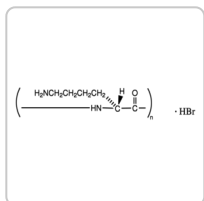


Saisir le nom du produit, le numéro de lot, etc.



Toutes les
photos (1)

Documents



FDS



COO/COA



Fiche des
caractéristiques

Plus de
documents



P7280 ► **Sigma-Aldrich.**

Poly-D-lysine hydrobromide

★★★★★ (0)

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

Synonyme(s):

PDL

Formule linéaire:

D-Lys-(D-Lys)_n-D-Lys · xHBr

Numéro CAS: **27964-99-4**

Numéro MDL: **MFCD00131934**

ID de substance PubChem: **24898835**

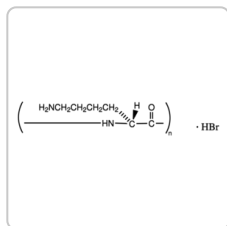
NACRES: NA.75

Référence	Conditionnement	Disponibilité	Prix	Quantité
P7280-5MG	5 MG	✓ Disponible pour expédition le 07 octobre 2022 Détails...	97,00 €	− + i
P7280-5X5MG	5 X 5 MG	✓ Only 6 left in stock (more on the way) Détails...	328,00 €	− + i

Demander une commande en gros

Ajouter au panier

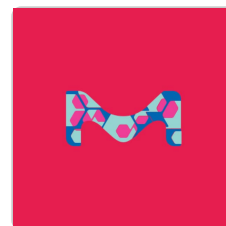
PRODUITS RECOMMANDÉS



Sigma-Aldrich

P6407**Poly-D-lysine hydrobromide**

mol wt 70,000-150,000, lyophilized powder, γ-irradiated, BioReagent, suitable for cell culture

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

P4707**Poly-L-lysine solution**

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

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Niveau de qualité	200
Stérilité	γ-irradiated
Gamme de produits	BioReagent BioXtra
Forme	lyophilized powder
Poids mol.	average mol wt 30,000-70,000
Conditionnement	pkg of 5 X 5 mg pkg of 5 mg
technique(s)	cell culture mammalian: suitable

SolubilitéH₂O: soluble 50 mg/mL, clear, colorless**Expédié(e)s dans**

ambient

Temp. de stockage

-20°C

SMILES stringO=C(C)[C@@](NC)([H])CCCCN.[Br]**InChI**

1S/C6H14N2O2.BrH/c7-4-2-1-3-5(8)6(9)10;/h5H,1-4,7-8H2,(H,9,10);1H

InChI key

MEXAGTSTSPYCEP-UHFFFAOYSA-N

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

Catégories apparentées[Attachment Factors](#)

DESCRIPTION

Application

Poly-D-lysine polymers can be used in preparing surfaces for cell attachment. The D-lysine polymers can also be used with cells that digest poly-L-lysine polymers and cause an excessive uptake of L-lysine.

This product is recommended as a cell culture substratum when using 0.5 - 1.0 mL of a 0.1 mg/mL solution to coat 25 cm². Lower molecular weight versions of the product are less viscous, but high more molecular weight versions provide more attachment sites per molecule.

Actions biochimiques/physiologiques

This product is a nonspecific attachment factor for cells useful in promoting cell adhesion to solid substrates by enhancing electrostatic interaction between negatively charged ions of the cell membrane and the culture surface. After absorption to the culture surface, poly-D-lysine increases the number of positively charged cell binding sites.

Composants

Poly-D-lysine is a positively charged amino acid polymer with approximately one HBr per lysine residue. The hydrobromide allows the poly-D-lysine to be in a crystalline form soluble in water. A small amount of product may be found in the β 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 and is cell culture tested and gamma-irradiated. To remove the HBr, dissolve this product in a neutral buffer and dialyze to remove the salts. 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.

PRODUITS APPARENTÉS

Produit Comparable

P6407

Poly-D-lysine hydrobromide, mol wt 70,000-150,000, lyophilized powder, γ -irradiated, BioReagent, suitable for cell culture

[View Pricing](#)

P4832

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

[View Pricing](#)

P4707

Poly-L-lysine solution, 0.01%, sterile-filtered, BioReagent, suitable for cell culture

[View Pricing](#)

INFORMATIONS SUR LA SÉCURITÉ

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

e.g. 023J5431

Comment saisir un numéro de lot (COO)

Rechercher

Fiche D'informations Produit

[Product Information Sheet - P7280](#)

