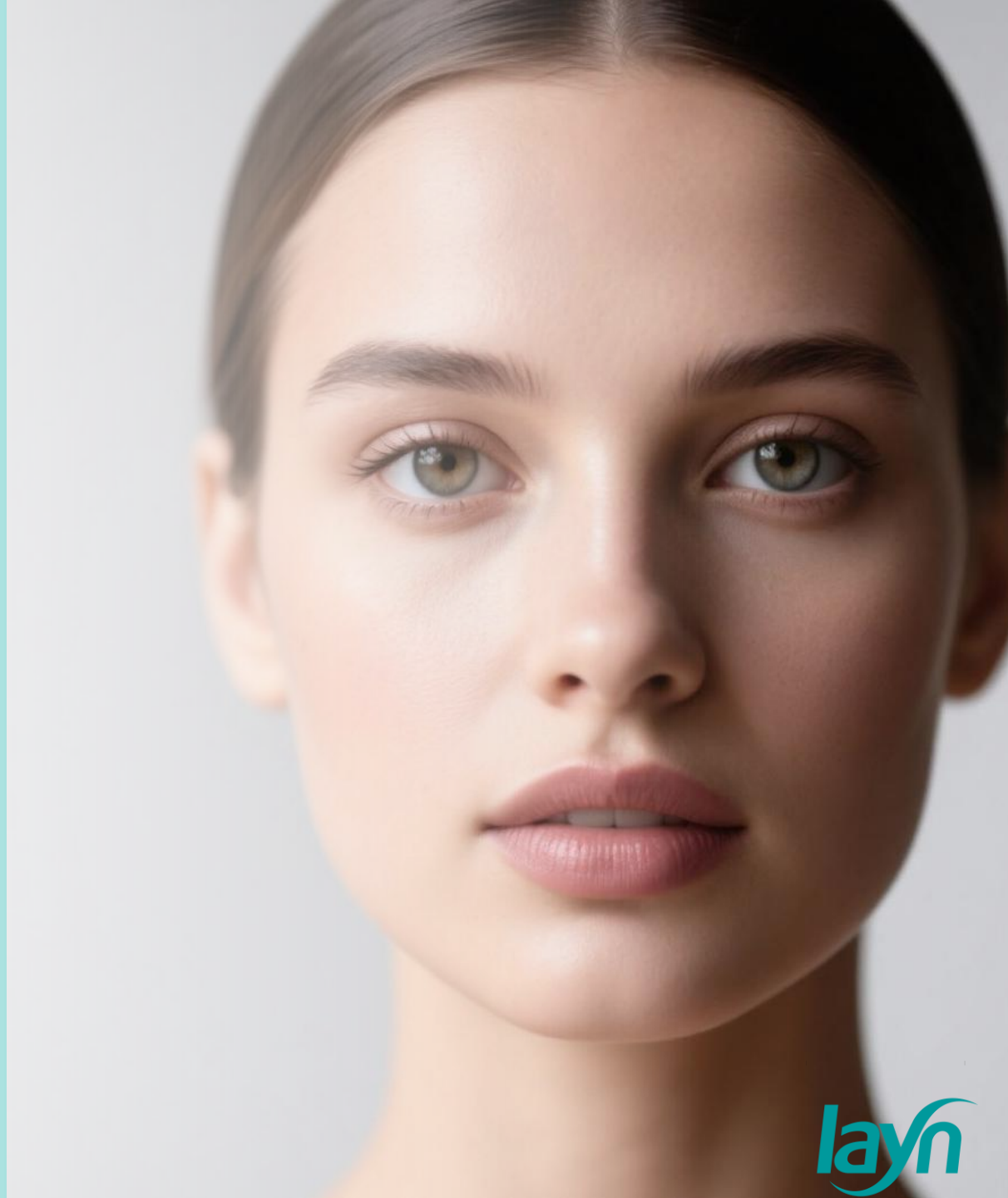


# SteviC™

**Premium Botanical  
Rejuvenation:**

**Rediscover Youth!**





**01**

***Development Background***

**02**

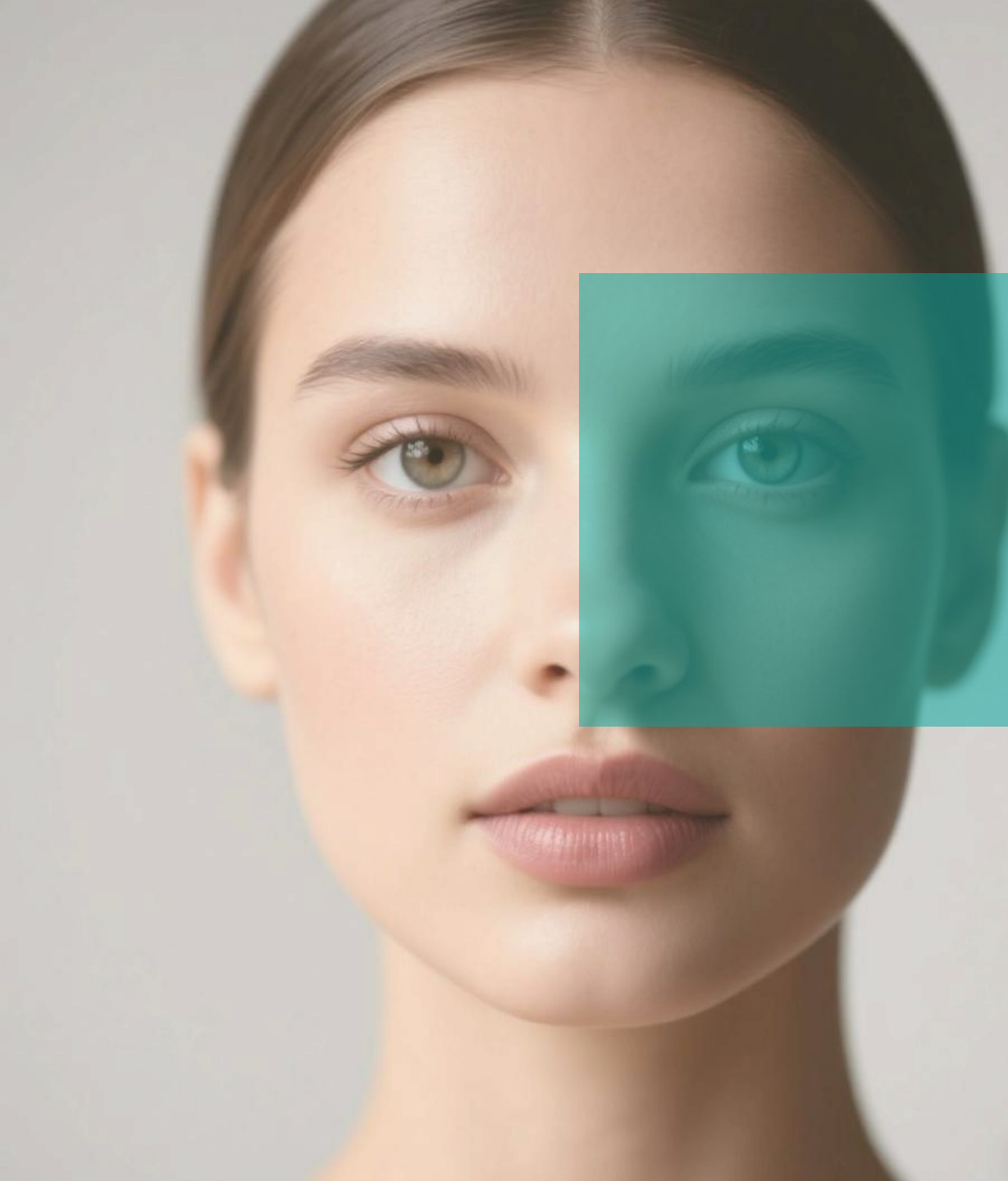
***Product Introduction***

**03**

***Efficacy Verification***

**04**

***Applications & Summary***



**01**

***Development Background***

# The Anti-Aging Health Market: Experiencing Explosive Growth!

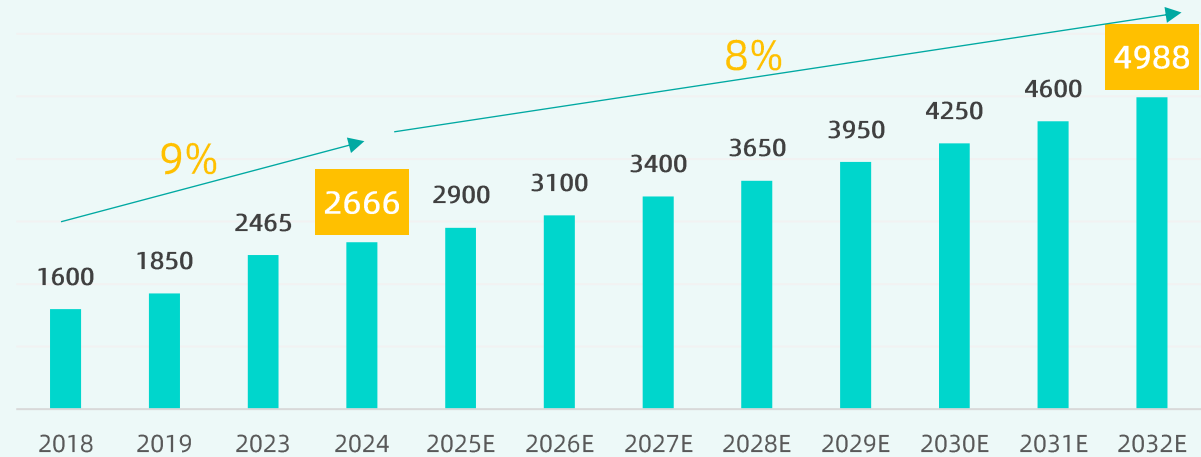
## Global Market

2024  
**\$266.6 Billion**

CAGR  
**8%**

2032  
**\$498.8 Billion**

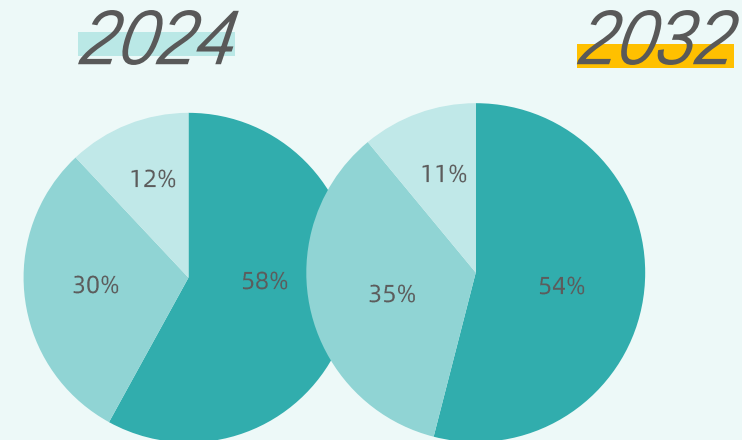
Market size of Global Anti-Aging Industry in 2018-2032 (Billions of USD)



■ Skincare Products

■ Hair Care Products

■ Dietary Supplement and Photoelectric Medical Aesthetics



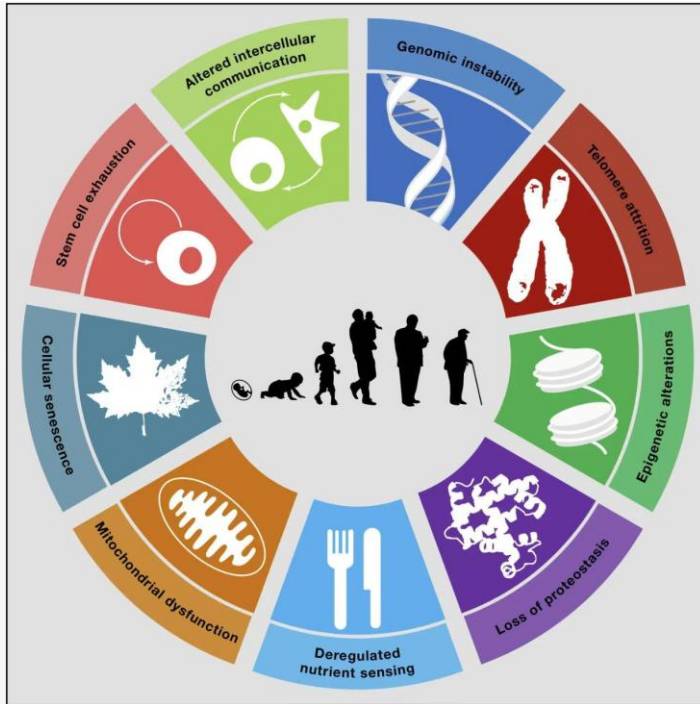
Market Share of Various Anti-Aging Products

