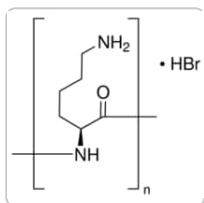


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P2636 ▶ **Sigma-Aldrich.**

Poly-L-lysine hydrobromide

★★★★★ 5.0 (1)

mol wt 30,000-70,000

Numéro CAS: **25988-63-0**

eCl@ss: 32160406

NACRES: NA.26

Numéro MDL: **MFCD00237230**ID de substance PubChem: **24898343**

Référence	Conditionnement	Disponibilité		Prix	Quantité
P2636-25MG	25 MG	✓ Only 4 left in stock (more on the way)	Détails...	93,60 €	− + i
P2636-100MG	100 MG	✓ Only 3 left in stock (more on the way)	Détails...	284,00 €	− + i
P2636-500MG	500 MG	✓ Only 3 left in stock (more on the way)	Détails...	1 120,00 €	− + i
P2636-1G	1 G	✓ Only 4 left in stock (more on the way)	Détails...	1 720,00 €	− + i

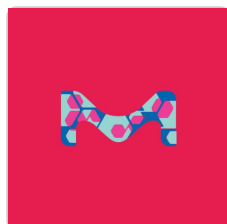
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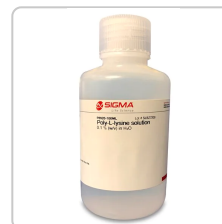
PRODUITS RECOMMANDÉS



Sigma-Aldrich

P4707**Poly-L-lysine solution**

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

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

P8920**Poly-L-lysine solution**

0.1 % (w/v) in H₂O

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Forme	powder
Niveau de qualité	300
Poids mol.	30,000-70,000
technique(s)	bioconjugation: suitable cell culture mammalian: suitable
Couleur	white to faint yellow

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

Catégories apparentées[Amino Acids](#)

DESCRIPTION

Conditionnement

25, 100, 500 mg in poly bottle

1 g in poly bottle

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. 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.

Actions biochimiques/physiologiques

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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

This product has a molecular weight of 30,000-70,000. 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 was also assayed by MALLS.

INFORMATIONS SUR LA SÉCURITÉ

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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

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Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)

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Fiche D'informations Produit

Product Information Sheet - P2636

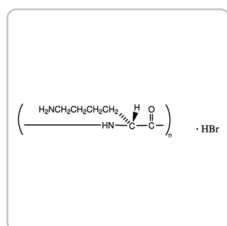
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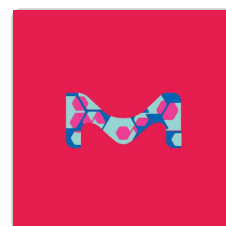
Sigma-Aldrich

P7886

Poly-D-lysine hydrobromide

mol wt 30,000-70,000

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

P4832

Poly-L-lysine solution

mol wt 150,000-300,000, 0.01%, sterile-filtered, BioReagent, suitable for cell culture

[Consulter le prix et la disponibilité](#)



ARTICLES REVUS PAR DES PAIRS

[NMDA receptor subunit composition controls dendritogenesis of hippocampal neurons through CAMKII, CREB-P, and](#)

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Dendrite arbor growth, or dendritogenesis, is choreographed by a diverse set of cues, including the NMDA receptor (NMDAR) subunits NR2A and NR2B. While NR1NR2B receptors are predominantly expressed in immature neurons and promote plasticity, NR1NR2A receptors are mainly expressed in

Direct measurement of cortical force generation and polarization in a living parasite.

Rachel V Stadler et al.

Molecular biology of the cell, 28(14), 1912-1923 (2017-02-18)

Apicomplexa is a large phylum of intracellular parasites that are notable for the diseases they cause, including toxoplasmosis, malaria, and cryptosporidiosis. A conserved motile system is critical to their life cycles and drives directional gliding motility between cells, as well

F-actin patches associated with glutamatergic synapses control positioning of dendritic lysosomes.

Bas van Bommel et al.

The EMBO journal, 38(15), e101183-e101183 (2019-07-04)

Organelle positioning within neurites is required for proper neuronal function. In dendrites, with their complex cytoskeletal organization, transport of organelles is guided by local specializations of the microtubule and actin cytoskeleton, and by coordinated activity of different motor proteins. Here

Cell Type Influences Local Delivery of Biomolecules from a Bioinspired Apatite Drug Delivery System.

Jumana Alhamdi et al.

Materials (Basel, Switzerland), 11(9) (2018-09-16)

Recently, the benefit of step-wise sequential delivery of fibroblast growth factor-2 (FGF-2) and bone morphogenetic protein-2 from a bioinspired apatite drug delivery system on mouse calvarial bone repair was demonstrated. The thicknesses of the nanostructured poly-L-Lysine/poly-L-Glutamic acid polyelectrolyte multilayer (PEM)

Light-inducible receptor tyrosine kinases that regulate neurotrophin signalling.

Ki-Young Chang et al.

Nature communications, 5, 4057-4057 (2014-06-05)

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Articles

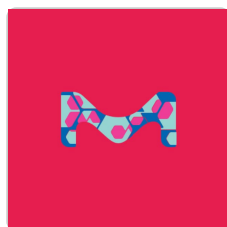
Smart Oligonucleotide Delivery by Multifunctional Block Copolymers

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

P2621

Phosphomannose Isomerase from *Escherichia coli*

recombinant, expressed in *E. coli*, ammonium sulfate suspension, ≥50 units/mg protein

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

P2611

Pectinase from *Aspergillus aculeatus*

aqueous solution, ≥3,800 units/mL

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3 ★		0
2 ★		0
1 ★		0

Notes moyennes des clients

Générale ★★★★★ 5.0

1 AVIS AVEC NOTES UNIQUEMENT

★★★★★ 5.0 | 1 avis

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