cell culture, BioReagent, ≥97% (HPLC), crystalline

Synonyme(s):

3-(4-Methylpiperazinyliminomethyl)rifamycin SV, Rifampin, Rifamycin AMP

Empirical Formula (Hill Notation):

C₄₃H₅₈N₄O₁₂

Numéro CAS: **13292-46-1**

Poids moléculaire: 822.94

Beilstein: 5723476

Numéro EC: **236-312-0**

Numéro MDL: **MFCD00151389**

ID de substance PubChem: **24899391**

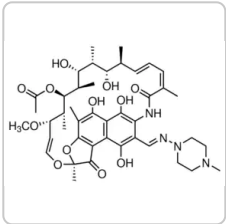
NACRES: NA.72

Référence	Conditionnement	Disponibilité	Prix	Quantité
R7382-1G	1 G	✓ Only 1 left in stock (more on the way) Détails...	198,00 €	− +
R7382-5G	5 G	✓ Date d'expédition estimée le 18 octobre 2022	745,00 €	− +

[Demander une commande en gros](#)

[Ajouter au panier](#)

PRODUITS RECOMMANDÉS



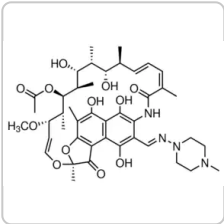
Sigma-Aldrich

R3501

Rifampicin

≥97% (HPLC), powder

[Consulter le prix et la disponibilité](#)



R0700000

Rifampicin

European Pharmacopoeia (EP) Reference Standard

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Gamme de produits	BioReagent
Niveau de qualité	200
Essai/Dosage	≥97% (HPLC)
Forme	crystalline
technique(s)	cell culture plant: suitable
Solubilité	chloroform: 50 mg/mL, clear

Spectre d'activité de l'antibiotique

Gram-negative bacteria

Gram-positive bacteria

	mycobacteria
application(s)	agriculture
Mode d'action	protein synthesis interferences
Temp. de stockage	-20°C
SMILES string	<chem>CO[C@H]1\C=C\O[C@@]2(C)Oc3c(C)c(O)c4c(O)c(NC(=O)C(C)=C\C=C\[C@H](C)[C@H](O)[C@@H](C)[C@@H](O)[C@@H](C)[C@H](OC(C)=O)[C@@H]1C)c\N5CCN(C)CC5)c(O)c4c3C2=O</chem>
InChI	1S/C43H58N4O12/c1-21-12-11-13-22(2)42(55)45-33-28(20-44-47-17-15-46(9)16-18-47)37(52)30-31(38(33)53)36(51)26(6)40-32(30)41(54)43(8,59-40)57-19-14-29(56-10)23(3)39(58-27(7)48)25(5)35(50)24(4)34(21)49/h11-14,19-21,23-25,29,34-35,39,49-53H,15-18H2,1-10H3,(H,45,55)/b12-11+,19-14+,22-13-,44-20+/t21-,23+,24+,25+,29-,34-,35+,39+,43-/m0/s1
InChI key	JQXXHWHWPUNPDRT-WLSIYKJHSA-N

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

Catégories apparentées

- Antibiotics
- Plant Culture Media
- Plant Culture Reagents

DESCRIPTION

Description générale

Chemical structure: macrolide

Application

Rifampicin, a rifamycin, is active against mycobacteria. Rifamycin, is also an inhibitor of chloroplast RNA polymerase and may be used to study chloroplast-level DNA transcription in plants.

Conditionnement

1, 5 g in glass bottle

Actions biochimiques/physiologiques

Inhibits the assembly of DNA and protein into mature virus particles.

Mode of Action: Inhibits initiation of RNA synthesis by binding to β -subunit of RNA polymerase.

Autres remarques

Keep container tightly closed in a dry and well-ventilated place. Product is sensitive to light and moisture. Store under inert gas.

