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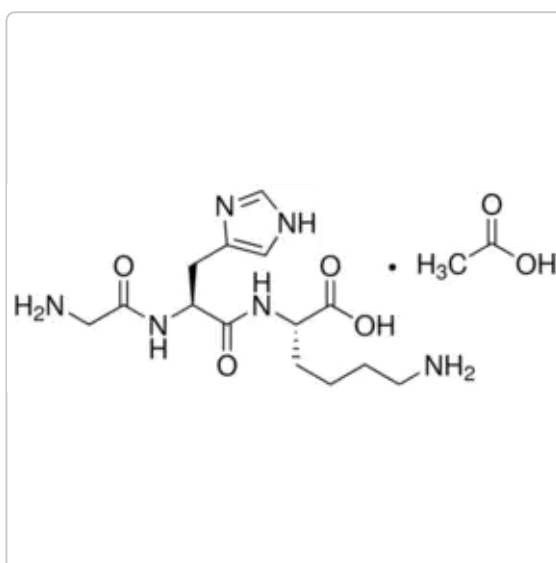


G1887 ▶ **Sigma-Aldrich**

Gly-His-Lys acetate salt

★★★★★ (0)

≥97% (TLC)



[Toutes les photos](#) (1)

Synonyme(s):

Liver cell growth factor

Formule linéaire:

$C_{14}H_{24}N_6O_4 \cdot C_2H_4O_2$

Numéro CAS:

72957-37-0

Poids moléculaire:

400.43

Numéro MDL:

MFCD00012699

ID de substance PubChem:

24894913

NACRES:

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Select an option

Référence

G1887-10MG



10 MG

150,00 €



Disponible pour expédition le 10 octobre 2022 - **De**

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1

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Documents

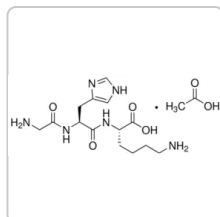
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PRODUITS RECOMMANDÉS



Sigma-Aldrich

G7387

Gly-His-Lys acetate salt

BioXtra, γ -irradiated, suitable for cell culture

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Niveau de qualité

200

Essai/Dosage

≥97% (TLC)

Composition

Peptide content, ~70%

Temp. de stockage

-20°C

SMILES string

CC(O)=O.NCCCC[C@H](NC(=O)[C@H](Cc1c[nH]cn1)NC(=O)CN)C(O)=O

InChI

1S/C14H24N6O4.C2H4O2/c15-4-2-1-3-10(14(23)24)20-13(22)11(19-12(21)6-16)5-9-7-17-8-18-9;1-2(3)4/h7-8,10-11H,1-6,15-16H2,(H,17,18)(H,19,21)(H,20,22)(H,23,24);1H3,(H,3,4)/t10,11-;/m0./s1

InChI key

MGNUTAFMLGJBGV-ACMTZBLWSA-N

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DESCRIPTION

Amino Acid Sequence

Gly-His-Lys

Description générale

Gly-His-Lys is a tripeptide present at ~200ng/ml in association with α-globulin and albumin, in human blood plasma.

Application

Gly-His-Lys (GHK) has been used for the preparation of post-operative intra-articular injection of GHK-Cu (copper).

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- as a model peptide in *N,N*-dimethyl-*N*-methacryloxyethyl-*N*-(3-sulfopropyl)ammonium betaine based capillary electrophoresis separation studies
- as a component of Coon's modified Ham's F-12 medium for culturing Fischer rat thyroid follicular cell line, FRTL-5

Actions biochimiques/physiologiques

Gly-His-Lys (GHK) acetate salt displays affinity towards copper(II) ions. This property enables GHK to modulate the copper intake into cells. GHK is also involved in quenching toxic by-products generated by lipid peroxidation.

Conditionnement

Bottomless glass bottle. Contents are inside inserted fused cone.

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

DOCUMENTATION**Certificat d'analyse**

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

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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)

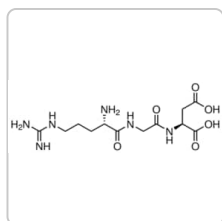
Rechercher

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[FDS](#)

LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Sigma-Aldrich

A8052

Arg-Gly-Asp

≥97% (TLC)

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ARTICLES REVUS PAR DES PAIRS

Tripeptide-copper complex GHK-Cu (II) transiently improved healing outcome in a rat model of ACL reconstruction.

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well-known activator of tissue remodeling. We investigated whether GHK-Cu can improve

Growth-modulating human plasma tripeptide: relationship between molecular structure and DNA synthesis in hepatoma cells.

L Pickart et al.

FEBS letters, 104(1), 119-122 (1979-08-01)

Evaluation on the thyroid disrupting mechanism of malathion in Fischer rat thyroid follicular cell line FRTL-5.

Jingyuan Xiong et al.

Drug and chemical toxicology, 41(4), 501-508 (2017-11-17)

Thyroid hormones are involved in many important physiological activities including regulation of energy metabolism, development of nervous system, maintenance of cerebral functions, and so on. Endocrine-disrupting chemicals (EDCs) that interfere with thyroid functions raise serious concerns due to their frequent

Control of electroosmotic flow and wall interactions in capillary electrophoresis capillaries by photografted zwitterionic polymer surface layers.

Wen Jiang et al.

Analytical chemistry, 75(11), 2768-2774 (2003-09-02)

A novel capillary with covalently bonded zwitterionic surface modification was prepared by photograft polymerization of the zwitterionic monomer N,N-dimethyl-N-methacryloxyethyl-N-(3-sulfopropyl)ammonium betaine, onto the inner surface of a UV-transparent fused-silica capillary. Although the zwitterionic moieties in the resulting polymeric "tentacles" comprise both

Immobilization of tripeptide growth factor glycyl-L-histidyl-L-lysine on poly(vinylalcohol)-quarternized stilbazole (PVA-SbQ) and its use as a ligand for hepatocyte attachment.

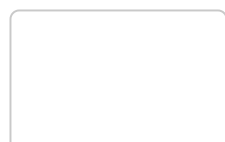
M Kawase et al.

Biological & pharmaceutical bulletin, 22(9), 999-1001 (1999-10-08)

A tripeptide growth factor, glycyl-L-histidyl-L-lysine (GHK), was immobilized on the surface of poly(vinylalcohol)-quarternized stilbazole (PVA-SbQ) gel. The photoreactive substance, 4-(3-trifluoromethylazirino)benzoyl-N-hydroxysuccinimide (TDBA-OSu), was employed to link the gel and ligand GHK. The density of immobilized GHK was 70 nmol/cm². Isolated rat

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PRODUITS CONSULTÉS RÉCEMMENT



Sigma-Aldrich

G1881

α-Glycerophosphate Dehydrogenase-Triosephosphate Isomerase from rabbit muscle

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