

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

[Toutes les photos \(1\)](#)**R95DD** ▶ **Sigma-Aldrich.**

Rhamnolipids, 95% (Di-Rhamnolipid dominant)

★★★★★ (0)

Synonyme(s):

Rhamnolipids

NACRES:

NA.22

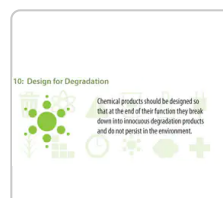
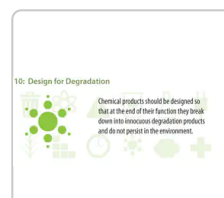
Documents

[FDS](#)[COO/COA](#)

Référence	Conditionnement	Disponibilité	Prix	Quantité
R95DD-10MG	10 MG	 Only 4 left in stock (more on the way) Détails...	191,00 €	- + 

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PRODUITS RECOMMANDÉS

**Sigma-Aldrich****R95MD****Rhamnolipids, 95% (Mono-Rhamnolipid dominant)****Sigma-Aldrich****R90****Rhamnolipids, 90%**

Consulter le prix et la disponibilité

Consulter le prix et la disponibilité

PROPRIÉTÉS

Source biologique	<i>Pseudomonas aeruginosa</i>
Niveau de qualité	100
Forme	solid/granular
Caractéristiques du produit alternatif plus écologique	Design for Degradation: Greener alternative product characteristics Learn more about the Principles of Green Chemistry .
Autre catégorie plus écologique	Aligned
Expédié(e)s dans	ambient
Temp. de stockage	room temp

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

Catégories apparentées

[Greener Alternative Products](#)
[Lipids for Therapeutics and Research](#)

DESCRIPTION

Description générale

Rhamnolipid biosurfactants are glycolipids containing L-rhamnose and β -hydroxyl fatty acids, with amphiphilic properties (both hydrophilic and hydrophobic). This rhamnolipid product has been purified from *Pseudomonas aeruginosa* and contains a mixture of rhamnolipids with fatty acids of varying tail length. They are highly biodegradable, non-toxic, and renewable. Functional roles include bioactive, surfactant and emulsifier. Rhamnolipids provide good detergency/foaming/wetting, stable microemulsion formation, and solubility under high alkalinity. They are mild with skin-friendly attributes. Surfactant and emulsion properties of rhamnolipids include reducing the surface tension of water to 25 to 40 mN/m, having a CMC of 5-380 mg/L, and decreasing the interfacial tension of oil and water to <1 dyne/cm. Rhamnolipid biosurfactants are superior to synthetic surfactants for several reasons: their CMC is 10-100 times lower than that of traditional chemical surfactants (meaning much less material is required to achieve reductions in surface tension/interfacial tension); they are easily biodegradable with very low toxicity (having higher EC50 values); they are not as affected by temperature, pH and salinity; and they are sustainably produced.

We are committed to bringing you Greener Alternative Products, which adhere to one or more of The 12 Principles of Greener Chemistry. This product has been enhanced for hydrocarbon degradation. For more information see the paper [Environmental applications of biosurfactants: recent advances](#), and the many other articles available at: [AGAE Technologies](#)

Application

Rhamnolipids can be used in pharmaceuticals, cosmeceuticals, cosmetics, personal products, environmental bioremediation, the petroleum industry, household cleaners, food and beverage processing, agriculture and horticulture, therapeutics, nanotechnology, the polymer industry, cryo-protectants, the mining industry, biofuels, ethanol production, microbial fuel cells, protein research, and neural stem cell studies.

Informations légales

Product of AGAE Technologies

INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de stockage

13 - Non Combustible Solids

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

ARTICLES REVUS PAR DES PAIRS

[Factor VIII inhibitor postpartum].

I Ohkubo et al.

[Rinsho ketsueki] The Japanese journal of clinical hematology, 27(9), 1596-1602 (1986-09-01)

Metabolism of isoprenaline in the intestine.

C F George et al.

The Journal of pharmacy and pharmacology, 26(4), 265-267 (1974-04-01)

Rhamnolipids--next generation surfactants?

Markus Michael Müller et al.

Journal of biotechnology, 162(4), 366-380 (2012-06-26)

The demand for bio-based processes and materials in the petrochemical industry has significantly increased during the last decade because of the expected running out of petroleum. This trend can be ascribed to three main causes: (1) the increased use of

Biosurfactants: a sustainable replacement for chemical surfactants?

Roger Marchant et al.

Biotechnology letters, 34(9), 1597-1605 (2012-05-24)

Glycolipid biosurfactants produced by bacteria and yeasts provide significant opportunities to replace chemical surfactants with sustainable biologically produced alternatives in bulk commercial products such as laundry detergents and surface cleaners. Sophorolipids are already available in sufficient yield to make their

Environmental applications of biosurfactants: recent advances.

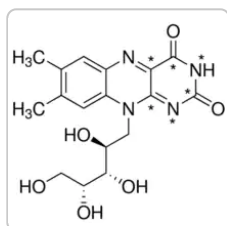
Magdalena Pacwa-Płociniczak et al.

International journal of molecular sciences, 12(1), 633-654 (2011-02-23)

Increasing public awareness of environmental pollution influences the search and development of technologies that help in clean up of organic and inorganic contaminants such as hydrocarbons and metals. An alternative and eco-friendly method of remediation technology of environments

contaminated with

PRODUITS CONSULTÉS RÉCEMMENT



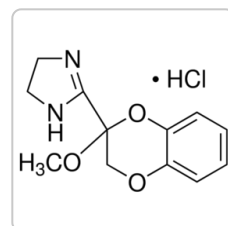
Sigma-Aldrich

R9504

(-)-Riboflavin

BioReagent, suitable for cell culture, suitable for insect cell culture, ≥98%

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

R9525

RX 821002 hydrochloride

solid, ≥98% (HPLC)

[Consulter le prix et la disponibilité](#)

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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