

Key Feature

Siped[®]GHK-Cu exhibits a broad range of anti-aging, reparative, and protective actions. It can be applied in the formulations of anti-aging, wound healing and skin remodeling.

INCI Glycerin - Water (Aqua) - Butylene Glycol -

CAS 49557-75-7, 130120-57-9

Sequence glycyl-L-histidyl-L-lysine-Cu²⁺

Properties and benefits

GHK-Cu exhibits a broad range of anti-aging, reparative, and protective actions. GHK-Cu can increase production of key skin proteins as well as other important components of dermal matrix. GHK-Cu modulates the skin remodeling process, being able to stimulate both breakdown and synthesis of dermal matrix components.

Applications:

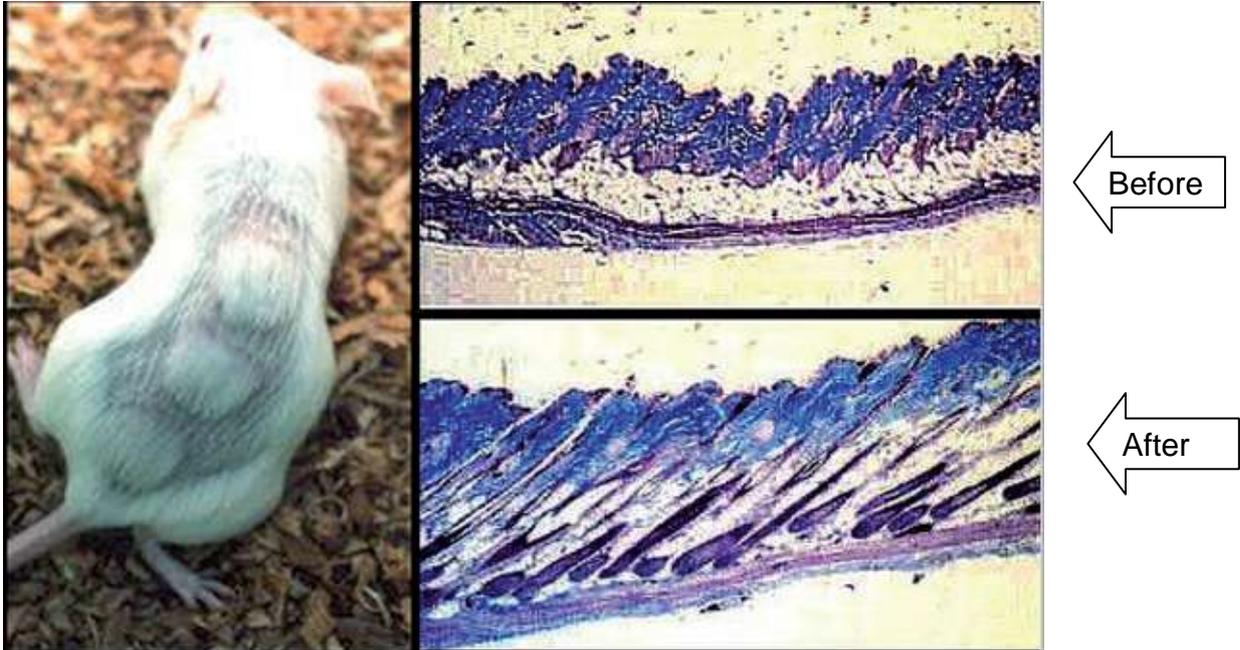
1. Anti-aging topical formulations – slowing down aging, reducing wrinkles;
2. Reducing inflammation and redness in reparative formulations;
3. Sun-protective formulations;
4. Stimulation of Hair Growth.

Specifications:

Appearance	Blue transparent solution
Odour	Characteristic
HPLC+MS	Conform
PH	6.0-7.0
GHK-Cu content	≥ 550 ppm
Cu ²⁺	30-55 ppm
Total Plate Count (cfu/gm)	≤100

Effectation

1 Stimulation on hair growth: A group of 30 day-old mice was shaved and injected intradermally in three spots with GHK-Cu. After 15 days, the growth rate of hair was increased obviously.

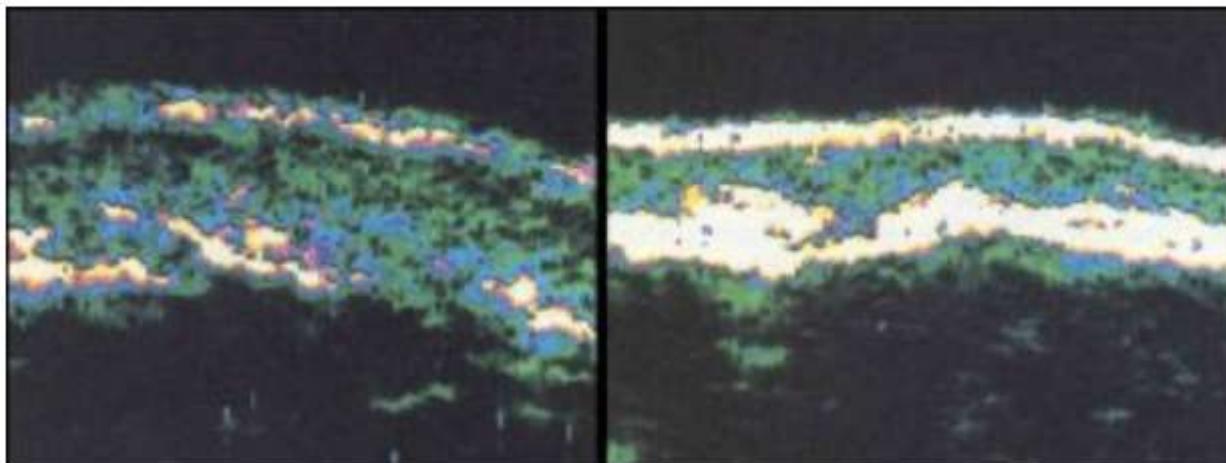


2 Clinical Trials

(1) Effect on anti-inflammation and skin repair: the cream with Siped[®]GHK-Cu was applied on the wounds of diabetes persons who often have slow and inadequate ability to repair skin. Obviously, The patient's wound condition improved significantly. And the Siped[®]GHK-Cu can reduce the inflammation and redness, and repair the skin



(2) Effect on skin renewal: 20 female volunteers aged from 40-50 applied a cream with Siped[®]GHK-Cu on face skin for 4 weeks. And then the skin is scanned with ultrasound.



Before

After

Recommended use level

3 to 8%

Formulation Tips

- 1 Incorporated in cosmetic formulations at room temperature.
- 2 Can be compatible with carbomer, but are not compatible with chelating agents

Package

5Kg/ tin

Storage

Siped[®]GHK-Cu remains stable for 2 years when stored at room temperature and sealed.

Silat Biochemical Ltd.

Room 1138, 2th Building , LvdiHuichuang international square,NO.6 Kexing Road, Baiyun District, Guangzhou, GuangDong, China.

Tel: (86)-20-36261697 36261977

www.silat-group.com

Fax: (86)-20-36261697 36261692

E-mail: silat@silat-group.com