



BotaFill BF-3TM

Floral botox - Instant anti-wrinkle within 3 mins



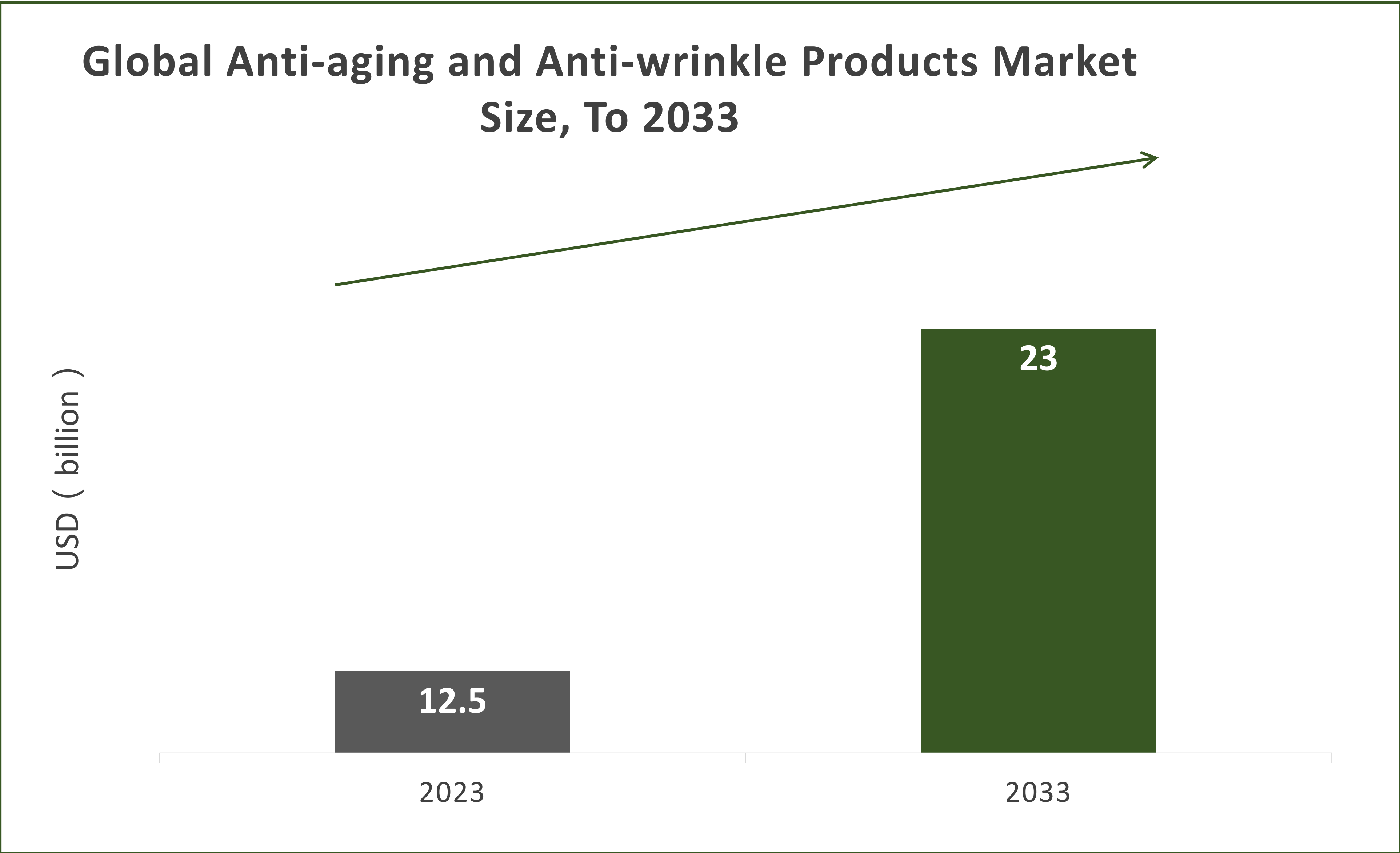
Signs Of Age



As we age, our skin will show many visible changes. Fibroblasts will reduce their division and proliferation, causing a continuous loss of collagen in the dermis. This, combined with gravity, stress, the environment and climate, will cause the skin to lose elasticity, resulting fine lines and wrinkles on the face.

Aging is the result of long-term changes.

