

Product Data Sheet

Product Name: Copper tripeptide

Cat. No.: GC39702

Chemical Properties

Cas. No. 89030-95-5

Formula $C_{14}H_{22}CuN_6O_4$

M.Wt 401.9

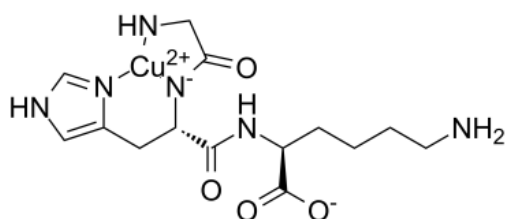
Solubility Soluble in DMSO

Storage -20°C , protect from light

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Copper tripeptide (GHK-Cu), a naturally occurring tripeptide, is first isolated from human plasma, but can be found in saliva and urine. During wound healing, Copper tripeptide may be freed from existing extracellular proteins via proteolysis and serves as a chemoattractant for inflammatory and endothelial cells. Copper tripeptide has been shown to increase messenger RNA production for collagen, elastin, proteoglycans, and glycosaminoglycans in fibroblasts. Copper tripeptide is a Natural Modulator of Multiple Cellular Pathways in Skin Regeneration[1].

[1]. Pollard JD, et al. Effects of copper tripeptide on the growth and expression of growth factors by

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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normal and irradiated fibroblasts. Arch Facial Plast Surg. 2005 Jan-Feb;7(1):27-31.

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