INFORMATIONS SUR LA SÉCURITÉ

Pictograms



GHS07

Mention d'avertissement

Warning

Mentions de danger

H302

Conseils de prudence

P264 - P270 - P301 + P312 - P501

Classification des risques

Acute Tox. 4 Oral

Code de la classe de stockage

11 - Combustible Solids

WGK

WGK 1

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

**Équipement de protection
individuelle**dust mask type N95 (US),
Eyeshields, Gloves

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

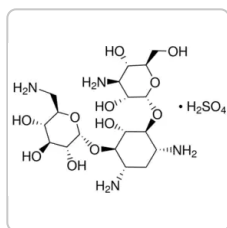
Comment saisir un numéro de lot (COO)

Rechercher

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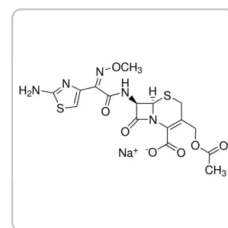
LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Sigma-Aldrich

K1377**Kanamycin sulfate from *Streptomyces kanamyceticus***

powder, BioReagent, suitable for cell culture, suitable for plant cell culture

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

C7039**Cefotaxime sodium salt**

suitable for plant cell culture, BioReagent, powder or crystals

[Consulter le prix et la disponibilité](#)

ARTICLES REVUS PAR DES PAIRS

Searching limiting steps in the expression of chloroplast-encoded proteins: relations between gene copy number, transcription, transcript abundance and translation rate in the chloroplast of *Chlamydomonas reinhardtii*.

Stephan Eberhard et al.*The Plant journal : for cell and molecular biology*, 31(2), 149-160 (2002-07-18)

We performed a systematic investigation of the quantitative relationship between genome copy number, transcription, transcript abundance and synthesis of photosynthetic proteins in the chloroplast of the green algae *Chlamydomonas reinhardtii* grown either in mixotrophic or phototrophic conditions. The chloroplast gene

iPSC-derived hepatocytes generated from NASH donors provide a valuable platform for disease modeling and drug discovery.

Igor Gurevich et al.

Biology open, 9(12) (2020-12-04)

Non-alcoholic fatty liver disease (NAFLD) affects 30-40% of adults and 10% of children in the US. About 20% of people with NAFLD develop non-alcoholic steatohepatitis (NASH), which may lead to cirrhosis and liver cancer, and is projected to be a

Potential market for novel tuberculosis diagnostics: worth the investment?

Sandra V Kik et al.

The Journal of infectious diseases, 211 Suppl 2, S58-S66 (2015-03-15)

The potential available market (PAM) for new diagnostics for tuberculosis that meet the specifications of the high-priority target product profiles (TPPs) is currently unknown. We estimated the PAM in 2020 in 4 high-burden countries (South Africa, Brazil, China, and India)

Diarylquinolines target subunit c of mycobacterial ATP synthase.

Anil Koul et al.

Nature chemical biology, 3(6), 323-324 (2007-05-15)

The diarylquinoline R207910 (TMC207) is a promising candidate in clinical development for the treatment of tuberculosis. Though R207910-resistant mycobacteria bear mutations in ATP synthase, the compound's precise target is not known. Here we establish by genetic, biochemical and binding assays

In vivo selection of reduced susceptibility to carbapenems in *Acinetobacter baumannii* related to ISAb₁-mediated overexpression of the natural bla(OXA-66) oxacillinase gene.

Samy Figueiredo et al.

Antimicrobial agents and chemotherapy, 53(6), 2657-2659 (2009-03-25)

Two clonally related *Acinetobacter baumannii* isolates, A1 and A2, were obtained from the same patient. Isolate A2, selected after an imipenem-containing treatment, showed reduced susceptibility to carbapenems. This resistance pattern was related to insertion of the ISAb₁ element upstream of

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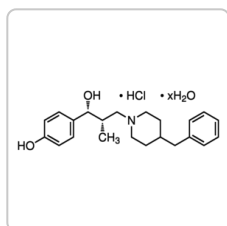
PROTOCOLES ET ARTICLES SCIENTIFIQUES

Articles

Antibiotic Kill Curve

Antibiotic kill curve is a dose response experiment in which mammalian cells are subjected to increasing amounts of selection antibiotic

PRODUITS CONSULTÉS RÉCEMMENT

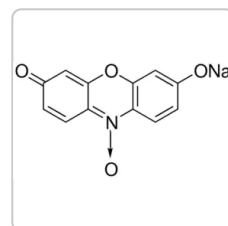


Sigma-Aldrich

R7150

Ro 25-6981 hydrochloride hydrate
≥98% (HPLC), powder

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

R7017

Resazurin sodium salt
powder, BioReagent, suitable for cell culture

[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

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..

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