# Evolving Hallmarks of Aging!

**NEW!**

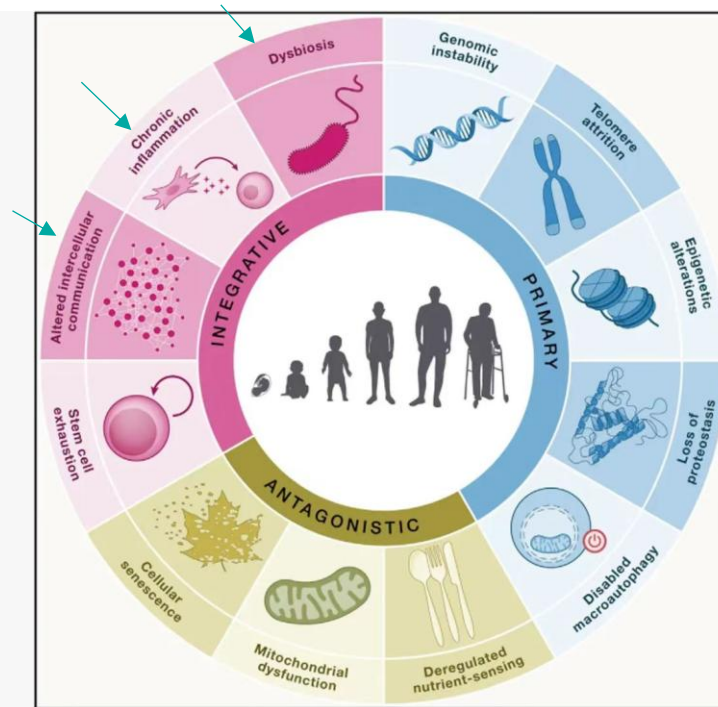
2013 The Nine Hallmarks of Aging

«The Hallmarks of Aging»



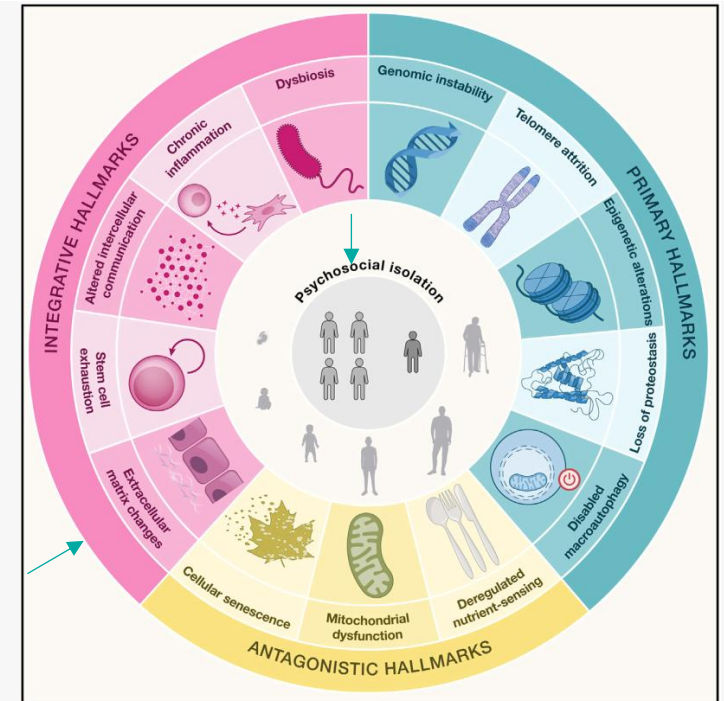
2023 The Twelve Hallmarks of Aging

«Hallmarks of aging: An expanding universe»



2025 The Fourteen Hallmarks of Aging

«From geroscience to precision geromedicine: Understanding and managing aging»

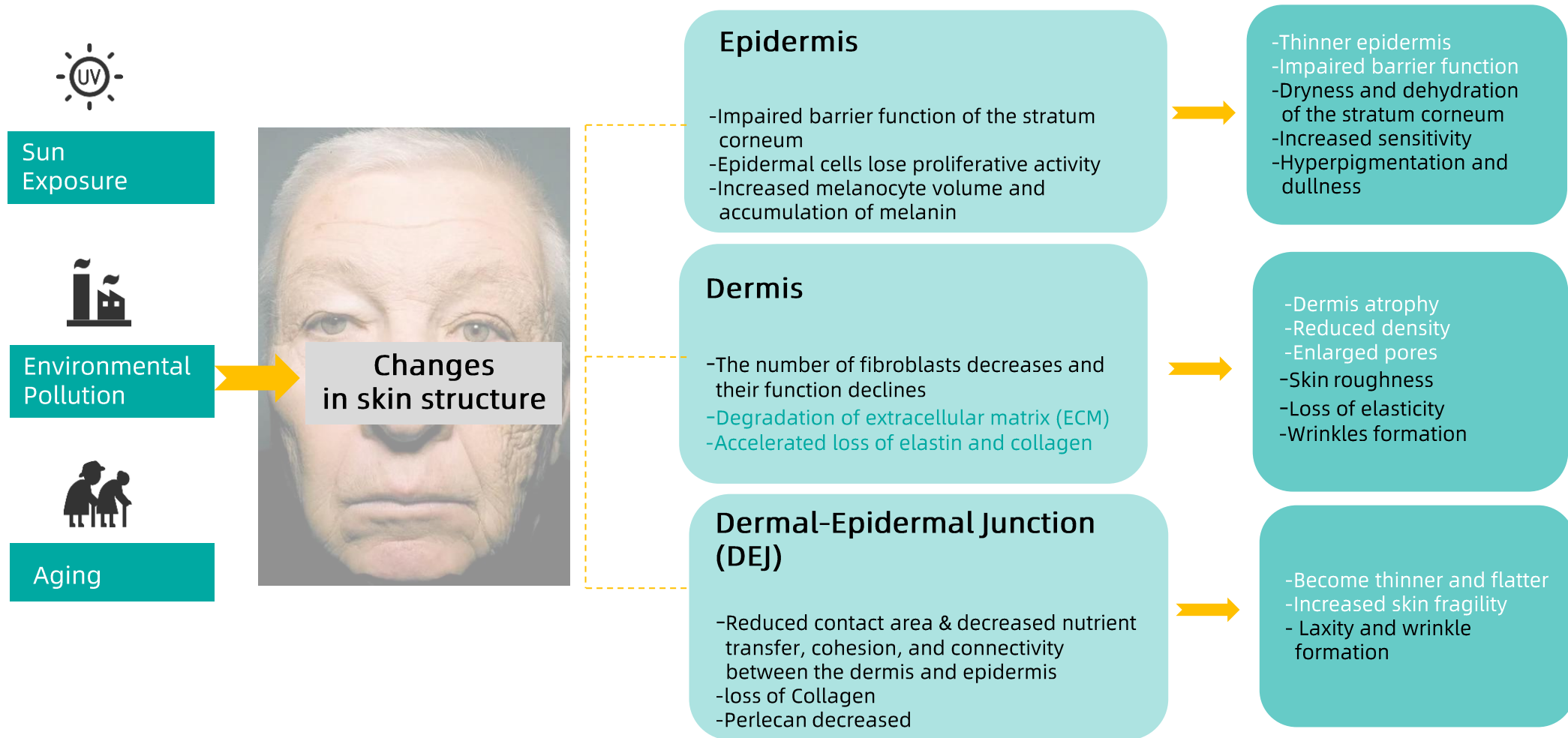


## New Hallmark

- Extracellular Matrix Changes (ECM)
- Psychosocial Isolation

Driving innovative development of novel ingredients!

# Factors and Manifestations of Skin Aging

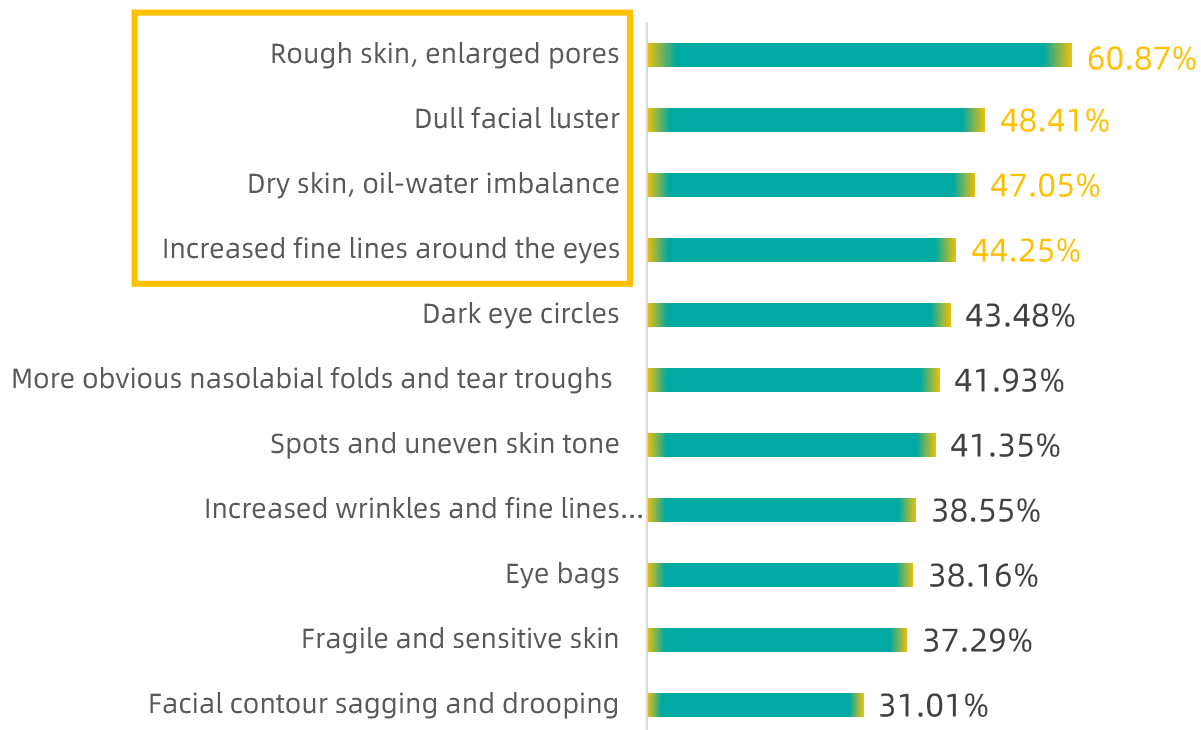


## The Seven Key Signs of Skin Aging:

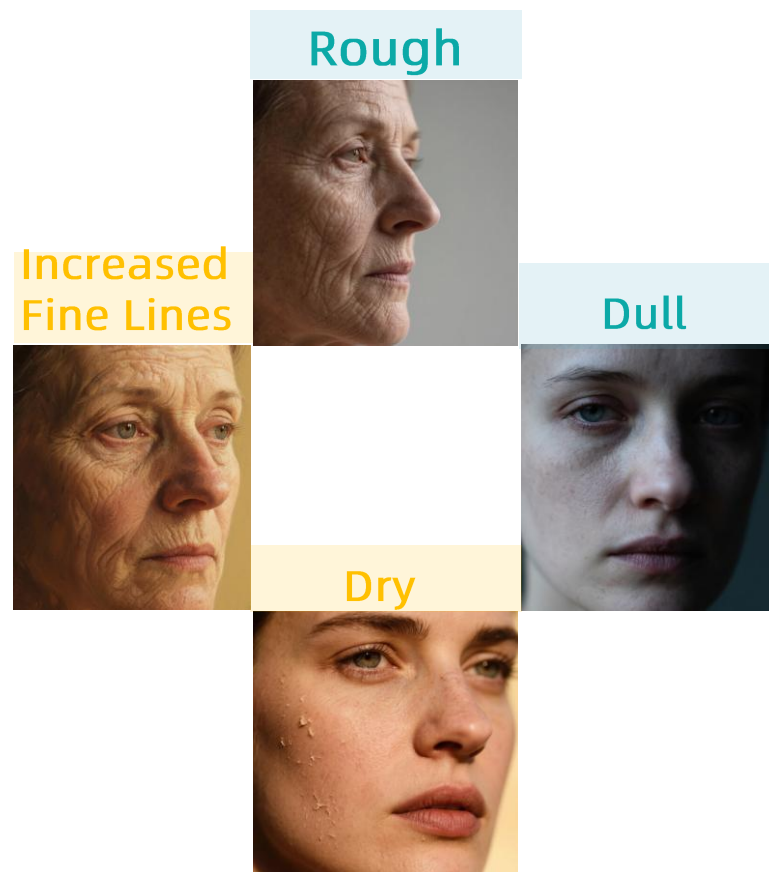
**Dryness, Roughness, Dullness, Laxity, Loss of Elasticity, Wrinkles, and Increased Sensitivity!**

# Consumers' Skincare Concerns Regarding Skin Aging

## Skin Aging-Related Concerns



## Top Four Concerns!



# Common Anti-Aging Ingredients

	Name	Function Mechanism	Source	
1	Retinol	-Promotes keratinocyte metabolism, -Stimulates collagen synthesis and inhibits MMPs, -Increases hyaluronic acid synthesis.	Primarily Chemical Synthesis (&Synthetic Biology)	
2	Pro-Xylane	-Mainly promotes the synthesis of glycosaminoglycans and proteoglycans.		
3	Peptides	Reduces the release of acetylcholine, Prevents the binding of acetylcholine to acetylcholine receptors, consequently, inhibits muscle contraction.		
4	Others	Acmella Oleracea Extract	Inhibits neural signal transmission, prevents muscle contraction.	Plant Extraction
		Spilanthes Acmella Flower/Leaf/Stem Extract	Targets muscle relaxation.	
		Zanthoxylum Bungeanum Fruit Extract	By inhibiting the Na <sup>+</sup> and K <sup>+</sup> channels, blocking neural signal transmission, and relaxing the muscle.	

