



>>Entry Name: Glycylhistidyllysine

Related CAS Registry Numbers(s): 130120-56-8

H-Gly-His-Lys-OH

Molecular Formula: C₁₄H₂₄N₆O₄

Molecular Weight: 340.381

Accurate Mass: 340.185904

Percentage Composition: C 49.40%; H 7.11%; N 24.69%; O 18.80%

>>Variant: L-L-form

Synonym(s): Growth-modulating factor. Liver cell growth factor

CAS Registry Number: 49557-75-7

Molecular Formula: C₁₄H₂₄N₆O₄

Molecular Weight: 340.381

Accurate Mass: 340.185904

Percentage Composition: C 49.40%; H 7.11%; N 24.69%; O 18.80%

Biological Source: Isol. from human serum and plasma

Use/Importance: Growth promoter, involved in Cu transport

>>Derivative: Cu(II) complex, diacetate

Synonym(s): Prezatide copper acetate, INN, USAN. Iamin. PC 1020. GHK-Cu

CAS Registry Number: 130120-57-9

Source/Synthesis: Tripeptide-copper complex isol. from human plasma

Use/Importance: Growth factor for differentiated cells. Activates wound healing processes. Immunomodulator

References:

Pickart, L. *et al.*, *Prep. Biochem.*, 1975, **5**, 397, (*isol*)

Tanokura, M. *et al.*, *Biopolymers*, 1976, **15**, 393, (*pmr*)

Schlesinger, D.H. *et al.*, *Experientia*, 1977, **33**, 324, (*synth, struct*)

Kambara, H. *et al.*, *Org. Mass Spectrom.*, 1982, **17**, 67, (*ms*)

Pickart, L., *Methods Enzymol.*, 1987, **147**, 314, (*rev*)

Iwai, M., *CA*, 1989, **110**, 39348, (*synth*)

Maquart, F.X. *et al.*, *J. Clin. Invest.*, 1993, **92**, 2368, (*Cu deriv, bibl, use*)