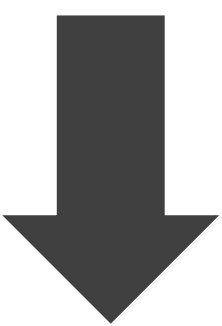
Global Anti-aging and Anti-wrinkle Products Market Outlook



From : Anti-aging and Anti-wrinkle Products Market Outlook (2023 to 2033)

US\$ 12.5 billion

Global Anti-aging and Anti-wrinkle Products , 2023



US\$ 23.0 billion

Global Anti-aging and Anti-wrinkle Products Market to 2033

According to predictions, the Global Anti-aging and Anti-wrinkle Products market is expected to grow **84%** by 2033.

Consumers Concern about `



87.5%

Loose And Saggy Skin



83.9%

Fine Lines Around The Eyes



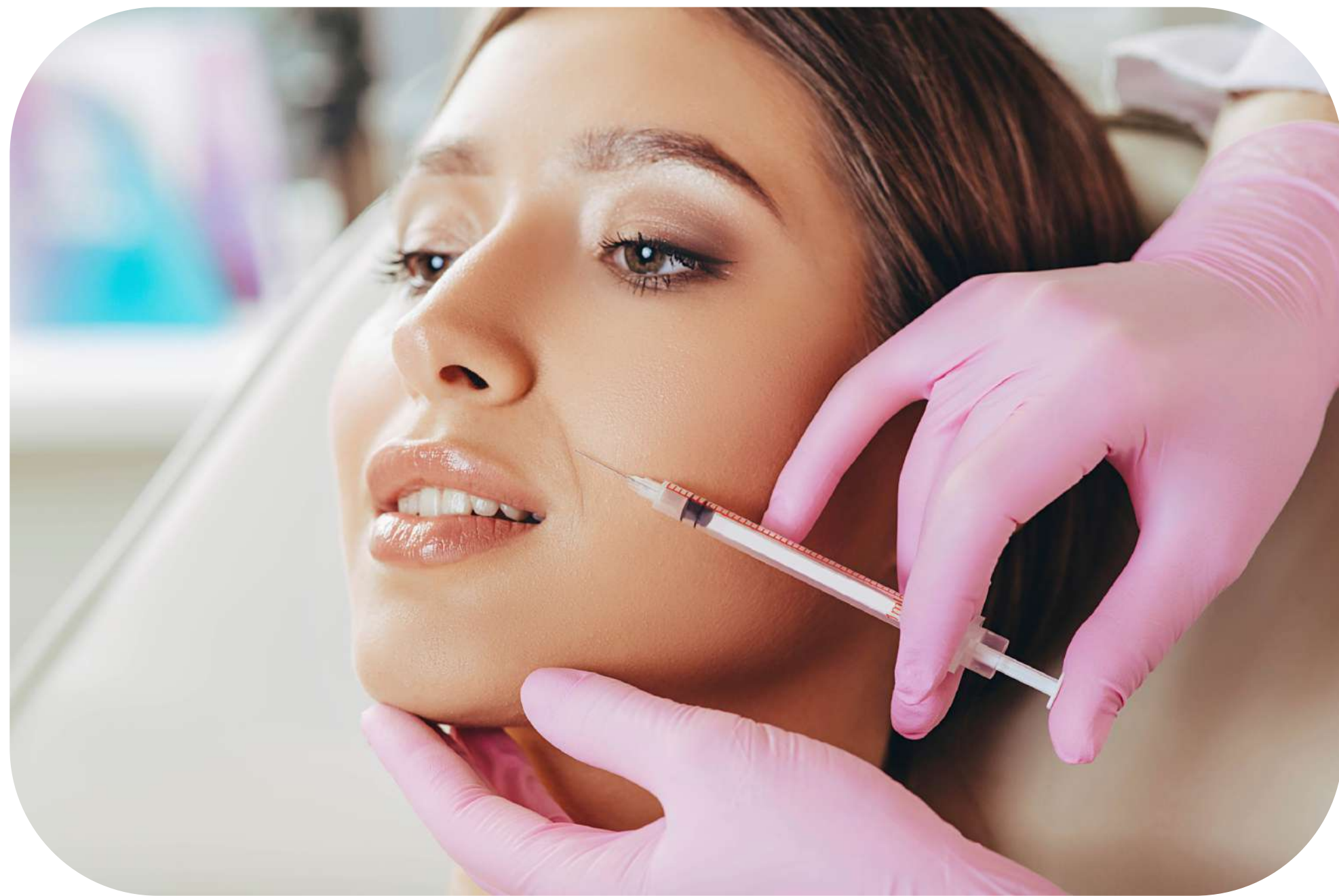
66.7%

Neck Lines

From : <https://cmri.itrue.com.tw/2016/03/29/201603anti-aging/>

Consumer focus on wrinkles issue.

