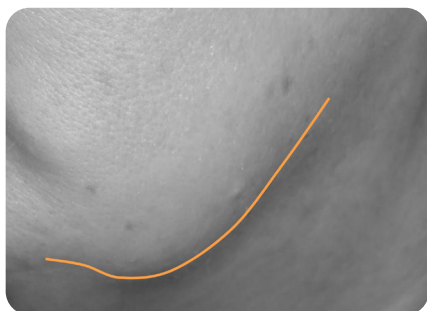




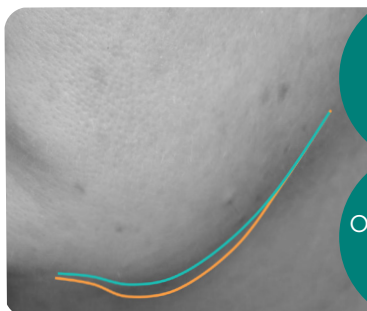
CycloRetin™

Activating Ageless Beauty

Before



After 4 weeks



x5
vs. placebo

Outperforms
bakuchiol

CycloRetin™ 0.3%
Sagging: -17.2%

Sagging skin is lifted for an anti-gravity effect

Skin-friendly beauty: performance without compromise

The skincare industry is shifting towards gentler, more natural solutions that don't compromise on performance. As skin sensitivity becomes a growing concern, traditional anti-aging ingredients like retinol face challenges due to their irritating effects. **CycloRetin™** emerges as an innovative solution, offering retinol's benefits without irritation. Based on a unique cyclic peptide, it outperforms alternatives like bakuchiol in addressing skin sagging and matches retinol's effectiveness in reducing wrinkles, all while being gentler on the skin. With adaptogen prince ginseng from enchanting Chinese mountains, **CycloRetin™** harnesses the skin-regenerating powers of its unique cyclic peptide. This combination represents a new approach to skincare that aligns with modern consumers' desire for performance without any compromise.

BENEFITS

- Embraces youthful-looking skin through firmness, radiance, tightened and smoothed skin
- Natural and non-irritating retinol alternative
- Rivals bakuchiol's & retinol's anti-aging effects

MECHANISM OF ACTION

- Stimulates 7 targets of retinoid metabolism
- 3x more collagen than bakuchiol
- Improves skin matrix organization better than retinol (SPARC, collagen I, fibrillin I)
- Reinforces epidermis framework

ORIGIN

Adaptogenic-derived extract titrated in natural cyclic peptide

INCI NAME

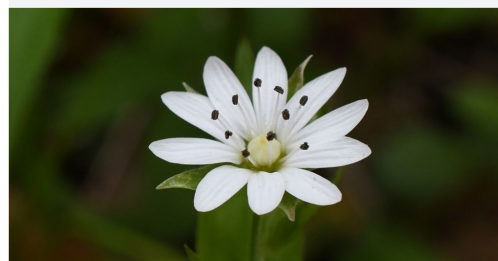
Glycerin (and) Water (and) Pseudostellaria Heterophylla Extract

DOSE

0.3 - 2.5%

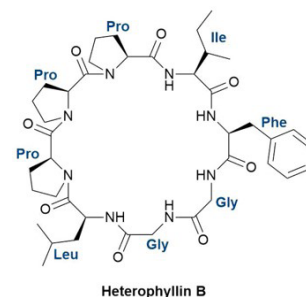
APPLICATION

- Well-aging line for day and night
- Anti-gravity effect
- Skin firmness
- Smoothing action



LUCAS MEYER
COSMETICS
by Clariant

CycloRetin™ leverages the prince ginseng's properties through **heterophyllin B**, a natural cyclic peptide, and activates the age-defying benefits inspired by retinol while being naturally gentle. This unique biomarker is a versatile compound that allows CycloRetin™ to provide a broad range of skin benefits. It helps reactivate fibroblast metabolism and boost the expression of genes involved in collagen and elastin synthesis. Additional benefits include bolstered barrier properties and skin hydration pathways, which are essential for maintaining a strong barrier function.



IN VITRO/EX VIVO TESTS

1. Stimulation of retinoid metabolism, like retinol would do

Retinol homeostasis

6 targets

CYP1A1/A2, XDH, ALDH2/9A1, DHRS3

Retinol receptor

+22%

RAR γ (the main RAR receptor in epidermis)

2. Reactivation of skin matrix production and protection of skin mechanical properties

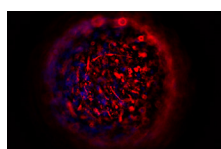
Fibroblast stimulation: **6 targets**

Collagen synthesis & organization : **6 targets**

Elastin synthesis & organization : **4 targets**

+133% Collagen I

- **x3 better** than bakuchiol
- Same as retinol



+99% SPARC protein

3. Improvement of epidermis structure

Barrier function

Up to +108%

ABCA-12, DSG-1, CLDN-1, TGM1

Hydration

Up to +185%

CASP14, FLG

Basement membrane composition

Up to +85%

ITGB4, HSPG2, FBN1

CLINICAL STUDIES

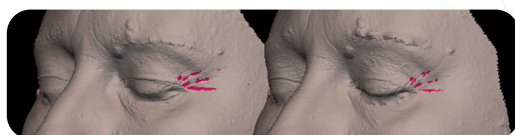
Protocol vs. Bakuchiol

- 34 female volunteers (22 placebo and 12 Bakuchiol) aged between 45 and 65 years old
- Application of a 0.3% CycloRetin™ cream or placebo and a 0.5% Bakuchiol cream on split-face 2x/day for 56 days
- Evaluation of skin firmness (RO parameter, cutometer), sagging effect (scorage) and luminosity (L* lightness value, colorimetry)

Protocol vs. Retinol

- 13 female volunteers aged between 45 and 65 years old
- Application of a 1% CycloRetin™ cream or 0.3% Retinol cream on split-face 2x/day for 28 days
- Evaluation of dermis density, global wrinkles and crow's feet wrinkles (AEVA)

CycloRetin™ 0.3%



D0

D28

APPEARANCE OF WRINKLES

-5.1% after D14, -7.1% after D28
As effective as and faster than retinol

RADIANCE

x 9.5 times better than placebo
As efficient as bakuchiol

FIRMNESS

+12.6% after D28, +19% after D56
As efficient as bakuchiol

SAGGING

-10.7% after D28
x 1.4 times higher than bakuchiol

Wrinkles are smoothed after just 2 weeks

Skin is firmer and brightened, and facial contours are sculpted after 4 weeks

This brochure is not intended for consumers and neither this brochure nor any excerpt thereof shall be used to commercialize products to consumers. No drawing, photograph or other excerpt derived from this brochure shall be used by any person without our prior written approval. In addition, no claim with respect to the ingredient referred to in this brochure shall be made by any person without our prior written approval, even though the claim is set forth in this brochure. The person using the ingredient referred to in this brochure in the formulation of finished products is solely responsible for ensuring that the use made of the ingredient, the finished products marketed to consumers, their packaging, labeling and advertising materials and the claims made with respect to the finished products and the ingredient comply with all applicable laws and regulations. We hereby disclaim any guarantee of suitability of the ingredient referred to in this brochure for any purpose. Any prospective user of the ingredient shall determine the suitability of the ingredient for their intended use and, as the case may be, obtain the required regulatory approvals for the commercialization of their finished products.

LUCAS MEYER
COSMETICS
by Clariant

www.lucasmeyercosmetics.com