Alternative ←

## BOTOX

By disrupting the SNAP-25 protein in the SNARE complex, blocking the release of acetylcholine, leading to muscle paralysis and inability to contract.

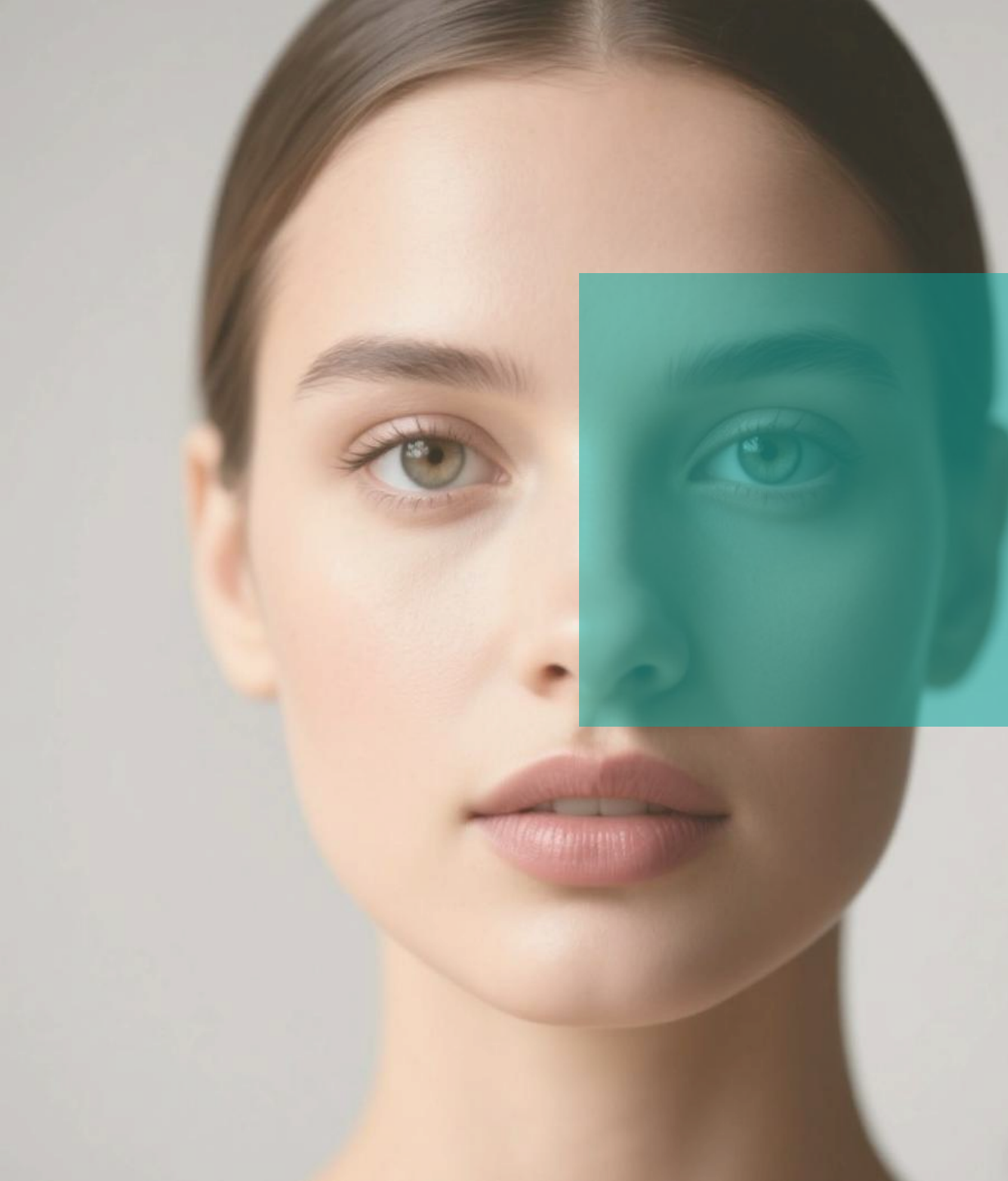
However, excessive muscle paralysis can lead to facial paralysis! !

# Innovative Anti-Aging Ingredient

- ✓ Simultaneously Addressing:  
7 Key Signs of Skin Aging & 4 Major Concerns of Consumers?
- ✓ Precisely Targeting the New Hallmark of Aging-ECM?
- ✓ Innovative & Clear Mechanism of Action?
- ✓ Human Efficacy Verification by Authoritative Institutions?
- ✓ Instantly & long-lasting Dual Effects?
- ✓ Supported by Award-Winning Innovative Patent?
- ✓ Natural Plant-derived?



*Rediscover Youth!*



**02**

***Product Introduction***

# Product Introduction

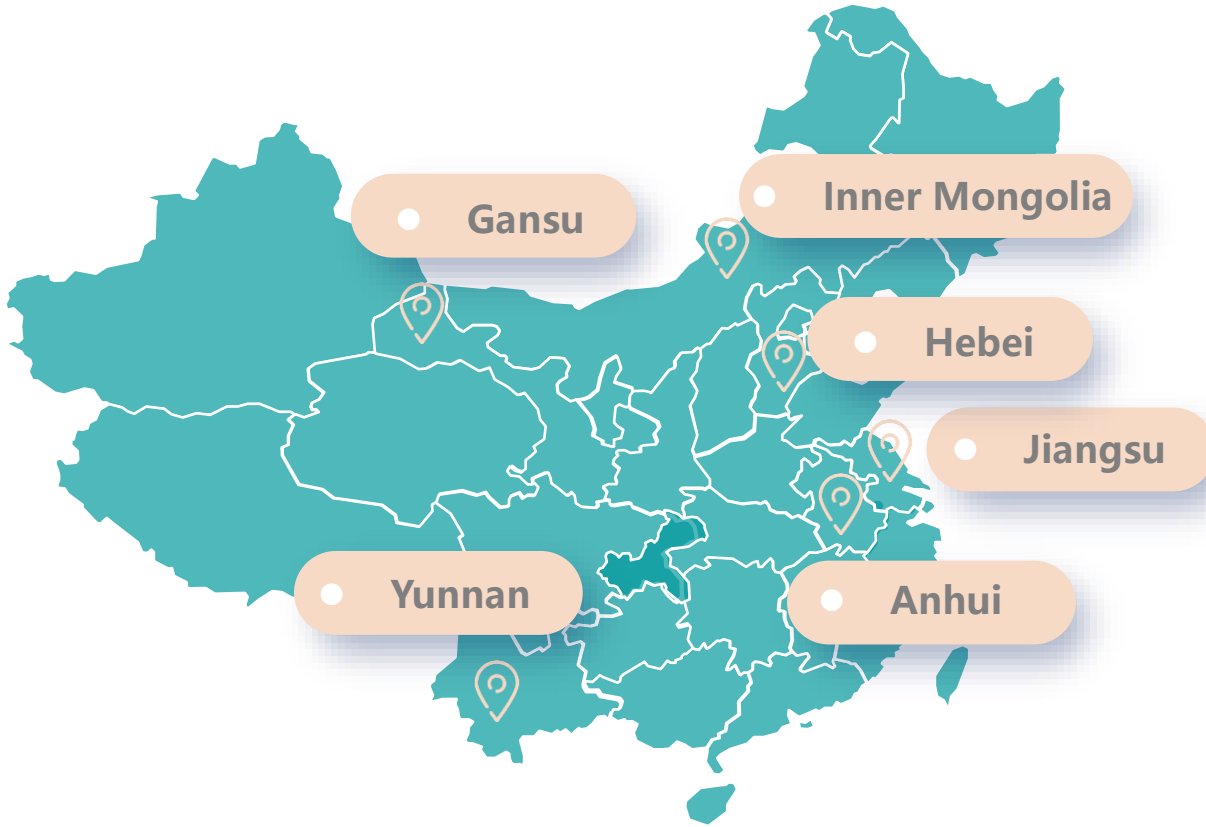


## Stevia

- Latin Name: *Stevia rebaudiana*
- Kingdom: Plantae
- Phylum: Angiospermae
- Class: Magnoliopsida
- Order: Asterales
- Family: Asteraceae
- Genus: *Stevia*

Product Name	SteviC™
Source	Botanical Origins
Appearance	White to Off-White Powder
Solubility	Water-Soluble
Dosage	0.3-1.0%
Efficacy	Firming & Anti-Wrinkle, Soothing, Moisturizing, Brightening
Application	<b>Instant &amp; Emergency</b> Care, Anti-Aging, Soothing, Moisturizing, Brightening etc. products Such as: Creams, Lotions, Serums, <b>Pads</b> , and Masks

# Product Highlights of Layn



Selected Origin

Innovative Patent

Intelligent Manufacturing

Chairman Unit of China Stevia Association

2025

Awarded the "25th China Excellent Patent Award"

## FSA

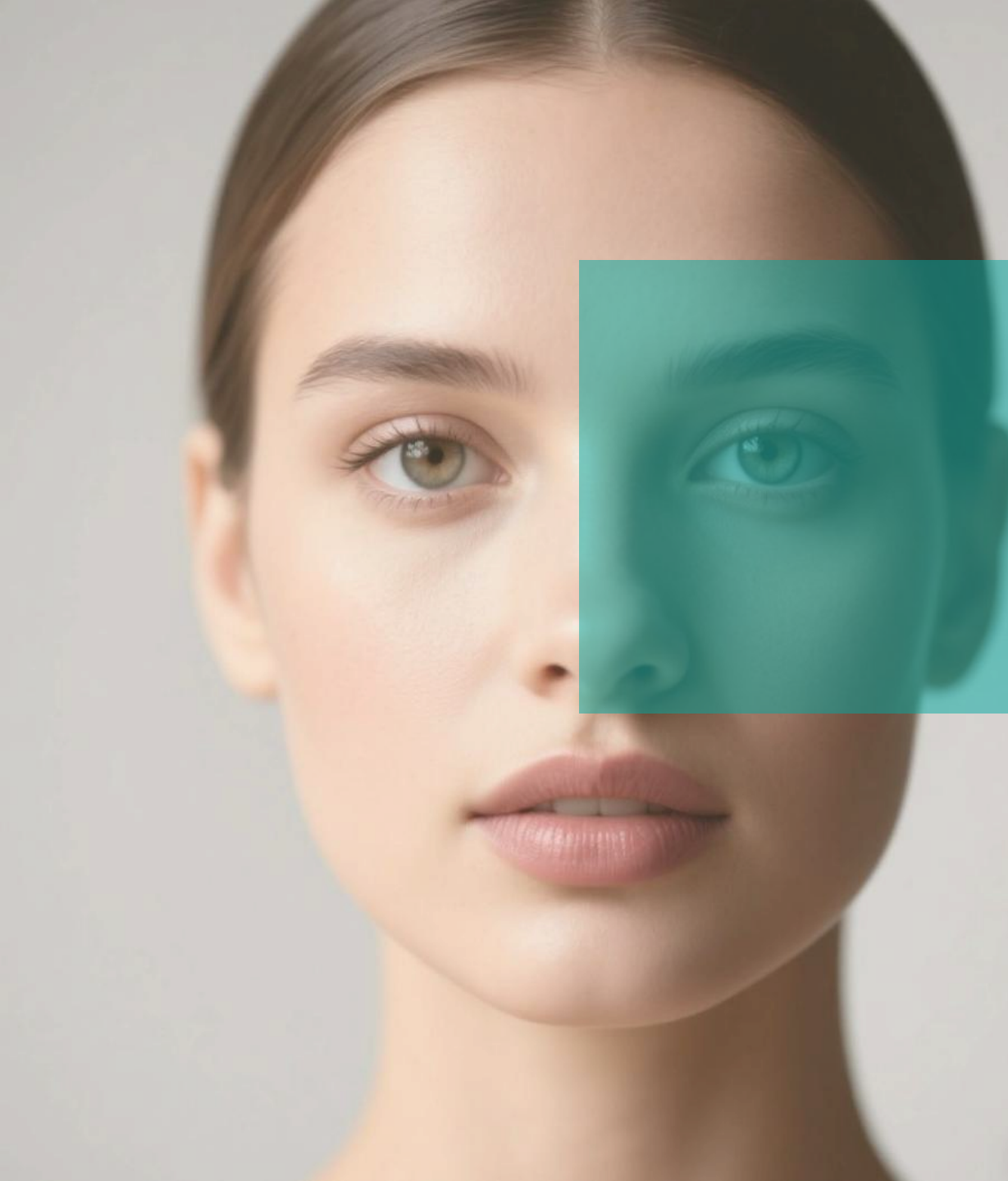
### Farm Sustainability Assessment



## SGS

Verified Efficacy  
An Independent Third-Party  
Authoritative Institution





**03**

***Efficacy Verification  
(in vivo & in vitro)***

# Moisturizing (in vivo)

## Method:

- Thirty-two volunteers were recruited to apply basic cream containing 0.3%、1.0%SteviC™ every morning and evening to each side of the face separately (Sample1 & 2: 0.3% & 1.0%), and the moisturizing, brightening, firming& anti-wrinkle effects of the samples were evaluated at baseline and multiple time points after application (e.g., 15min, 2h, 8h, 14D, 28D).
- Corneometer CM825: Measuring skin hydration



