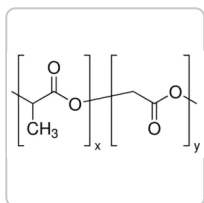


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🔍 COO/COA

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caractéristiques

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P2191 ▶ **Sigma-Aldrich.**

Poly(D,L-lactide-co-glycolide)

★★★★★ (0)

lactide:glycolide (50:50), mol wt 30,000-60,000

Synonyme(s):

LACTEL® B6010-2, PLGA

Formule linéaire:

$[C_3H_4O_2]_x[C_2H_2O_2]_y$

Numéro MDL:

MFCD00131930

ID de substance PubChem:

24898286

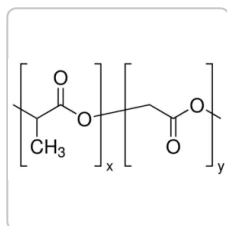
Référence	Conditionnement	Disponibilité	Prix	Quantité
P2191-1G	1 G	Only 1 left in stock (more on the way)	Détails... 278,00 €	- +
P2191-5G	5 G	Date d'expédition estimée le 08 mars 2023	460,00 €	- +

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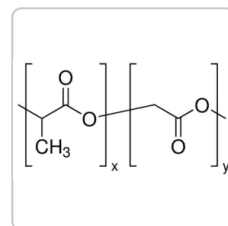
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Sigma-Aldrich

P1941**Poly(D,L-lactide-co-glycolide)**

lactide:glycolide (75:25), mol wt 66,000-107,000

[Consulter le prix et la disponibilité](#)


Sigma-Aldrich

719897**Resomer® RG 502 H, Poly(D,L-lactide-co-glycolide)**acid terminated, M_w 7,000-17,000
[Consulter le prix et la disponibilité](#)


PROPRIÉTÉS

Ratio alimentaire	lactide:glycolide (50:50)
-------------------	---------------------------

Niveau de qualité	100
-------------------	-----

Poids mol.	30,000-60,000
------------	---------------

Temp. de stockage	-20°C
-------------------	-------

SMILES string	<chem>OCC(O)=O.CC(O)C(O)=O</chem>
---------------	-----------------------------------

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Description générale

Poly(D,L-lactide-co-glycolide) is a biodegradable and biocompatible polymer, which is used for drug delivery. It is used to treat rheumatoid arthritis, ulcerative colitis, Crohn's disease, inflammatory lung diseases and ophthalmic inflammatory disorders. Poly(D,L-lactide-co-glycolide) functions as a potential cancer therapeutic target.

Application

Poly(D,L-lactide-co-glycolide) has been used to raise and sustain an increased lactate monomer level in the gel at a concentration relevant to dermal wounds.

Conditionnement

1, 5 g in poly bottle

Caractéristiques et avantages

Controlled release of bioactive agents, sutures and bioabsorbable implantable devices.

Forme physique

Biocompatible, biodegradable polymer.

Informations légales

Lactel is a registered trademark of Durect Corp.

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11 - 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

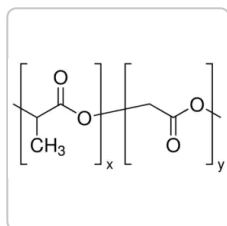
Comment saisir un numéro de lot (COA)**Rechercher****Certificat d'origine**

Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

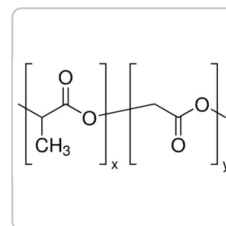
Numéro de lot

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Sigma-Aldrich

739960**Resomer® RG 505, Poly(D,L-lactide-co-glycolide)**ester terminated, M_w 54,000-69,000[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

739944**Resomer® RG 504, Poly(D,L-lactide-co-glycolide)**lactide:glycolide 50:50, ester terminated, M_w 38,000-54,000[Consulter le prix et la disponibilité](#)**QUESTIONS FRÉQUEMMENT POSÉES (FAQ)**

Which document(s) contains shelf-life or expiration date information for a given product?

If available for a given product, the recommended re-test date or the expiration date can be found on the Certificate of Analysis.

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How do I find price and availability:

There are several ways to find pricing and availability for our products. Once you log onto our website, you will find the price and availability displayed on the product detail page. You can contact any of our Customer Sales and Service offices to receive a quote. USA customers: 1-800-325-3010 or view [local office numbers](#).

What is the Department of Transportation shipping information for this product?

Transportation information can be found in Section 14 of the product's (M)SDS. To access the shipping information for this material, use the link on the product detail page for the product.

Product P2191, Poly(D,L-lactide-co-glycolide), is a compound that is useful as a time-release agent in delivery systems such as herbicides, pesticides, and drugs. What is the rate of degradation?

The higher the lactic acid to glycolic acid ratio, the slower is the degradation rate of the polymer. Molecular weight of the polymer is a contributing factor to the degradation; the lower the molecular weight, the faster the degradation rate of the polymer.

What is the glass transition temperature of Product P2191, Poly(D,L-lactide-co-glycolide)?

The glass transition is 45-50°C; the melting point is amorphous.

What is the viscosity of Product P2191, Poly(D,L-lactide-co-glycolide)?

The viscosity of this product is lot-specific and can be found in the Certificate of Analysis.

My question is not addressed here, how can I contact Technical Service for assistance?

Ask a Scientist [here](#).

ARTICLES REVUS PAR DES PAIRS

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Characterization of biodegradable poly (D, L-lactide-co-glycolide) polymers and microspheres

Hausberger AG and DeLuca PP

Journal of Pharmaceutical and Biomedical Analysis, 13(6), 747-760 (1995)

Aerobically derived lactate stimulates revascularization and tissue repair via redox mechanisms

Hunt TK, et al.

Antioxidants & Redox Signaling, 9(8), 1115-1124 (2007)

Induction of specific humoral immune response in mice immunized with ROP18 nanospheres from *Toxoplasma gondii*.

Habibun Nabi et al.

Parasitology research, 116(1), 359-370 (2016-10-28)

Toxoplasmosis is one of the most common zoonotic protozoal diseases. Recent advances in biotechnology have produced recombinant protein, which are immunogenic, and progress in nano-pharmaceutics has generated encapsulated protein in nanospheres, which are suitable for vaccine delivery. DNA was extracted

Selenium Overcomes Doxorubicin Resistance in Their Nano-platforms Against Breast and Colon Cancers.

Ahmed A Abd-Rabou et al.

Biological trace element research, 193(2), 377-389 (2019-05-09)

Colon cancer in men and breast cancer in women are regarded as major health burdens, accounting for majority of cancer diagnoses globally. Doxorubicin (DOX) resistance in breast and colon cancers represents the main reason of unsuccessful therapy. The rationale of

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