Aesthetic medicine with aging



Botox Injection



Hyaluronic Acid Injection



Thermage

Anti-wrinkle solutions beyond cosmetics, such as aesthetic medicine. These techniques work by stimulating collagen regeneration, relaxing facial muscles and reshaping the skin structure to significantly reduce wrinkles and fine lines. The effects are fast, providing a more effective option for those seeking a youthful appearance.

Aesthetic medicine can achieve instant anti-wrinkle effects

Aesthetic medicine disadvantages



Long Recovery Time



Risk Of Infection



High Cost

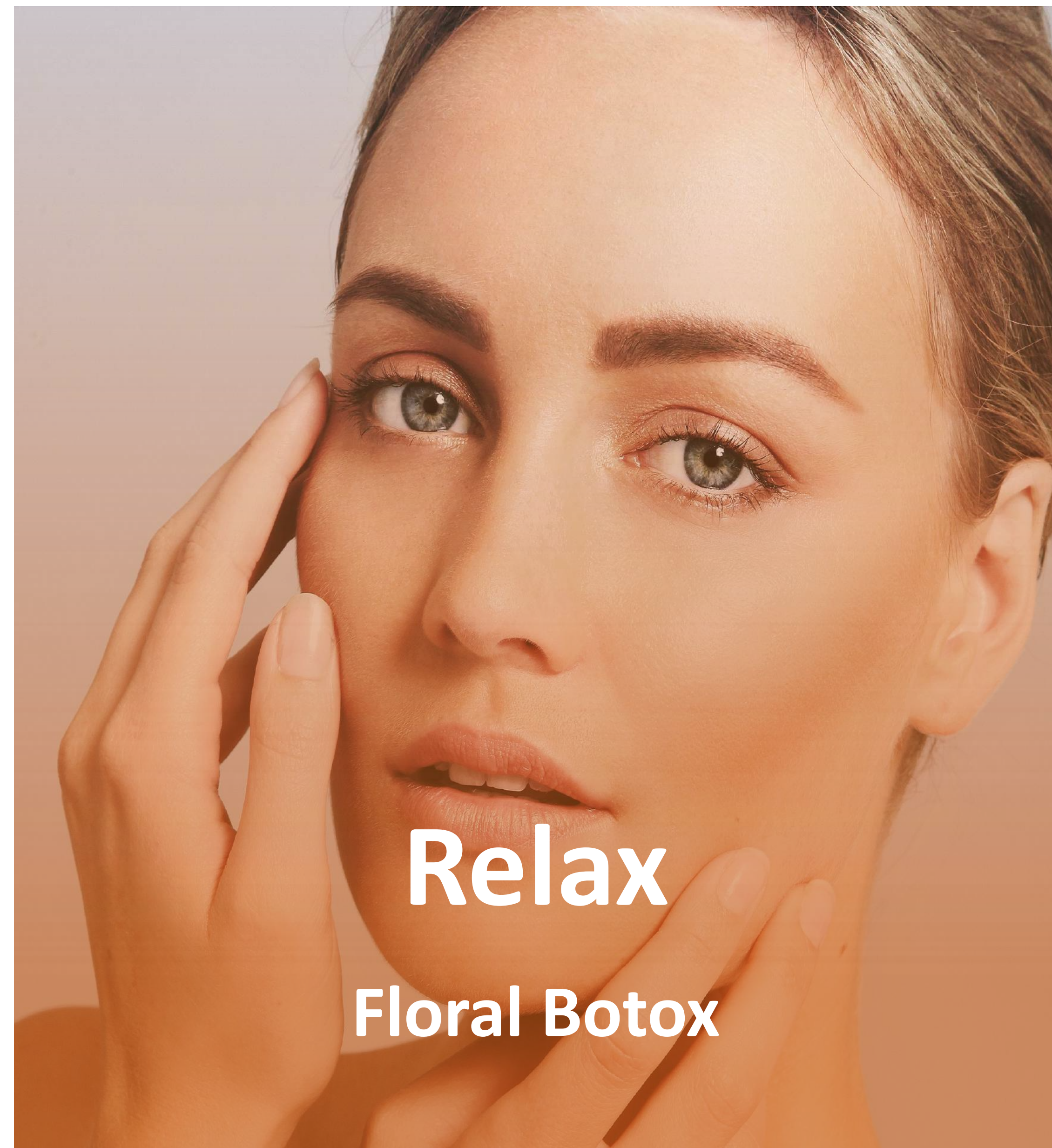
Although the anti-wrinkle effects of aesthetic medicine are remarkable, aesthetic medicine treatments may cause side effects such as redness, infection or an inflammatory response. Aesthetic medicine is costly. Moreover, invasive surgery carries certain risks, such as uneven skin texture or facial tension. And some treatments require a long recovery time.

