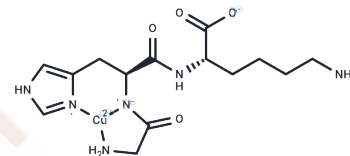


Copper tripeptide

Chemical Properties

CAS No. :	89030-95-5
Formula:	C ₁₄ H ₂₂ CuN ₆ O ₄
Molecular Weight:	401.91
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Copper tripeptide (GHK-Cu) is a naturally occurring copper complex of the tripeptide glycyl-L-histidyl-L-lysine, with a strong affinity for copper(II). First isolated from human plasma, it is also found in saliva and urine.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: 250 mg/mL (622.03 mM), DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4881 mL	12.4406 mL	24.8812 mL
5 mM	0.4976 mL	2.4881 mL	4.9762 mL
10 mM	0.2488 mL	1.2441 mL	2.4881 mL
50 mM	0.0498 mL	0.2488 mL	0.4976 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Pollard JD, et al. Effects of copper tripeptide on the growth and expression of growth factors by normal and irradiated fibroblasts. Arch Facial Plast Surg. 2005 Jan-Feb;7(1):27-31.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481