

Product Data Sheet

Product Name: GHK
Cat. No.: GC43751

Chemical Properties

Cas. No. 49557-75-7

SMILES O=C(N[C@H](C(O)=O)CCCCN)[C@@H](NC(CN)=O)CC1=CN=CN1

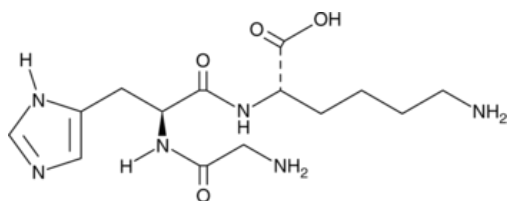
Formula $C_{14}H_{24}N_6O_4$ M.Wt 340.4

Solubility DMSO: 2.5mg/mL, PBS (pH 7.2): 10mg/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

GHK is a peptide released during extracellular matrix (ECM) protein degradation following tissue injury. It binds to copper to form GHK-Cu, a complex with diverse biological activities, including roles in tissue remodeling and wound healing, hair growth, and suppression of inflammation. GHK (1 μ M) increases keratinocyte proliferation in vitro, as well as the number of cells positive for the keratinocyte stem cell marker p63 and the protein levels of integrin α 6 and β 1 in a skin equivalent model. It also reduces infiltration of inflammatory cells and decreases TNF- α and IL-6 protein levels in bronchoalveolar lavage fluid (BALF) in a mouse model of pulmonary fibrosis induced by bleomycin.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA