



AHK-Cu 100 Mg Copper Peptide Research

Our Product Introduction

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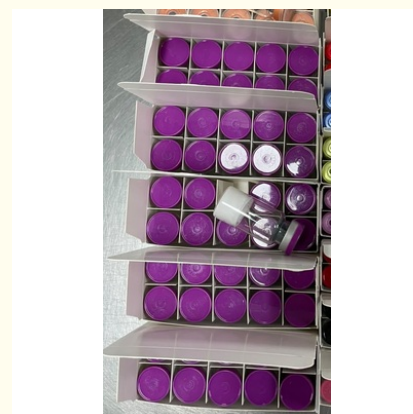
Basic Information

- Place of Origin: China
- Brand Name: Hongbaiyi
- Certification: COA, HPLC MR
- Model Number: HBY-AHK-Cu
- Minimum Order Quantity: 5 boxes
- Price: 50 mg \$30/ box (MOQ 5 boxes)
- Packaging Details: 50mg*10vials 1000mg*10vials 10vials/box
- Delivery Time: 3-5 work days
- Payment Terms: T/T, Western Union, Ali trade assurance
- Supply Ability: 20000boxes/permonth



Product Specification

- Name: AHK-Cu
- CAS Number: 682809-81-0
- Molecular Formula: $C_{15}H_{24}CuN_6O_4$
- Molecular Weight: 415.93
- Purity: >99%
- Specification: 50mg*10vials 1000mg*10vials 10vials/box



More Images



Product Description

What is AHK-Cu ?

AHK-Cu is a copper-binding peptide compound frequently cited in exploratory research involving cellular signaling activity, peptide communication pathways, and research models of copper peptides.

Research Evidence on AHK-Cu and Hair Growth

In the hair follicle experiment, researchers isolated individual hair follicles from human scalp tissue and treated them with varying concentrations of AHK-Cu. The results showed that follicles exposed to AHK-Cu at a concentration of 10^{-9} M (moles per liter) exhibited significantly greater elongation compared to the untreated control group. This effect was dose-dependent within a specific range, with the most pronounced results observed between 10^{-12} M and 10^{-9} M.

Experiments involving dermal papilla cells elucidated the underlying mechanism of action. Cells treated with AHK-Cu proliferated more rapidly than untreated cells; notably, they also exhibited reduced levels of markers associated with apoptosis (programmed cell death). Based on these findings, the researchers concluded that AHK-Cu promotes hair growth through a dual mechanism: stimulating cell proliferation while simultaneously inhibiting cell death.

Specifications

Compound: AHK-Cu

Quantity: 100 mg

Form: Lyophilized powder

Container: 3-mL vial

Storage: Refrigeration is recommended.



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