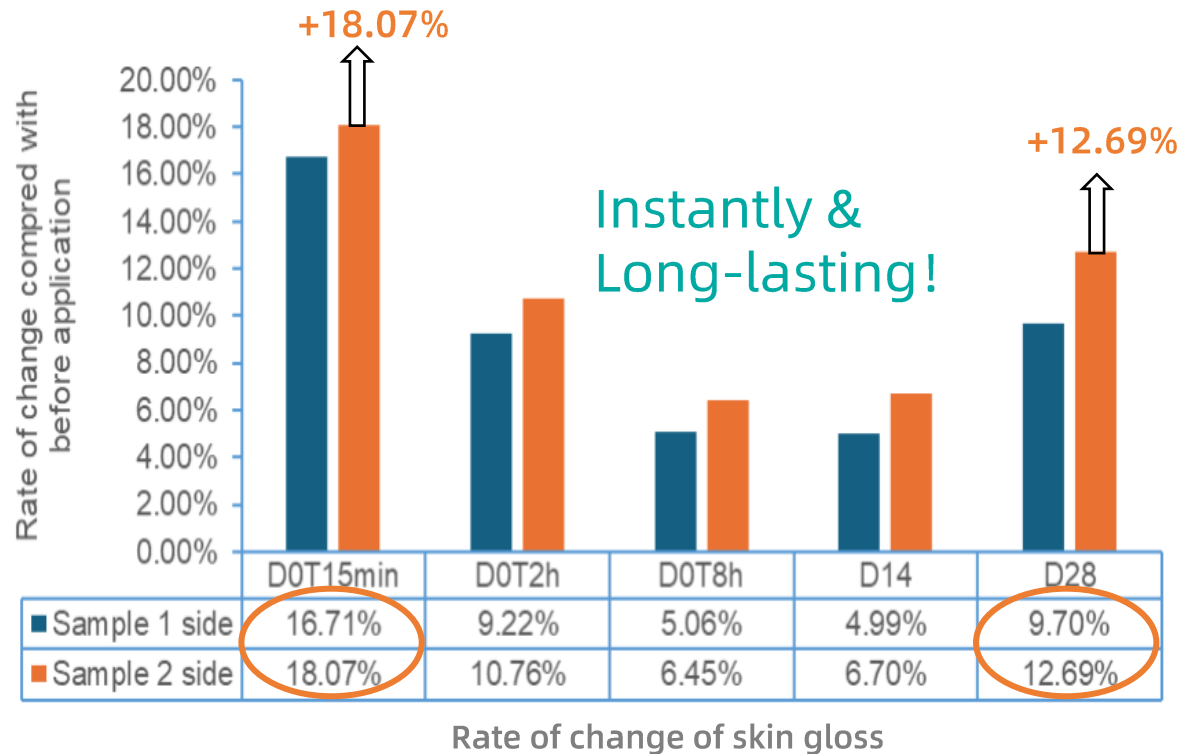
## Conclusion:

- After application, skin hydration was significantly increased at different time points.
- Moisturizing effect:  
1.0% SteviC™ formulation > 0.3% SteviC™ formulation.
- 15min, +54.75% Instantly!  
28D, +26.25% Long-lasting!

# Brightening (in vivo)

## Method:

- Glossometer® GL200: Measuring facial skin gloss.
- Larger measurements indicate an improved skin gloss.



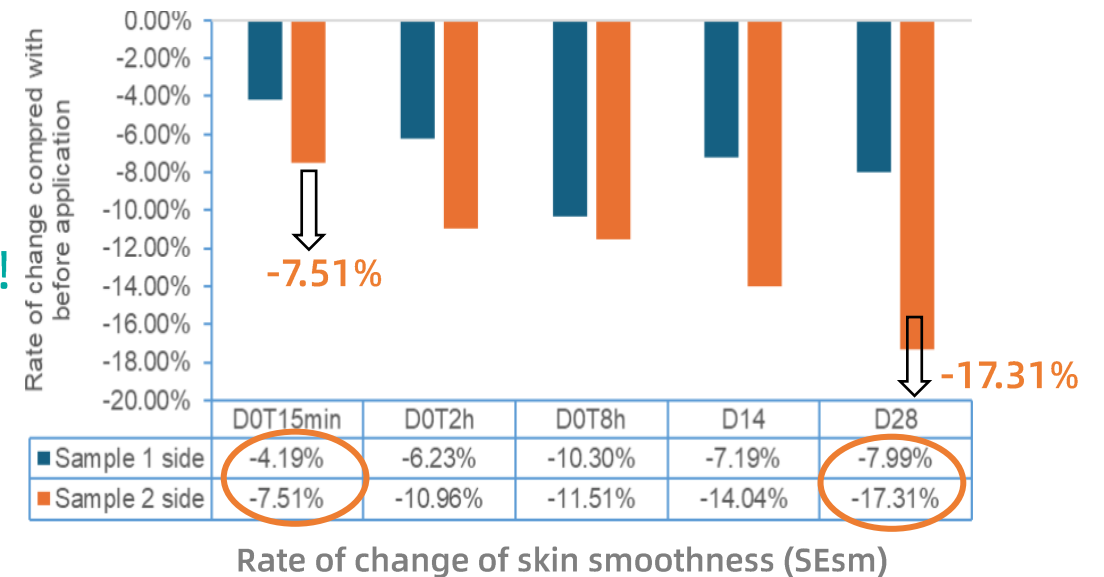
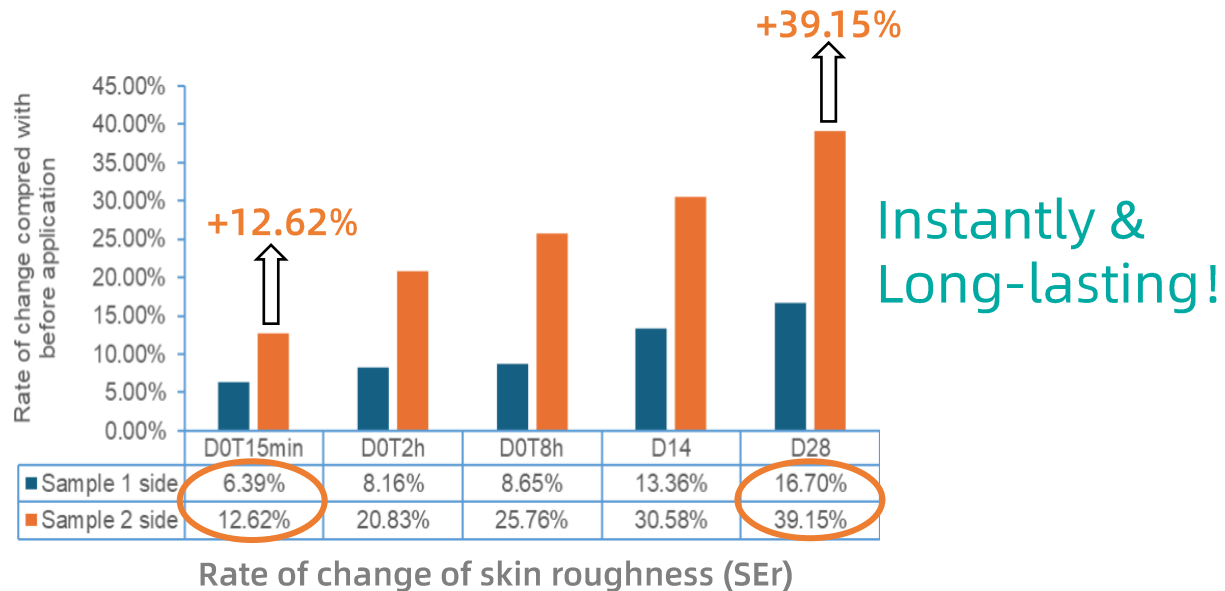
## Conclusion:

- After application, skin gloss was significantly increased at different time points.
- Brightening effect:  
1.0% SteviC™ formulation > 0.3% SteviC™ formulation.
- 15min, +18.07% Instantly!  
28D, +12.69% Long-lasting!

# Skin Roughness(SEr)、Smoothness(SEsm) (in vivo)

## Method:

- Visioscan® VC20plus: Capturing facial images and analysing skin texture.
- Larger analytical values of skin roughness (SEr) indicate an improved skin roughness;  
Smaller analytical values of skin smoothness (SEsm) indicate an improved skin smoothness.



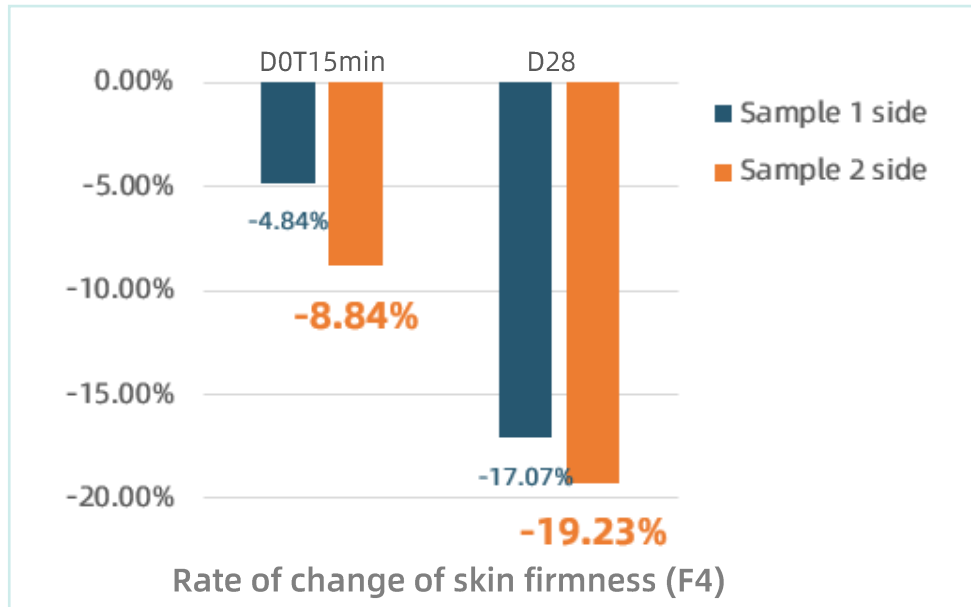
## Conclusion:

- After application, skin roughness(SEr)、smoothness(SEsm) were significantly improved at different time points.
- Improved effect: 1.0% SteviC™ formulation > 0.3% SteviC™ formulation.
- 15min, SEr+12.62%、SEsm-7.51%;  
28D, SEr+39.15%、SEsm-17.31%.

# Skin Firmness (F4) (in vivo)

## Method:

- Cutometer® dual MPA580: Measuring skin firmness and elasticity.
- Smaller measurements of F4 indicate an improved skin firmness;  
Larger measurements of R7, R5 and R2 indicate an improved skin elasticity.



