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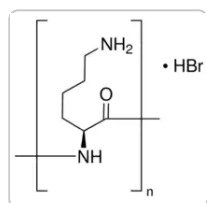
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Saisir le nom du produit, le numéro de lot, etc.



Toutes les
photos (4)

Documents



FDS



COO/COA



Fiche des
caractéristiques

Plus de
documents »

P1524 ► **Sigma-Aldrich.**

Poly-L-lysine hydrobromide

★★★★★ 5.0 (1)

mol wt ≥300,000

Numéro CAS: **25988-63-0**

eCl@ss: 32160406

NACRES: NA.26

Numéro MDL: **MFCD00237230**

ID de substance PubChem: **24898211**

Référence	Conditionnement	Disponibilité	Prix	Quantité
P1524-25MG	25 MG	✓ Only 1 left in stock (more on the way) Détails...	82,10 €	− + i
P1524-100MG	100 MG	✓ Disponible pour expédition le 10 octobre 2022 Détails...	260,00 €	− + i
P1524-500MG	500 MG	✓ Only 2 left in stock (more on the way) Détails...	861,00 €	− + i
P1524-1G	1 G	✓ Only 1 left in stock (more on the way) Détails...	1510,00 €	− + i

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PRODUITS RECOMMANDÉS

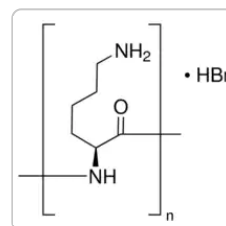


Sigma-Aldrich

P8920

Poly-L-lysine solution

0.1 % (w/v) in H₂O



Sigma-Aldrich

P2636

Poly-L-lysine hydrobromide

mol wt 30,000-70,000

[Consulter le prix et la disponibilité](#)

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PROPRIÉTÉS

Forme powder

Niveau de qualité 200

Poids mol. $\geq 300,000$

technique(s) cell culture | mammalian: suitable

Couleur white to off-white

application(s) cell analysis

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InChI	1S/C18H38N6O4/c19-10-4-1-7-13(22)16(25)23-14(8-2-5-11-20)17(26)24-15(18(27)28)9-3-6-12-21/h13-15H,1-12,19-22H2,(H,23,25)(H,24,26)(H,27,28)/t13-,14-,15-/m0/s1
InChI key	WBSCNDJQPKSPII-KKUMJFAQSA-N

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

Catégories apparentées[Amino Acids](#)**DESCRIPTION****Application**

Poly-L-lysine polymers can be used in promoting cell adhesion to solid substrates, conjugation to methotrexate for increased drug transport, microencapsulation of islets, cell microencapsulation technology, microarray glass slide coating, and chromosomal preparations. It has also been used as a transfection agent for efficient labeling and to facilitate endocytosis. Lower molecular weight poly-L-lysine (30,000-70,000) is less viscous in solution, but higher molecular weight versions provide more attachment sites per molecule.

Conditionnement

25, 100, 500 mg in poly bottle

1 g in poly bottle

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the cell culture surface, poly-L-lysine functions to increase the number of positively charged sites available for cell binding. With cells that can digest poly-L-lysine, poly-D-lysine should be used as the attachment factor.

Composants

Poly-L-lysine is a positively charged amino acid polymer with approximately one HBr per lysine residue. The hydrobromide allows the poly-L-lysine to be in a crystalline form soluble in water. A small amount of product may be found in the beta structure because the HBr interferes with hydrogen bonding between amino and either the carboxyl groups or N or O containing moieties.

Attention

Sterile solutions are stable for up to 2 years when stored at 2-8°C. It should be stored desiccated at -20°C.

Notes préparatoires

Poly-L-lysine hydrobromide has a molecular weight >300,000. To remove the HBr, dissolve this product in a neutral buffer and dialyze to remove the salts. None of the poly-L-lysine products have been exposed to trifluoroacetic acid and are dialyzed to remove any monomers, dimers, or trimers, confirmed by thin layer chromatography. In general, to use this product as an attachment factor, add 50 mL of sterile tissue culture grade water to 5 mg of poly-lysine, and aseptically coat the surface with 1 mL per 25 cm² of solution. After 5 minutes, remove the solution through aspiration and thoroughly rinse the surface. Let dry for two hours before introducing cells and medium.

Remarque sur l'analyse

Molecular weight based on viscosity and is also assayed by MALLS.