Aesthetic medicine can achieve instant anti-wrinkle effects, but there is a risk of side effects



BotaFill BF-3™ is an alternative solution to aesthetic medicine.

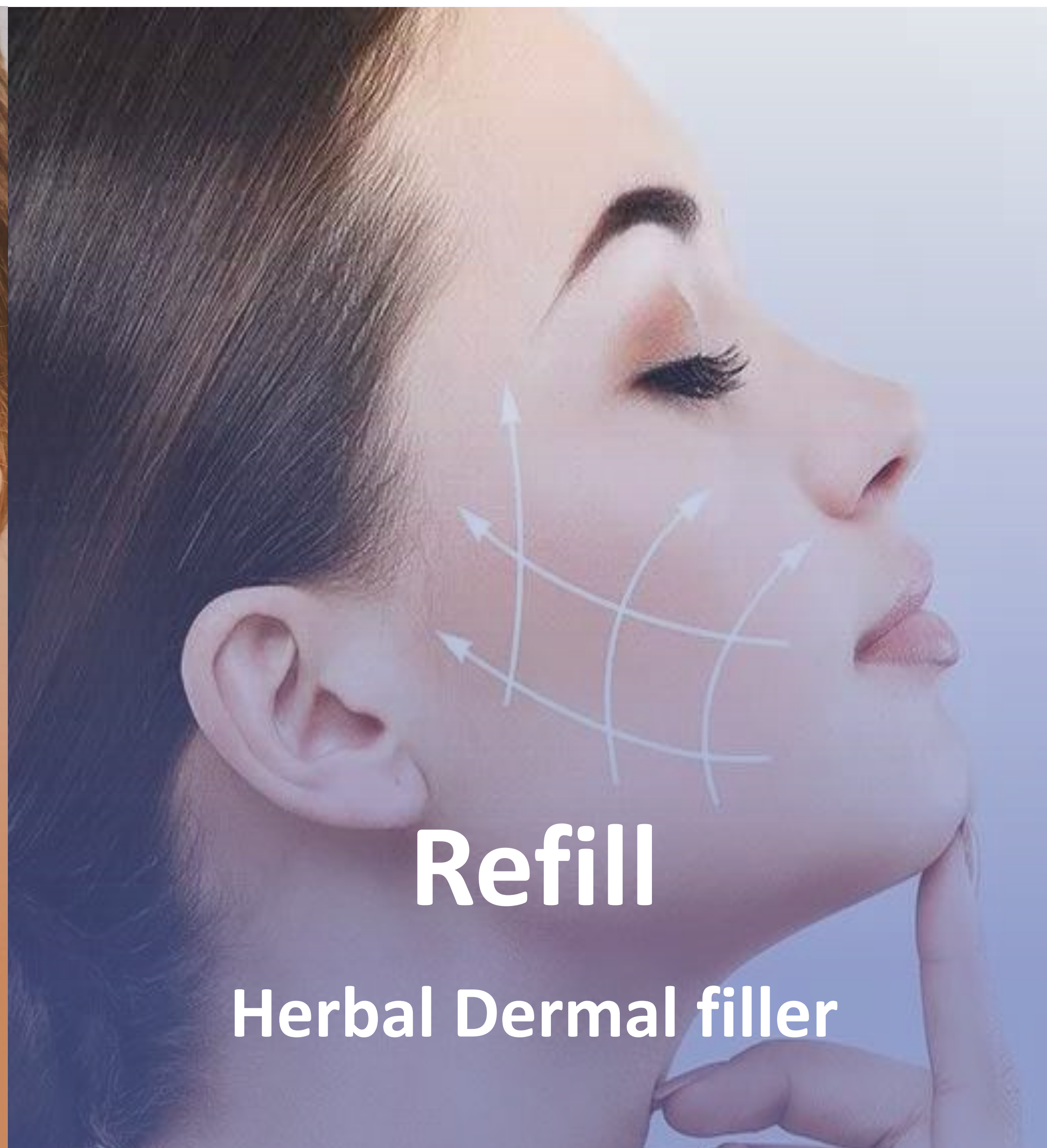
BotaFill BF-3 TM - Alternative solution to aesthetic medicine.