结论:

## Conclusion:

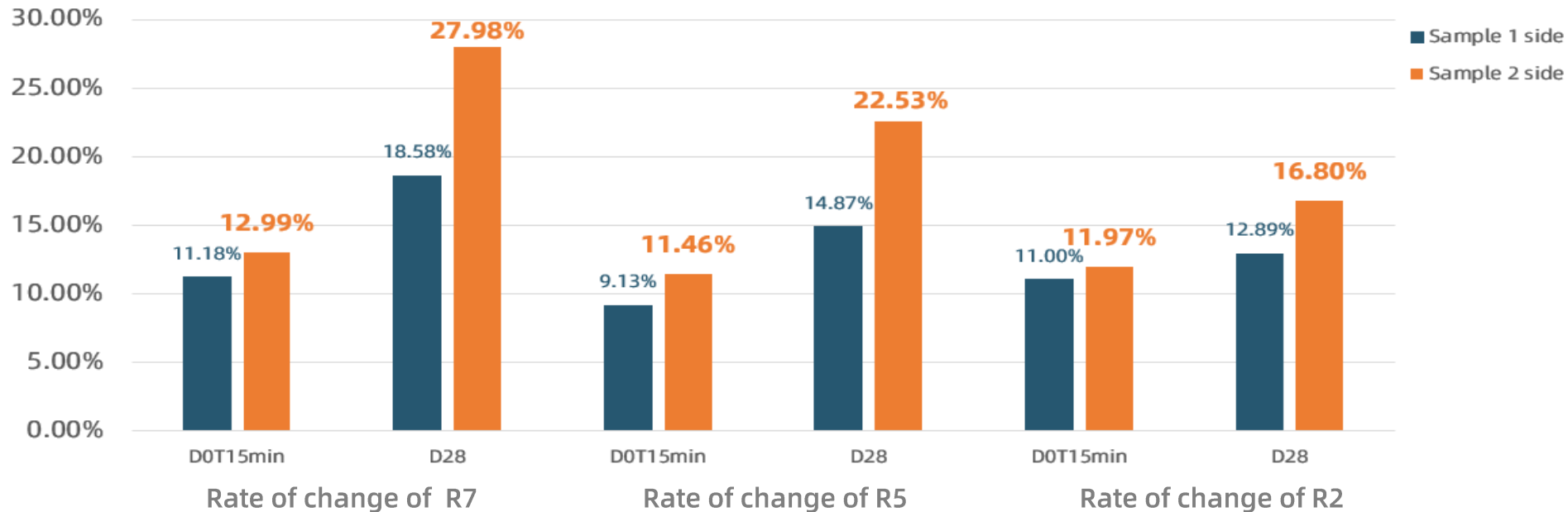
After using the formulation containing 1.0% SteviC™,

- 15 min, F4 -8.84%;  
28D, F4 -19.23%.

# Skin Elasticity (R7, R5, R2) (in vivo)

## Method:

- Cutometer® dual MPA580: Measuring skin firmness and elasticity.
- Smaller measurements of F4 indicate an improved skin firmness; Larger measurements of R7, R5 and R2 indicate an improved skin elasticity.



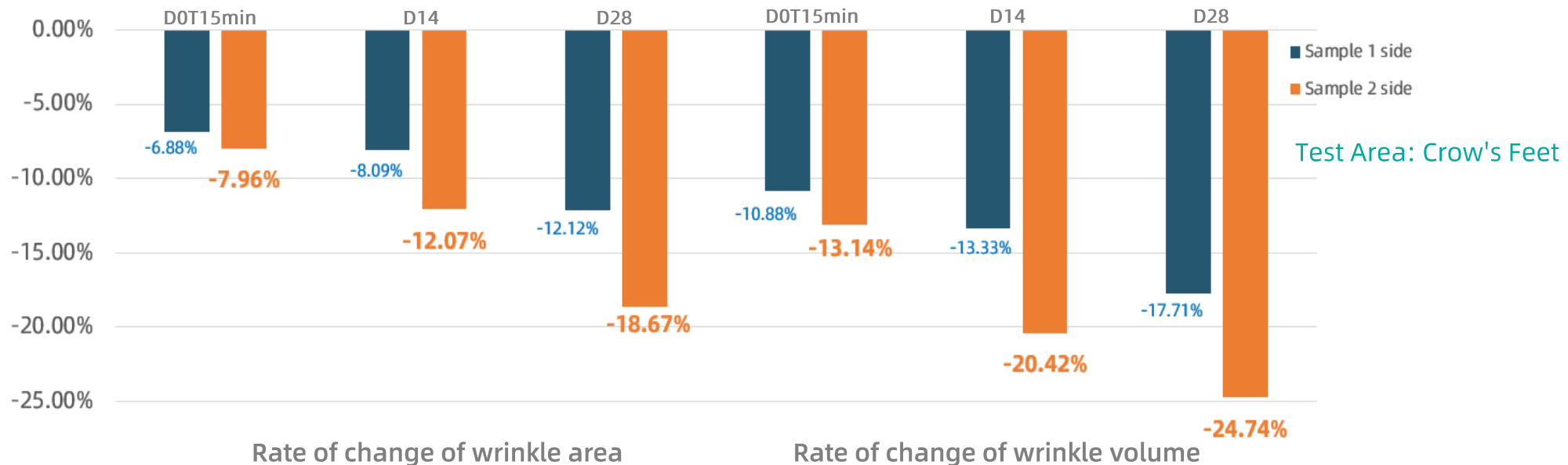
## Conclusion:

- After application, skin elasticity(R7, R5, R2) were significantly improved.
- Improved effect: 1.0% SteviC™ formulation > 0.3% SteviC™ formulation.
- 15min, R7+12.99%、R5+11.46%、R2+11.97%;  
28D, R7+27.98%、R5+22.53%、R2+16.80%.

# Wrinkle Area, Wrinkle Volume (in vivo)

## Method:

- Primos CR : Capturing facial image and analysing skin wrinkle.
- Smaller analytical values of wrinkle area, volume, depth and length, indicate an improved skin wrinkle.



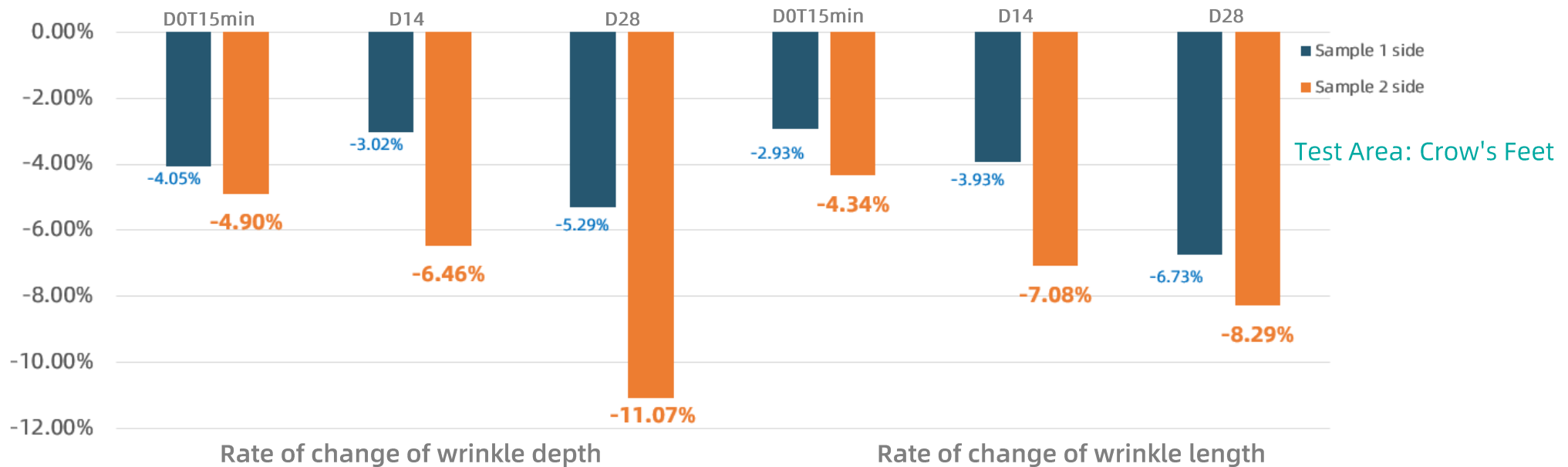
## Conclusion:

- After application, wrinkle area and wrinkle volume were significantly decreased.
- Improved effect: 1.0% SteviC™ formulation > 0.3% SteviC™ formulation.
- 15min, wrinkle area -7.96%, wrinkle volume -13.14%;  
28D, wrinkle area -18.67%, wrinkle volume -24.74%.

# Wrinkle Depth, Wrinkle Length (in vivo)

## Method:

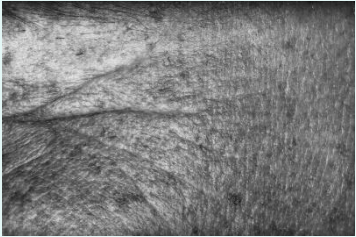
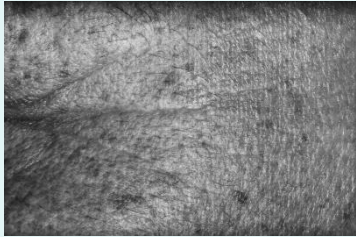

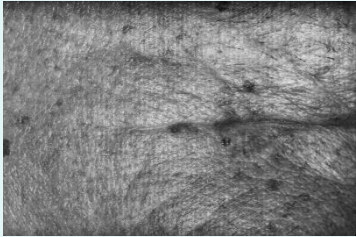
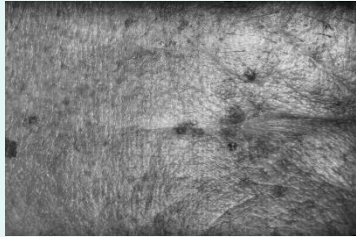
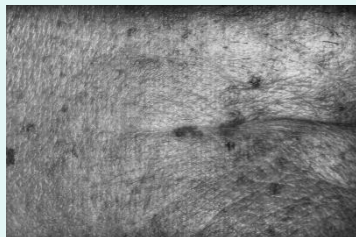
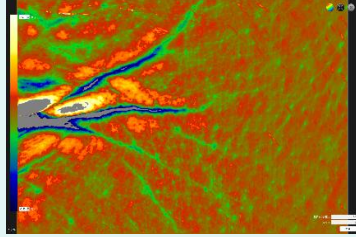
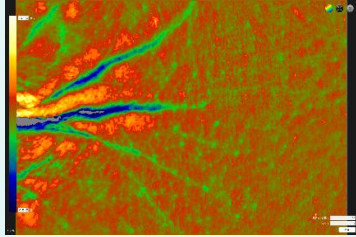
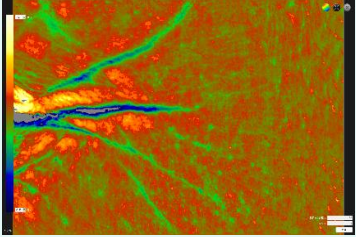
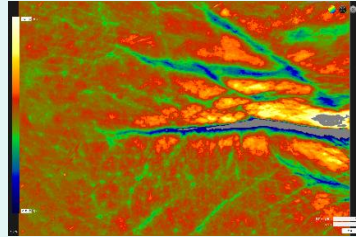
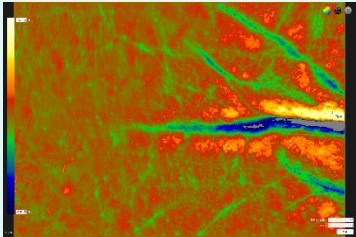
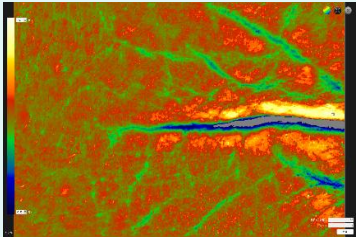
- Primos CR : Capturing facial image and analysing skin wrinkle.
- Smaller analytical values of wrinkle area, volume, depth and length, indicate an improved skin wrinkle.