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Code de la classe de stockage

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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Rechercher

Fiche D'informations Produit

[Product Information Sheet - P1524](#)

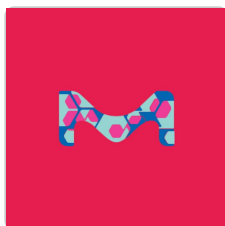
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LES CLIENTS ONT ÉGALEMENT CONSULTÉ



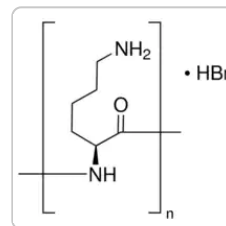
Sigma-Aldrich

P4707

Poly-L-lysine solution

0.01%, sterile-filtered, BioReagent, suitable for cell culture

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

P9155

Poly-L-lysine hydrobromide

mol wt 30,000-70,000, lyophilized powder, γ -irradiated, BioXtra, suitable for cell culture

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In vivo tracking of mesenchymal stem cells labeled with a novel chitosan-coated superparamagnetic iron oxide nanoparticles using 3.0 T MRI

Reddy AM, et al.

Journal of Korean Medical Science, 25(2), 211-219 (2010)

Long-term MRI cell tracking after intraventricular delivery in a patient with global cerebral ischemia and prospects for magnetic navigation of stem cells within the CSF.

Mirosław Janowski et al.

PloS one, 9(2), e97631-e97631 (2014-06-12)

The purpose of the study was to evaluate the long-term clinical tracking of magnetically labeled stem cells after intracerebroventricular transplantation as well as to investigate in vitro feasibility for magnetic guidance of cell therapy within large fluid compartments. After approval

Iron-oxide labeling and outcome of transplanted mesenchymal stem cells in the infarcted myocardium

Amsalem Y, et al.

Circulation, 116 (2007)

Increased lateral microtubule contact at the cell cortex is sufficient to drive mammalian spindle elongation.

Joshua Guild et al.

Molecular biology of the cell, 28(14), 1975-1983 (2017-05-05)

The spindle is a dynamic structure that changes its architecture and size in response to biochemical and physical cues. For example, a simple physical change, cell confinement, can trigger centrosome separation and increase spindle steady-state length at metaphase. How this

In vitro model of bone to facilitate measurement of adhesion forces and super-resolution imaging of osteoclasts.

Takahiro Deguchi et al.

Scientific reports, 6, 22585-22585 (2016-03-05)

To elucidate processes in the osteoclastic bone resorption, visualise resorption and related actin reorganisation, a combination of imaging technologies and an applicable in vitro model is needed. Nanosized bone powder from matching species is deposited on any biocompatible surface in

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PROTOCOLES ET ARTICLES SCIENTIFIQUES

Articles

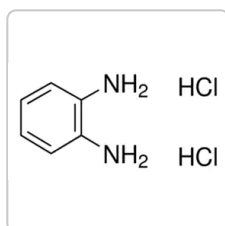
Smart Oligonucleotide Delivery by Multifunctional Block Copolymers

Kanjiro Miyata (The University of Tokyo, Japan) provides insights on the rational design of polymeric materials for “smart” oligonucleotide delivery.

Poly(Amino Acid) Block Copolymers for Drug Delivery and other Biomedical Applications

Humankind has utilized protein materials throughout its existence, starting with the use of materials such as wool and silk for warmth and protection from the elements and continuing with the use of recombinant DNA techniques to synthesize proteins with unique and useful properties.

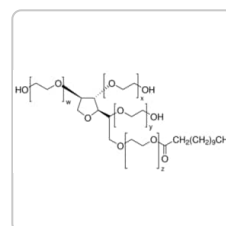
PRODUITS CONSULTÉS RÉCEMMENT



Sigma-Aldrich

P1526

o-Phenylenediamine dihydrochloride
peroxidase substrate

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Sigma-Aldrich

P1379

TWEEN® 20
viscous liquid

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Description sommaire de la notation

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5 ★	1
4 ★	0
3 ★	0
2 ★	0
1 ★	0

Notes moyennes des clients

Générale ★★★★★ 5.0

1 AVIS AVEC NOTES UNIQUEMENT

★★★★★ 5.0 | 1 avis

Rechercher des questions et des réponses		1 avis	0 questions	0 réponses
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Questions

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