>>**Entry Name: Glycylhistidyllysine**

Related CAS Registry Numbers(s): 130120-56-8
H-Gly-His-Lys-OH

Molecular Formula: $C_{14}H_{24}N_6O_4$
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: $C_{14}H_{24}N_6O_4$
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)*