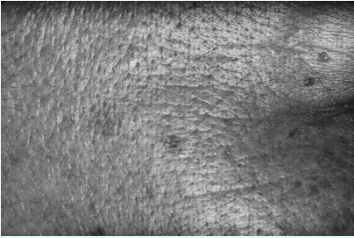
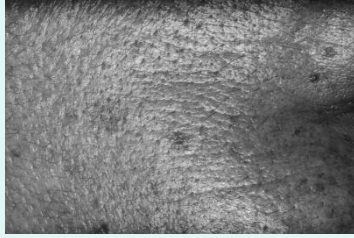
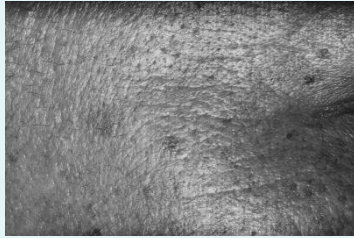
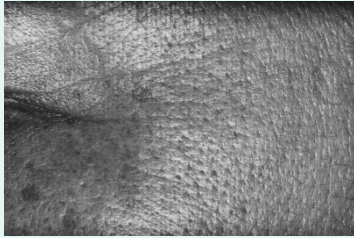
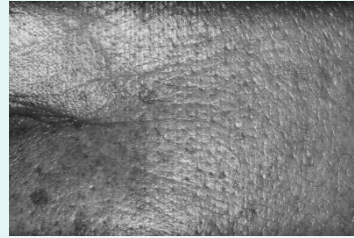

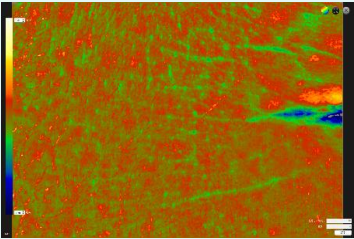
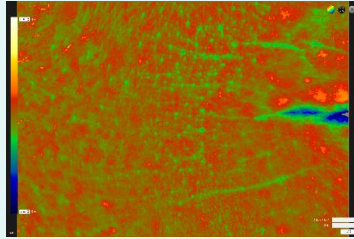
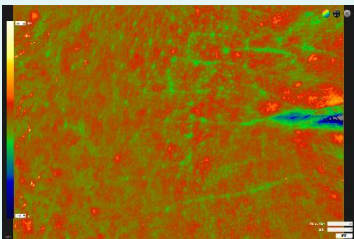
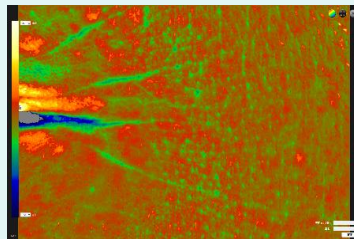
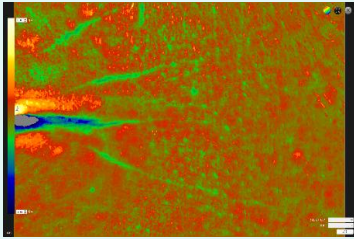
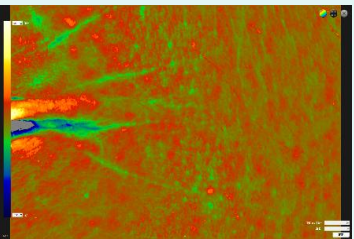
## Conclusion:

- After application, wrinkle depth and wrinkle length were significantly decreased.
- Improved effect: 1.0% SteviC™ formulation > 0.3% SteviC™ formulation.
- 15min, wrinkle depth -4.90%, wrinkle length -4.34%,  
28D, wrinkle depth -11.07%, wrinkle length -8.29%.

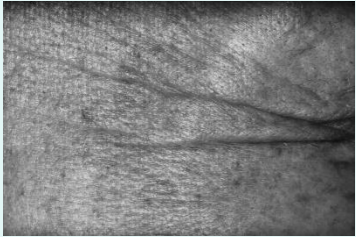
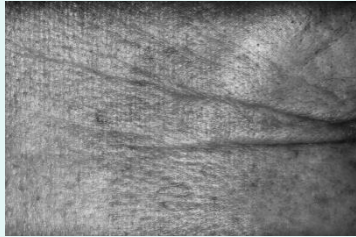
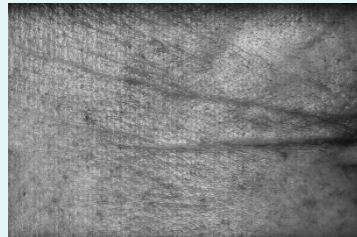
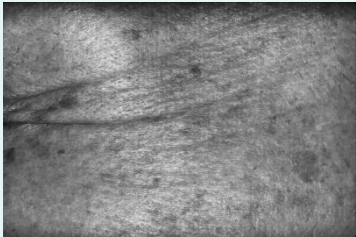
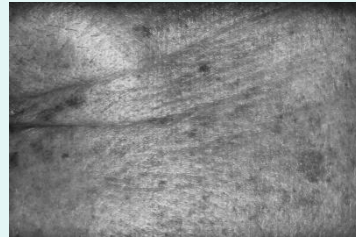
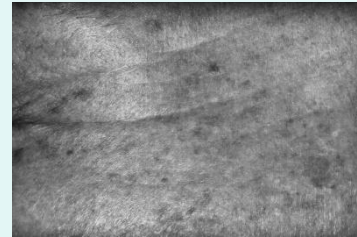
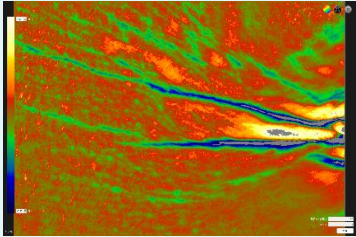
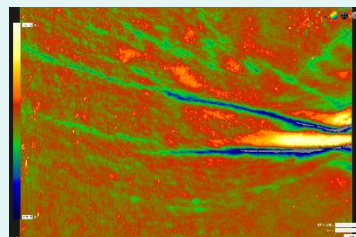
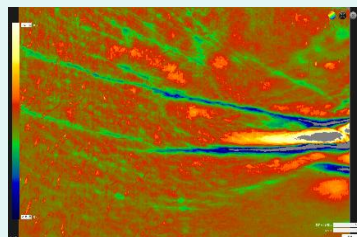
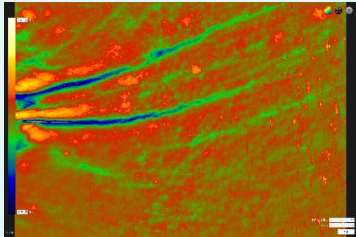
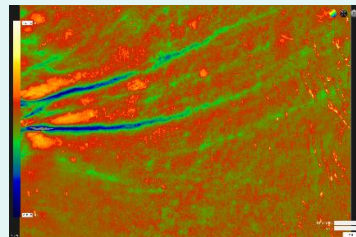
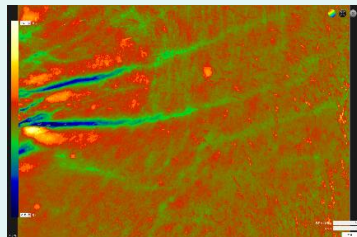
# Image Capture of Subject-Primos CR Images (Original and Analyzed)

No.	Area	D0	D0T15min	D28
22	Sample 1 Side			
	Sample 2 Side			
	Sample1 Side			
	Sample2 Side			

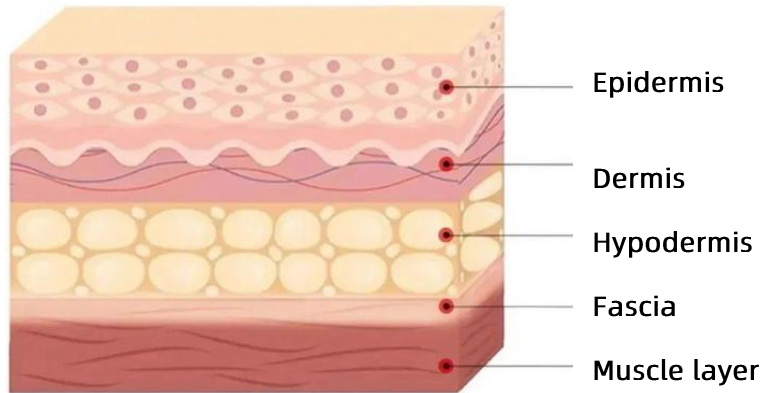
# Image Capture of Subject-Primos CR Images (Original and Analyzed)

No.	Area	D0	D0T15min	D28
20	Sample 1 Side			
	Sample 2 Side			
	Sample 1 Side			
	Sample 2 Side			

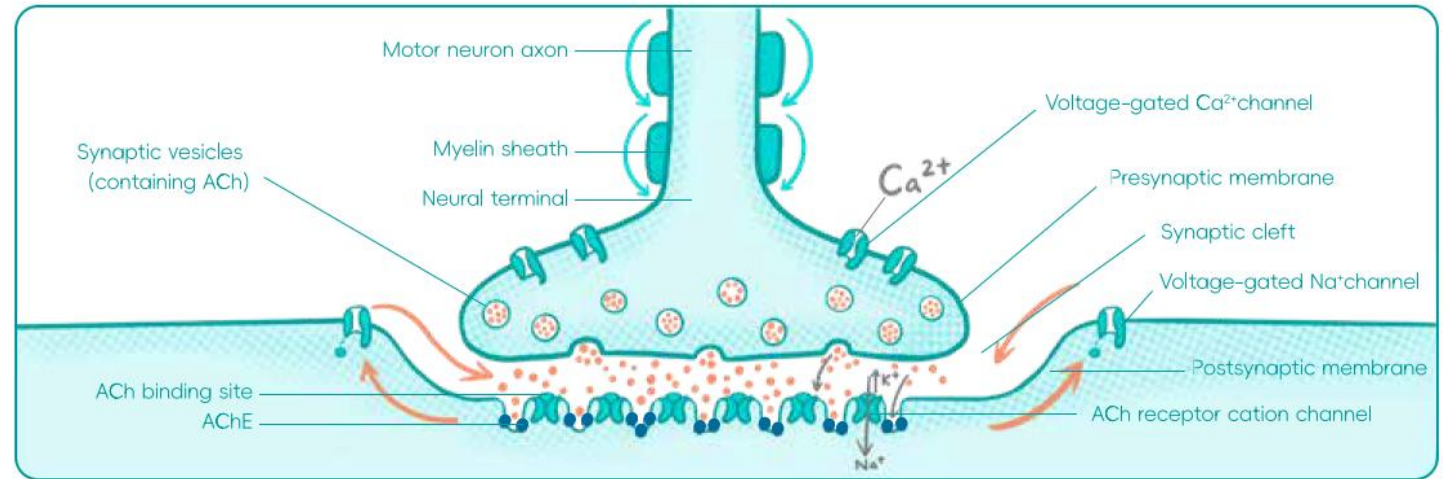
# Image Capture of Subject-Primos CR Images (Original and Analyzed)

No.	Area	D0	D0T15min	D28
06	Sample 1 Side			
	Sample 2 Side			
	Sample 1 Side			
	Sample 2 Side			

