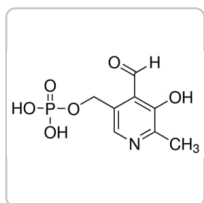


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P3657 ▶ **Sigma-Aldrich.**

Pyridoxal 5'-phosphate hydrate

★★★★★ (0)

powder, BioReagent, suitable for cell culture

Synonyme(s):

3-Hydroxy-2-methyl-5-([phosphonoxy]methyl)-4-pyridinecarboxaldehyde, Codecarboxylase, PLP, Pyridoxal 5-phosphate

Empirical Formula (Hill Notation): $C_8H_{10}NO_6P \cdot xH_2O$ **Numéro CAS:** 853645-22-4**Beilstein:** 234749**Numéro MDL:** MFCD00006333**NACRES:** NA.75**Poids moléculaire:** 247.14 (anhydrous basis)**Numéro EC:** 200-208-3**ID de substance PubChem:** 24898438

Référence	Conditionnement	Disponibilité	Prix	Quantité
P3657-1G	1 G	✓ Only 3 left in stock (more on the way)	Détails... 52,80 €	- + i

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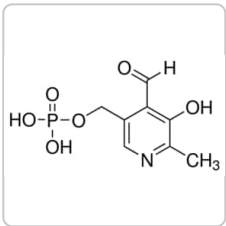
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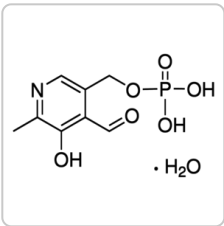


PRODUCTS RECOMMANDÉS



Sigma-Aldrich
P9255
Pyridoxal 5'-phosphate hydrate
≥98%

Consulter le prix et la disponibilité



Sigma-Aldrich
82870
Pyridoxal 5'-phosphate monohydrate
≥97.0% (NT)

Consulter le prix et la disponibilité

PROPRIÉTÉS

Gamme de produits	BioReagent
Niveau de qualité	200
Essai/Dosage	≥98%
Forme	powder
Poids mol.	M _w 247.14 g/mol
technique(s)	cell culture mammalian: suitable
Couleur	off-white to yellow-brown

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Temp. de stockage	-20°C
SMILES string	<chem>CC1=NC=C(COP(O)(O)=O)C(C([H])=O)=C1O</chem>
InChI	1S/C8H10NO6P/c1-5-8(11)7(3-10)6(2-9-5)4-15-16(12,13)14/h2-3,11H,4H2,1H3,(H2,12,13,14)
InChI key	NGVDGCNIFYWLIFO-UHFFFAOYSA-N

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

Catégories apparentées[Vitamins](#)

DESCRIPTION

Description générale

Pyridoxal-phosphate (PLP, pyridoxal-5'-phosphate, P5P) is a prosthetic group of some enzymes. It is the active form of vitamin B6, which comprises three natural organic compounds, pyridoxal, pyridoxamine and pyridoxine. PLP acts as a coenzyme in all transamination reactions, and in some decarboxylation and deamination reactions of amino acids.

Conditionnement

1 g in poly bottle

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[GET YOURS HERE](#)**Produit Comparable****P6280**

Pyridoxine hydrochloride, BioReagent, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture

[View Pricing](#)**INFORMATIONS SUR LA SÉCURITÉ****Code de la classe de stockage**

13 - Non 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**

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e.g. 023J5431

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Certificat d'origine

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Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)

Rechercher

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[Spectra - ATR-IR](#)

[Spectra for FT-IR Raman](#)

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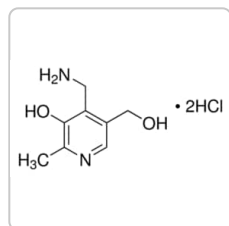
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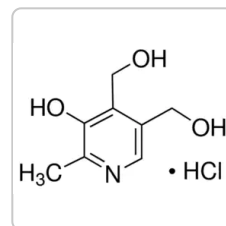
Sigma-Aldrich

P9158

Pyridoxamine dihydrochloride

BioReagent, suitable for cell culture

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

P6280

Pyridoxine hydrochloride

BioReagent, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture

[Consulter le prix et la disponibilité](#)



ARTICLES REVUS PAR DES PAIRS

'Click chemistry' synthesis of a library of 1,2,3-triazole-substituted galactose derivatives and their evaluation against *Trypanosoma cruzi* and its cell surface trans-sialidase.

Ivone Carvalho et al.

Bioorganic & medicinal chemistry, 18(7), 2412-2427 (2010-03-26)

Trypanosoma cruzi trans-sialidase (TcTS) plays a key role in the recognition and invasion of host cells and in enabling the parasite to escape the human immune response. To explore this potential drug target, we have synthesized a small library of

The *Drosophila* Pericentrin-like-protein (PLP) cooperates with Cnn to maintain the integrity of the outer PCM.

Jennifer H Richens et al.

Biology open, 4(8), 1052-1061 (2015-07-15)

Centrosomes comprise a pair of centrioles surrounded by a matrix of pericentriolar material (PCM). In vertebrate cells, Pericentrin plays an important part in mitotic PCM assembly, but the *Drosophila* Pericentrin-like protein (PLP) appears to have a more minor role in

Multifaceted innate immune responses engaged by astrocytes, microglia and resident dendritic cells against *Chikungunya* neuroinfection.

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Diagnostic utility of aquaporin-4 in the analysis of active demyelinating lesions.

Bogdan F G Popescu et al.

Neurology, 84(2), 148-158 (2014-12-17)

To assess, in a surgical biopsy cohort of active demyelinating lesions, the diagnostic utility of aquaporin-4 (AQP4) immunohistochemistry in identifying neuromyelitis optica (NMO) or NMO spectrum disorder (NMOSD) and describe pathologic features that should prompt AQP4 immunohistochemical analysis and AQP4-immunoglobulin

Aralar Sequesters GABA into Hyperactive Mitochondria, Causing Social Behavior Deficits.

Alexandros K Kanellopoulos et al.

Cell, 180(6), 1178-1197 (2020-03-24)

Social impairment is frequently associated with mitochondrial dysfunction and altered neurotransmission. Although mitochondrial function is crucial for brain homeostasis, it remains unknown whether mitochondrial disruption contributes to social behavioral deficits. Here, we show that *Drosophila* mutants in the homolog of

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Articles

Vitamin B6, Pyridoxal and Pyridoxine in Cell Culture

This page segues to comprehensive insights on how Vitamin B6, Pyridoxal and Pyridoxine affect the performance of serum-free, protein-free cell culture systems used for biomanufacturing heterologous proteins including monoclonal antibodies. The page introduces the *in vitro* chemistry and...

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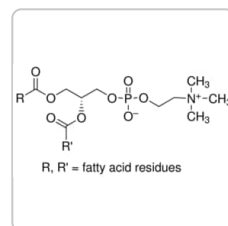


Sigma-Aldrich

P3655

Poly-L-ornithine hydrobromide

mol wt 30,000-70,000



Sigma-Aldrich

P3644

L- α -Phosphatidylcholine

from soybean, Type IV-S, $\geq 30\%$ (enzymatic)

Consulter le prix et la disponibilité

Consulter le prix et la disponibilité

Évaluations



Soyez le premier à donner votre avis sur ce produit

Questions

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