Relax

Floral Botox

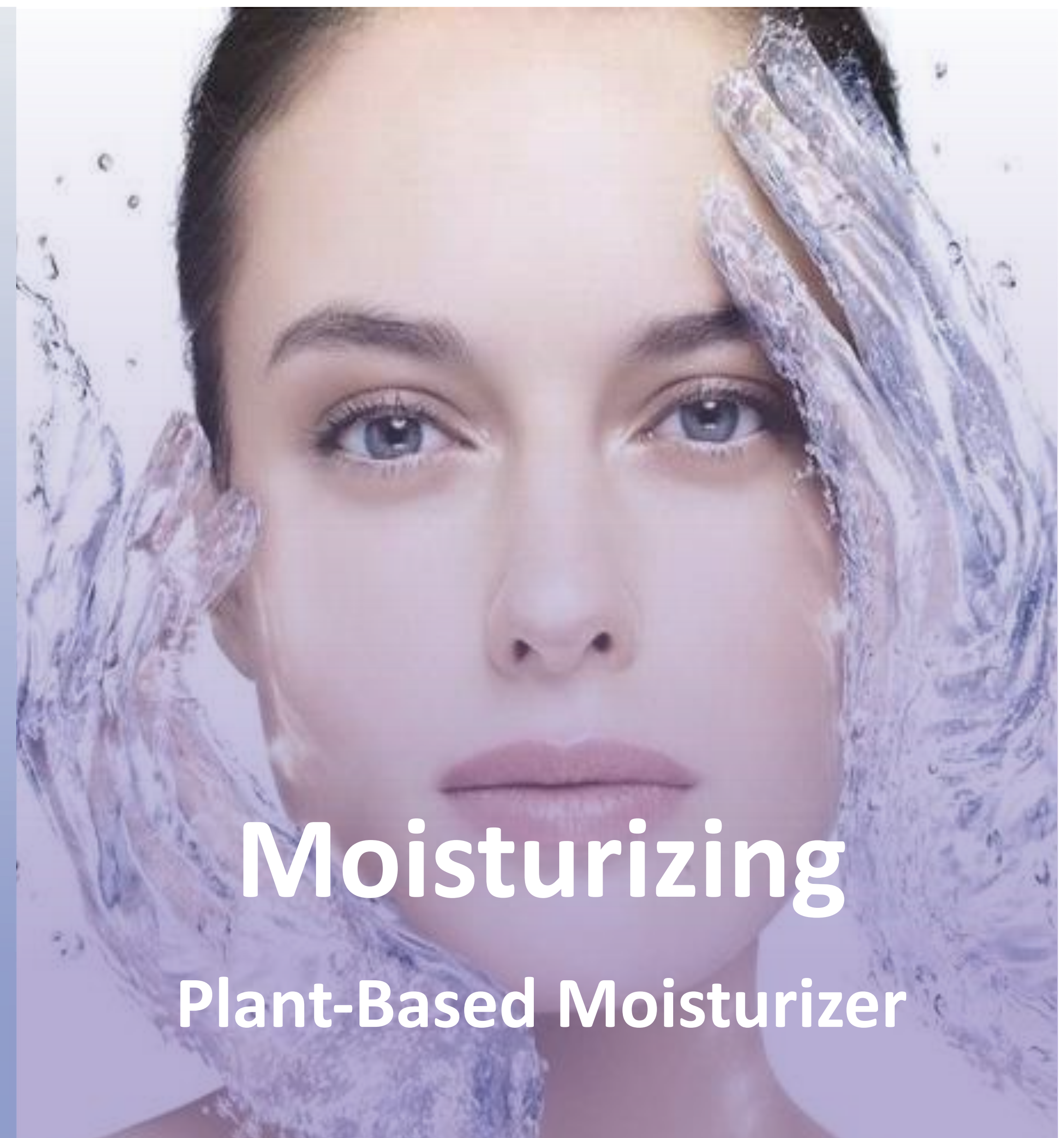
Relaxing the facial muscles to reduce the appearance of dynamic wrinkles.