# Innovative Mechanism - Promotes the activity of acetylcholinesterase (AChE)



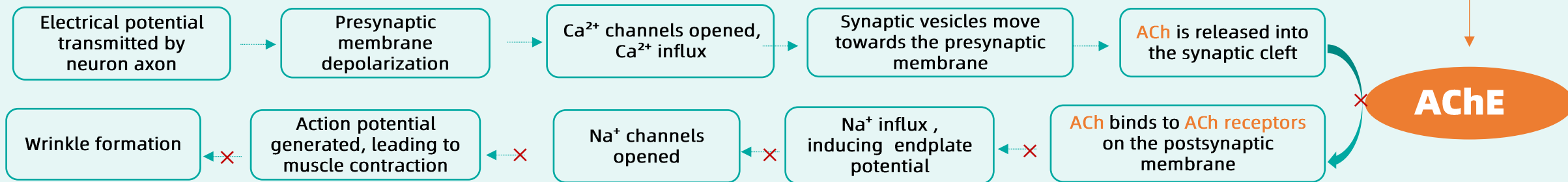
Skin Structure



Structure of the neuromuscular junction

## Wrinkle Formation

SteviC™

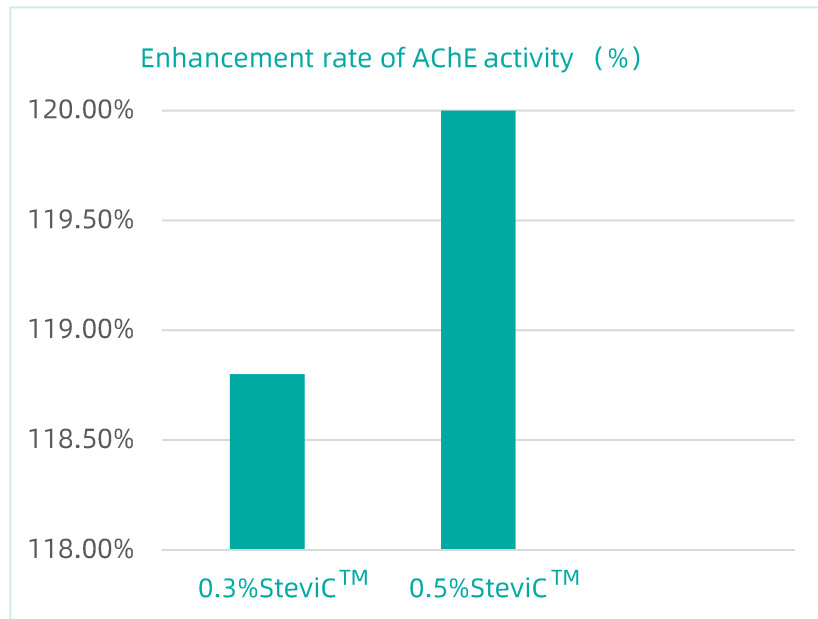


**Acetylcholine (ACh)** : The primary neurotransmitter required for muscle contraction.

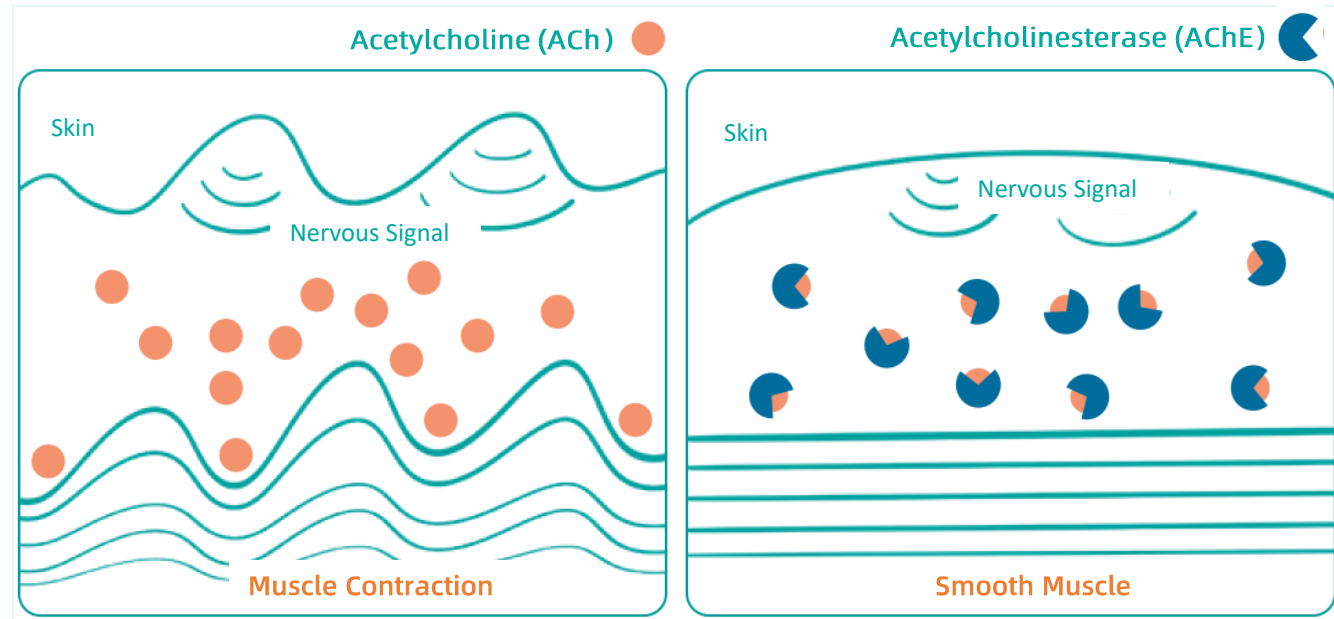
**Acetylcholinesterase (AChE)** : Inactivates acetylcholine, restoring the muscle to its original state.

**SteviC™**: Enhances the activity of AChE, which blocks nerve signal transmission, thereby inhibiting muscle contraction to reduce wrinkles and smooth the skin.

# Combat Expression Lines - Enhances the activity of acetylcholinesterase (AChE)



Enhancement rate of AChE activity by SteviC™



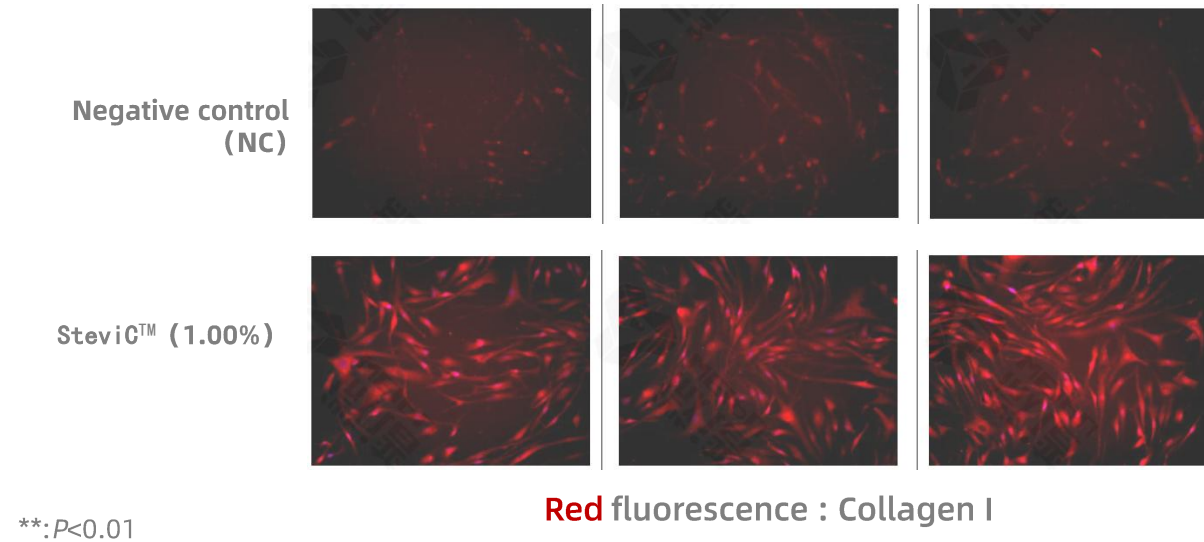
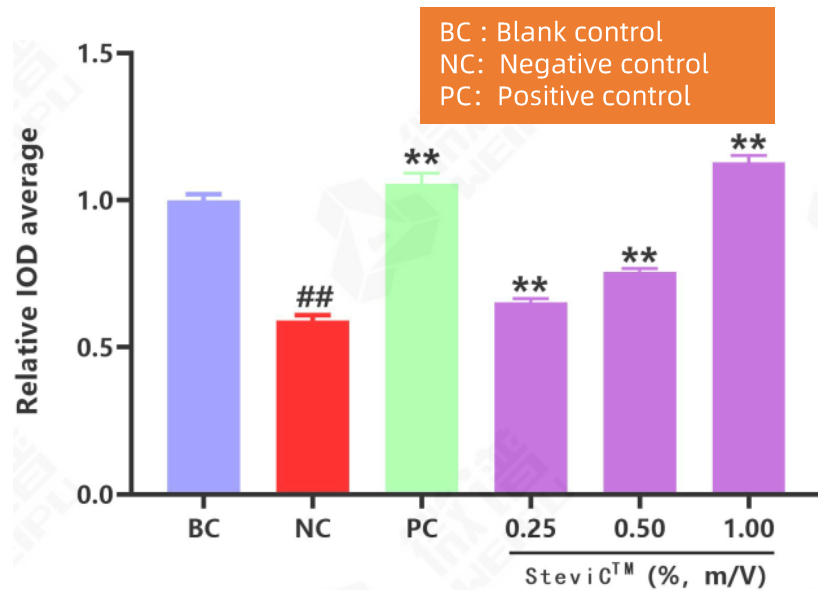
## Conclusion:

- SteviC™ can enhance the activity of acetylcholinesterase.
- At a concentration of 0.5%, the enhancement rate of acetylcholinesterase activity can reach up to 120%.

# Firming & Anti-Wrinkle (in vitro) - Promoting Collagen (ECM)

## Method:

- The change of Collagen I expression was detected by immunofluorescence technology in Human fibroblasts to evaluate the Firming & Anti-Wrinkle effects of SteviC™.



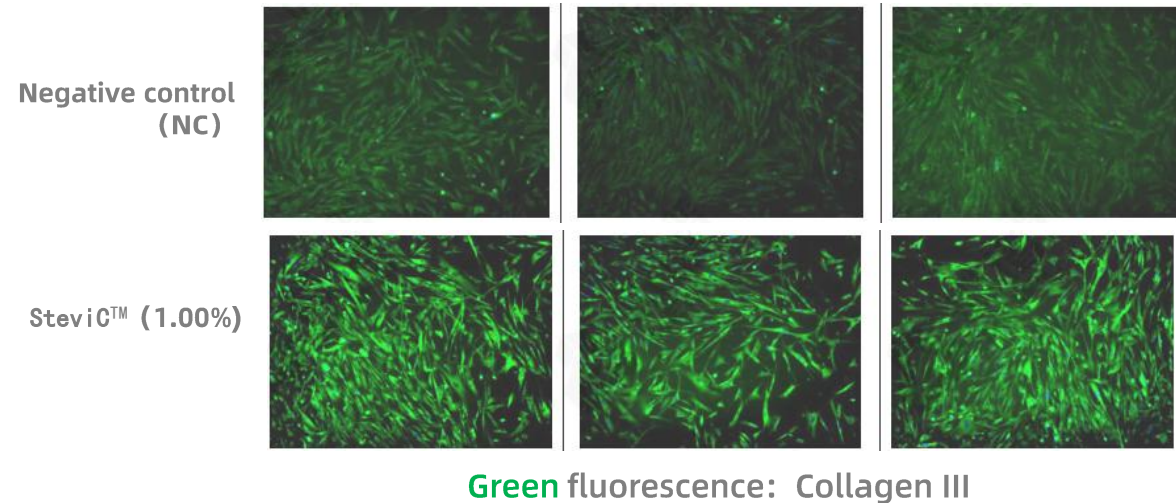
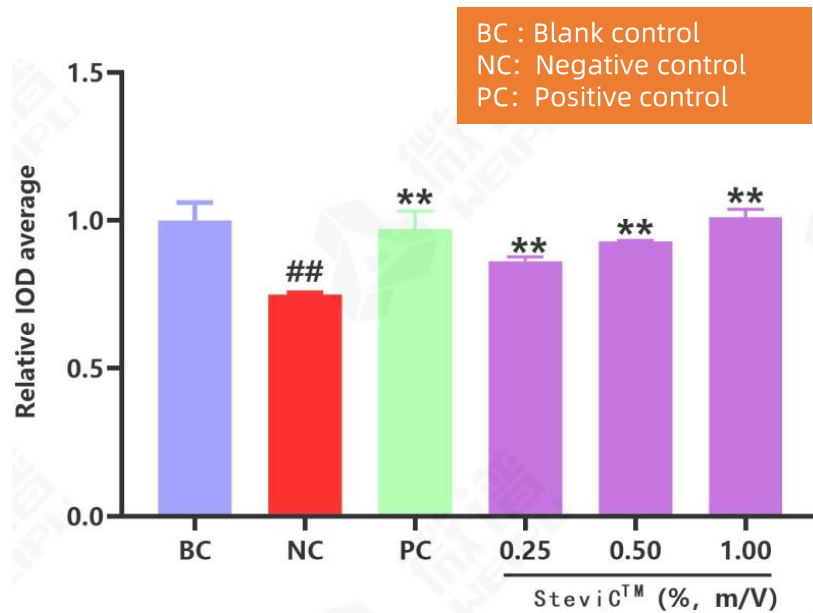
## Conclusion:

- SteviC™ can significantly promote the expression of Type I Collagen.
- At a concentration of 1.00% (10 mg/ml), SteviC™ increased the expression of Type I collagen by up to 91.53%.

# Firming & Anti-Wrinkle (in vitro) - Promoting Collagen (ECM)

## Method:

- The change of Collagen III expression was detected by immunofluorescence technology in Human fibroblasts to evaluate the Firming & Anti-Wrinkle effects of SteviC™.



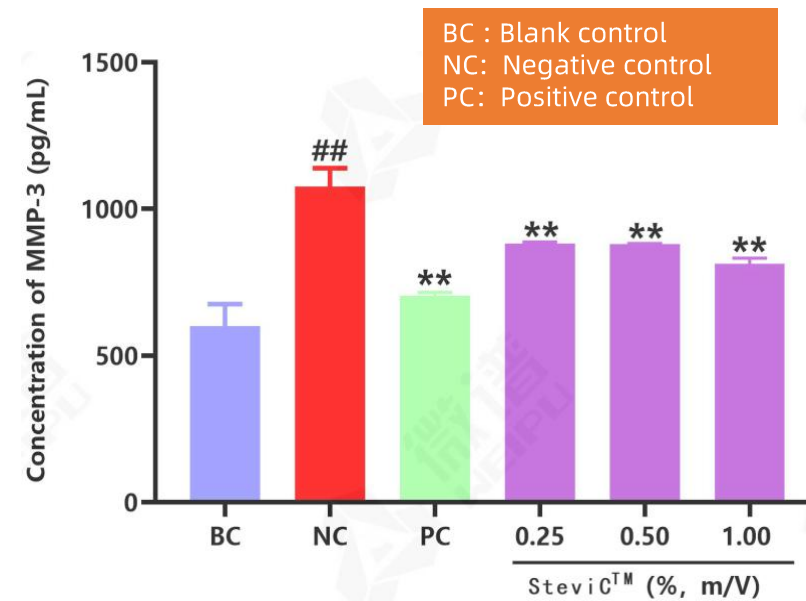
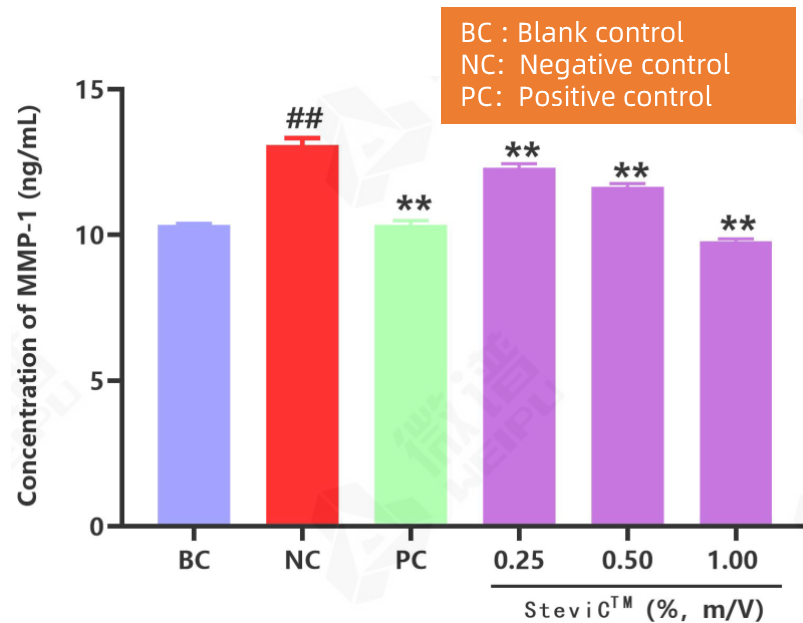
## Conclusion:

- SteviC™ can significantly promote the expression of Type III Collagen.
- At a concentration of 1.00% (10 mg/ml), SteviC™ increased the expression of Type III collagen by up to 34.67%.

