
Product Data Sheet

Product Name: Gly-His-Lys acetate salt

Cat. No.: GA23142

Chemical Properties

Cas. No. 72957-37-0

Formula $C_{16}H_{28}N_6O_6$ M.Wt 400.43

Solubility Soluble in water (50 mg/ml). Storage Store at -20°C

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

Gly-His-Lys acetate salt is a tripeptide consisting of glycine, histidine, and lysine, which is primarily used in the field of biochemistry and peptide research. This compound is of interest due to its role as a model peptide in the study of copper(II) ion binding, owing to the histidine residue's affinity for metal ions. It is often utilized to investigate the binding kinetics and thermodynamics of peptide-metal interactions, which are relevant to understanding the function of metalloproteins and enzymes. Additionally, Gly-His-Lys acetate salt is used in the exploration of wound healing processes, as it is a key component in the investigation of collagen synthesis and tissue repair mechanisms. The acetate salt form of this compound improves its stability and solubility, making it suitable for use in aqueous solutions during experimental procedures.

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

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