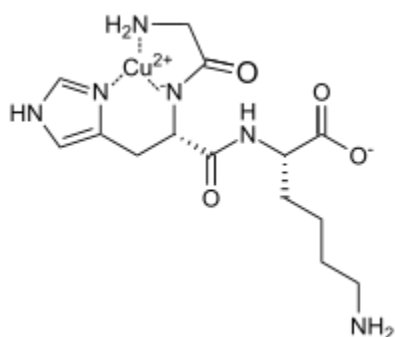




Genemed Synthesis, Inc.

6203 Wood Lake Center Dr., Bldg. 2, San Antonio, TX 78244, USA
Toll free (800) 344-5337; Phone: (210) 745-5988; Fax (210) 745-5992
Email: info@genemedsyn.com, Website: www.genemedsyn.com

Name	Copper peptide
Cat #	PP-1850
Size	1 g, 10 g, 100 g and bulk custom packages
CAS#	89030-95-5
Mol. Mass	742.29
Formula	C ₁₄ H ₂₄ N ₆ O ₄
Sequence	Gly-His-Lys-Cu-xHAc
Purity	>95%



GHK-Cu is widely used in anti-aging cosmetics. Several controlled facial studies confirmed anti-aging, firming and anti-wrinkle activity. It can promote activation of wound healing, attraction of immune cells, antioxidant and anti-inflammatory effects, stimulation of collagen and glycosaminoglycan synthesis in skin fibroblasts and promotion of blood vessels growth. Copper peptide GHK-Cu is a naturally occurring copper complex of a glycyl-L-histidyl-L-lysine peptide. Since it has three amino acids it is called tripeptide. The GHK-Cu tripeptide has strong affinity for copper(II) and was first isolated from human plasma. It can be found also in saliva and urine.

Certificate of analysis

Test	Specification	Result
Appearance	Blue powder	Blue powder
Solubility	Soluble in water	Conforms
Identity by MS (GHK)*	742±1	742.29
Peptide purity	≥95.0%	98.6%
Aminoacid composition	±10% of theoretical	Conforms
Water content (KF)	≤8.0%	Conforms
Conclusion	Qualified	

Rev 160426V