# Firming & Anti-Wrinkle (in vitro) - Inhibiting Degradation (ECM)

## Method:

- The changes of Matrix Metalloproteinase 1, 3 (MMP-1、MMP-3) content were detected in Human fibroblasts to evaluate the Firming & Anti-Wrinkle effects of SteviC™.



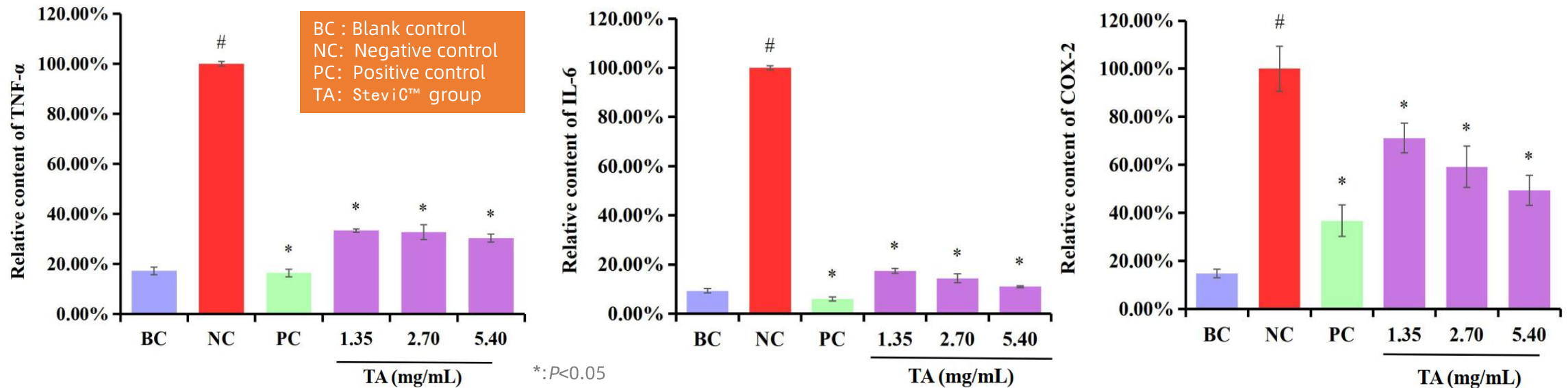
## Conclusion:

- SteviC™ can significantly inhibit the expression of MMP-1 and MMP-3.
- At a concentration of 1.00%, the inhibition rates of MMP-1、MMP-3 expression were 25.15%、24.48% respectively.

# Soothing (in vitro)-Relieving sensitivity, Slowing down inflammaging

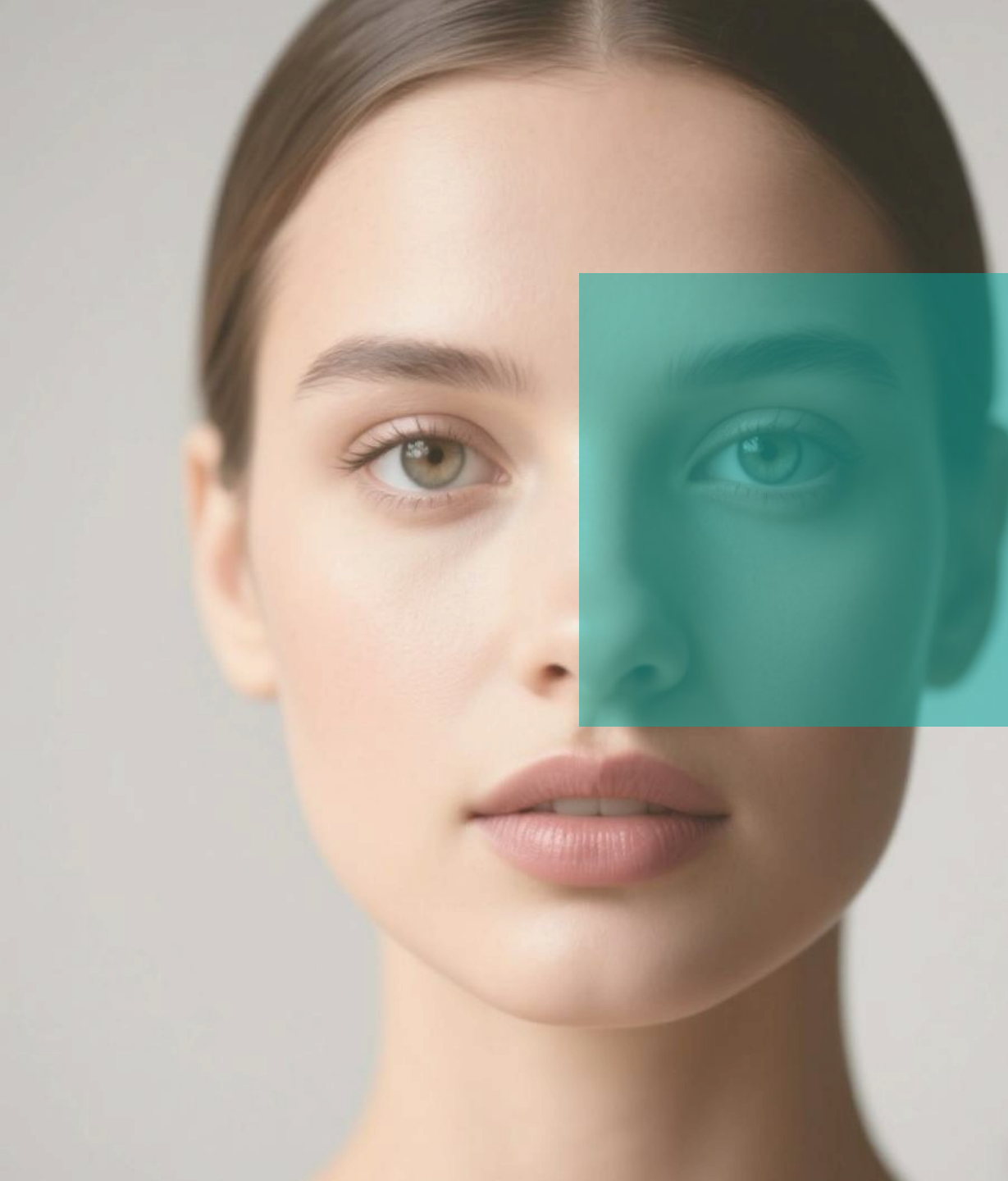
## Method:

- The inhibitory effects of SteviC™ on TNF- $\alpha$ , IL-6, and COX-2 were evaluated through macrophage RAW 264.7 cell mode stimulated by lipopolysaccharide (LPS).



## Conclusion:

- SteviC™ can significantly inhibit the secretion of TNF- $\alpha$ , IL-6 and COX-2.
- At a concentration of 5.40 mg/mL, the inhibition rates of TNF- $\alpha$ , IL-6, and COX-2 were 69.59%, 89.02%, and 50.56%, respectively.



**04**

***Applications and Summary***

# Applications

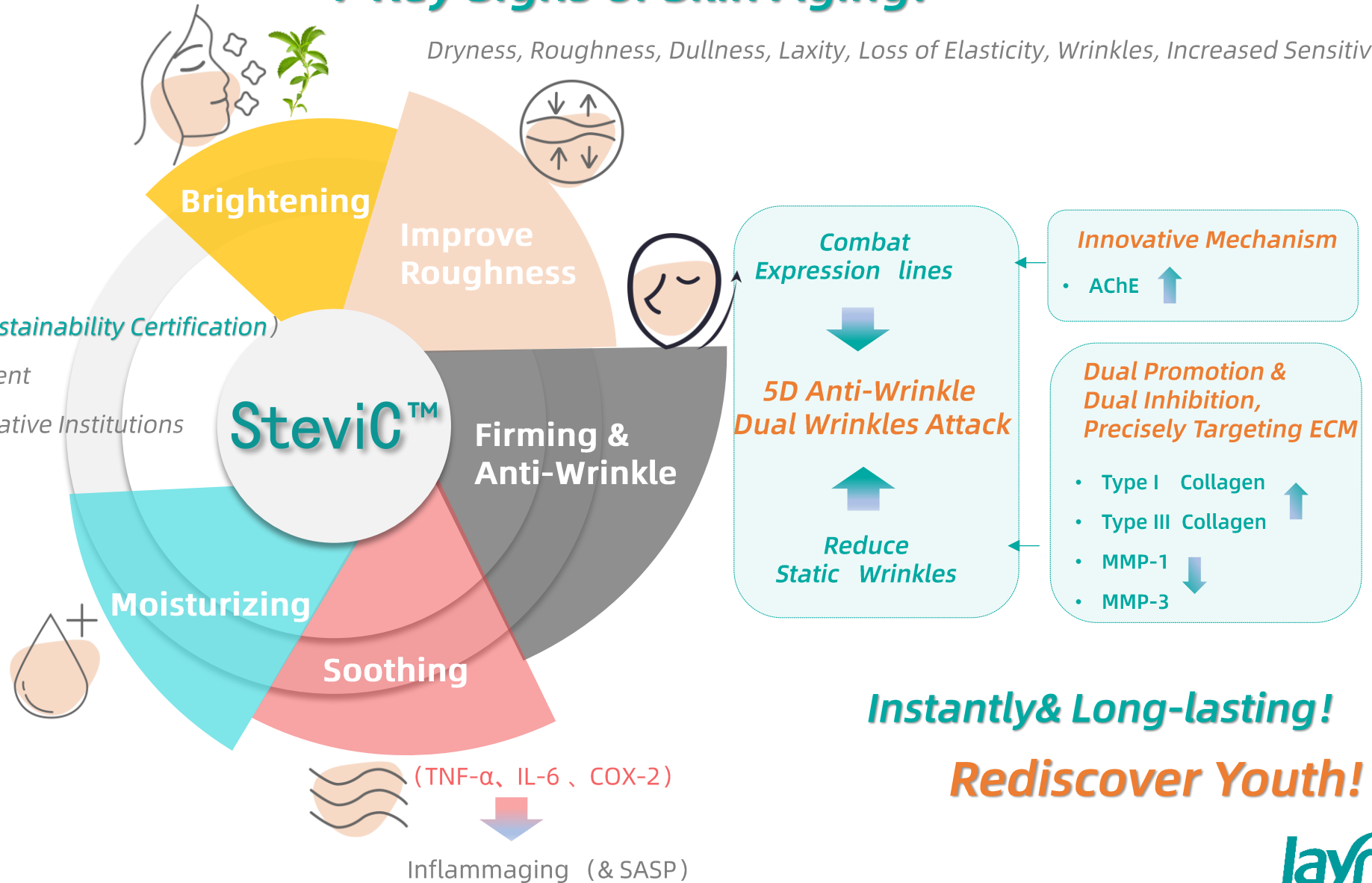


# Summary

## Multi-Targeted Anti-Aging, Holistically Improve 7 Key Signs of Skin Aging:

Dryness, Roughness, Dullness, Laxity, Loss of Elasticity, Wrinkles, Increased Sensitivity!

- Natural Plant-derived
- Selected Origin (FSA-Farm Sustainability Certification)
- Award-Winning Innovative Patent
- Efficacy Verification by Authoritative Institutions
- Intelligent Manufacturing



**Instantly & Long-lasting!**

**Rediscover Youth!**



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