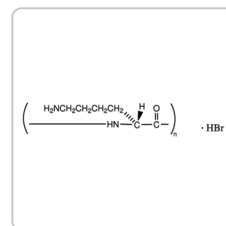
Plus De Documents

[Spectra for FT-IR Raman](#)[Structure Search](#)[FDS](#)

LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Sigma-Aldrich

P8920**Poly-L-lysine solution**0.1 % (w/v) in H₂O[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

P6403**Poly-D-lysine hydrobromide**

mol wt 4,000-15,000

[Consulter le prix et la disponibilité](#)

ARTICLES REVUS PAR DES PAIRS

[A Variant of GJD2, Encoding for Connexin 36, Alters the Function of Insulin Producing \$\beta\$ -Cells.](#)

Valentina Cigliola et al.*PloS one*, 11(3), e0150880-e0150880 (2016-03-10)

Signalling through gap junctions contributes to control insulin secretion and, thus, blood glucose levels. Gap junctions of the insulin-producing β -cells are made of connexin 36 (Cx36), which is encoded by the GJD2 gene. Cx36-null mice feature alterations mimicking those observed

[The cytoplasmic nuclear shuttling of Beclin 1 in neurons with Alzheimer's disease-like injury.](#)

Li Wang et al.*Neuroscience letters*, 661, 63-70 (2017-10-02)

The abnormal expression of the autophagy-related protein Beclin 1 has been implicated in Alzheimer's disease (AD) brains, whereas the precise involvement of Caspase-mediated Beclin 1 cleavage in AD neurons has not yet been fully clarified. In this study, we investigated

Activation of the Orphan G Protein-Coupled Receptor GPR27 by Surrogate Ligands Promotes

Nadine Dupuis et al.

Molecular pharmacology, 91(6), 595-608 (2017-03-21)

G protein-coupled receptors are the most important drug targets for human diseases. An important number of them remain devoid of confirmed ligands. GPR27 is one of these orphan receptors, characterized by a high level of conservation among vertebrates and a

Validation of a Multiparametric, High-Content-Screening Assay for Predictive/Investigative Cytotoxicity: Evidence from Technology Transfer Studies and Literature Review.

Peter James O'Brien et al.

Chemical research in toxicology, 30(3), 804-829 (2017-02-06)

A multiparametric, live-cell, high-content-screening (HCS) cytotoxicity assay was first demonstrated in 2006 (Arch. Toxicol. 2006 , 80 , 580 - 604) to be highly concordant with human hepatotoxicity, including idiosyncratic hepatotoxicities and other target organ toxicities in contrast

Dmrt5, a Novel Neurogenic Factor, Reciprocally Regulates Lhx2 to Control the Neuron-Glia Cell-Fate Switch in the Developing Hippocampus.

Bhavana Muralidharan et al.

The Journal of neuroscience : the official journal of the Society for Neuroscience, 37(46), 11245-11254 (2017-10-14)

Regulation of the neuron-glia cell-fate switch is a critical step in the development of the CNS. Previously, we demonstrated that Lhx2 is a necessary and sufficient regulator of this process in the mouse hippocampal primordium, such that Lhx2 overexpression promotes

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PROTOCOLES ET ARTICLES SCIENTIFIQUES

Articles

Poly-lysine | Poly-D-Lysine | Poly-L-Lysine

Poly-Lysine enhances electrostatic interaction between negatively-charged ions of the cell membrane and positively-charged surface ions of attachment factors on the culture surface. When adsorbed to the culture surface, it increases the number of positively-charged sites available for...

Cancer Stem Cells: Targets for Cancer Therapy

Cancer stem cell media, spheroid plates and cancer stem cell markers to culture and characterize CSC populations.

Extracellular Matrix Proteins and Tools for Cell Culture Optimization

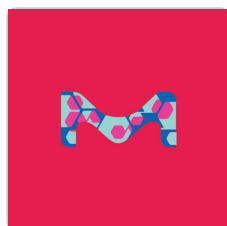
Extracellular matrix proteins such as laminin, collagen, and fibronectin can be used as cell attachment substrates in cell culture.

Protocoles

Poly-L-Lysine Cell Attachment Protocol

Adhere cells to solid substrates using poly-lysine, which enhances electrostatic interaction between negatively charged ions of the cell membrane and the culture surface.

PRODUITS CONSULTÉS RÉCEMMENT

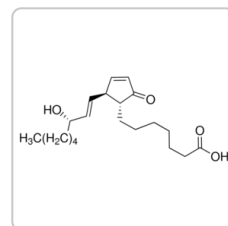


Sigma-Aldrich

P7275

Pyrophosphate reagent
spectrophotometric assay

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

P7265

Prostaglandin A1
synthetic

[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

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