Refill

Herbal Dermal filler

Fills in skin depressions and increases skin firmness.



Moisturizing

Plant-Based Moisturizer

Increase skin hydration to strengthen the skin's epidermal barrier.

BotaFill BF-3™ Anti-wrinkle Mechanism



Ficus Pumila
Seed Extract



Erythritol

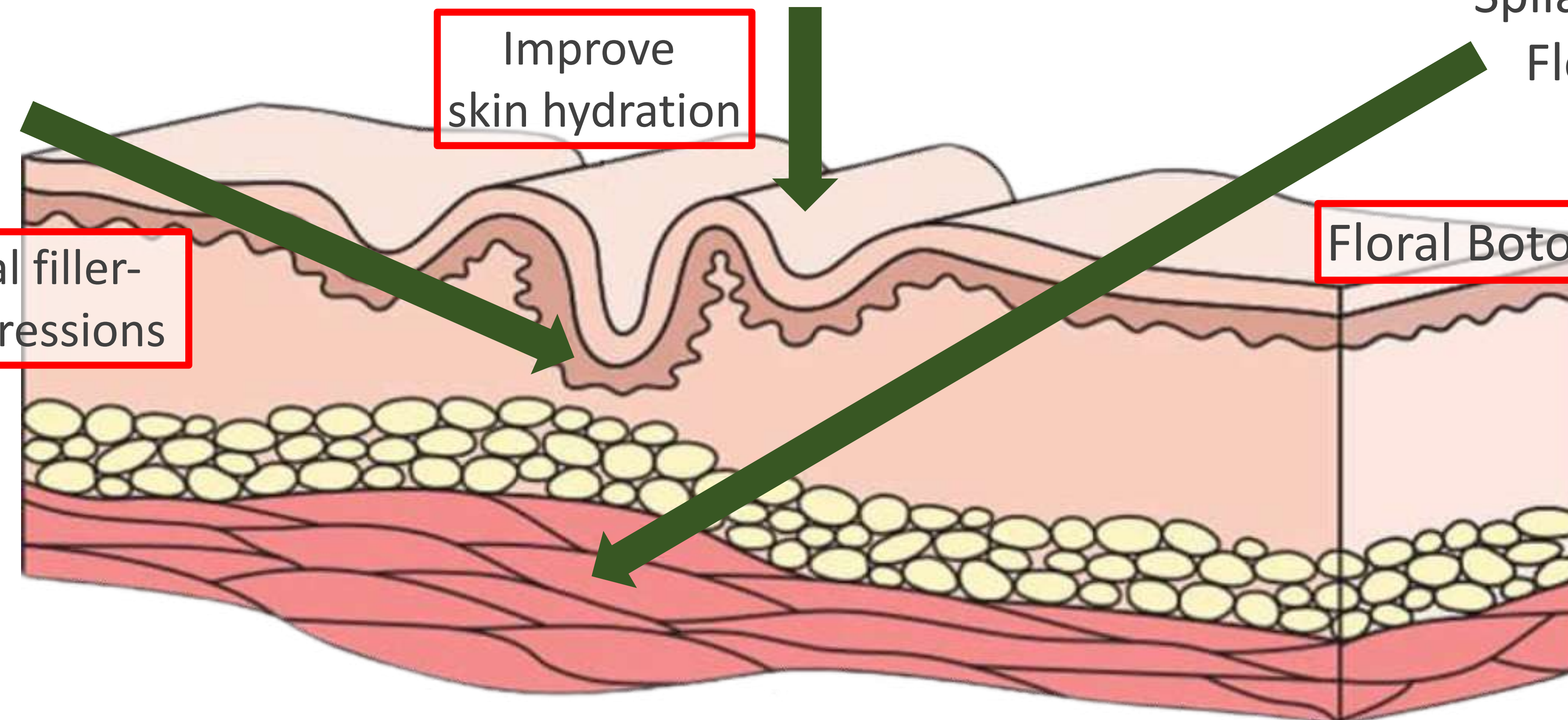


Spilanthes Acmella
Flower Extract

Herbal Dermal filler-
Fills in skin depressions

