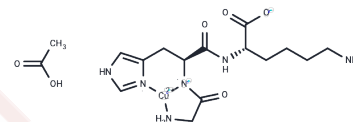


## GHK-Cu acetate

## Chemical Properties

CAS No. :	300801-03-0
Formula:	C <sub>14</sub> H <sub>22</sub> CuN <sub>6</sub> O <sub>4</sub> ·C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>
Molecular Weight:	462
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	GHK-Cu acetate, a complex of the tripeptide Gly-His-Lys and a copper(II) ion, exhibits wound healing and anti-inflammatory properties. It enhances fibroblast proliferation, collagen production, and the release of pro-matrix metalloproteinase-2 (MMP-2) and glycosaminoglycans (GAGs), while also increasing decorin expression in rat wound tissue. Furthermore, at a concentration of 10 μM, it reduces levels of reactive oxygen species (ROS), interleukin-6 (IL-6), and tumor necrosis factor-alpha (TNF-α) in LPS-stimulated RAW 264.7 cells. Additionally, GHK-Cu at 10 μg/g mitigates LPS-induced reductions in lung superoxide dismutase (SOD) activity and glutathione (GSH) levels, decreases the accumulation of cells and total protein in bronchoalveolar lavage fluid (BALF), and thus, attenuates acute lung injury in mice.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1645 mL	10.8225 mL	21.645 mL
5 mM	0.4329 mL	2.1645 mL	4.329 mL
10 mM	0.2165 mL	1.0823 mL	2.1645 mL
50 mM	0.0433 mL	0.2165 mL	0.4329 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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