Improve
skin hydration

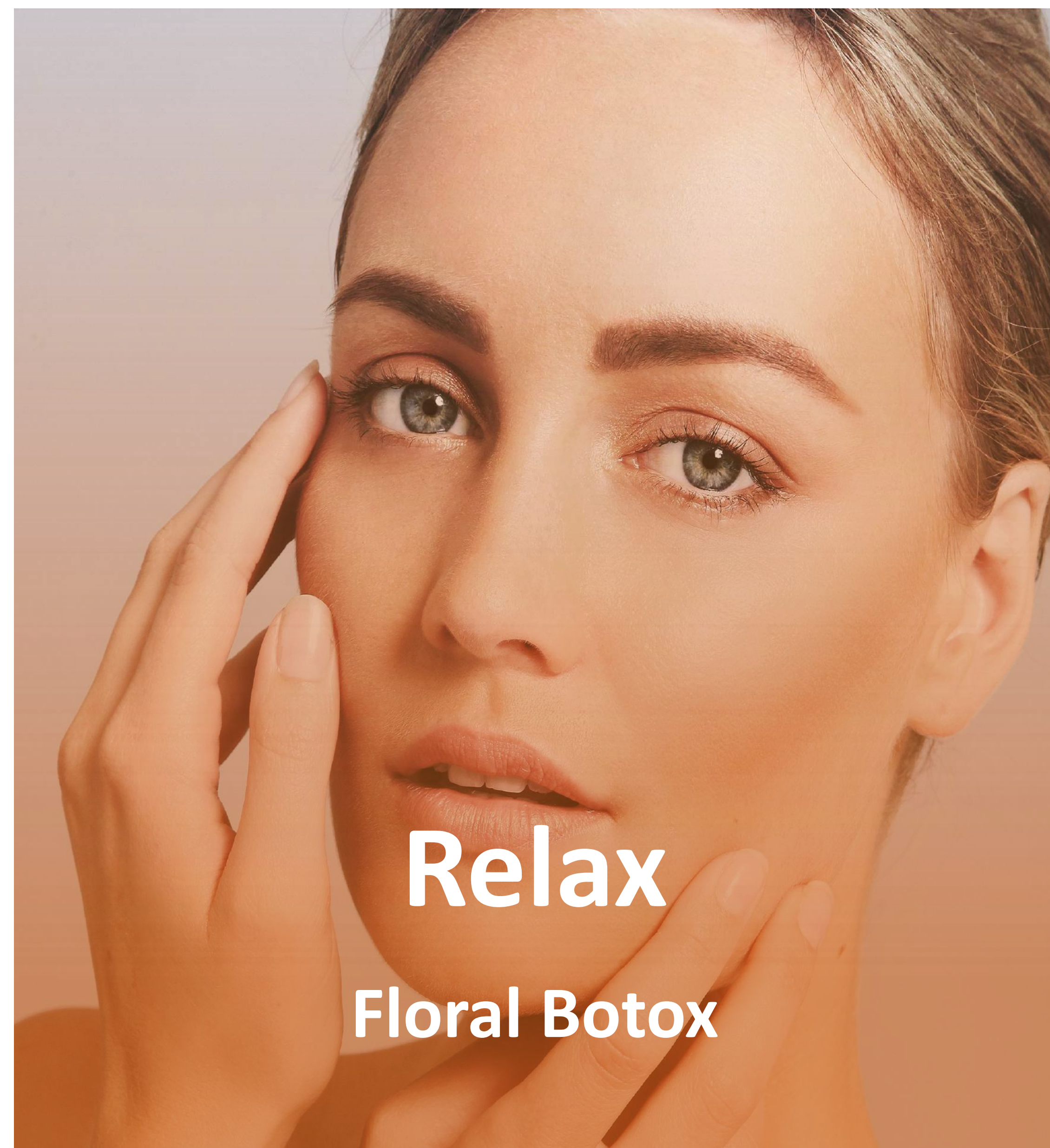
Floral Botox - Relax Skin Muscles



BotaFill BF-3™ - Provides instant anti-wrinkle effects like aesthetic medicine

BotaFill BF-3™

We create solution



Relaxing the facial muscles to reduce the appearance of dynamic wrinkles.



Floral Botox - Spilanthes Acmella



Plant Family :

Asteraceae Family and Acmella Genus

Origin :

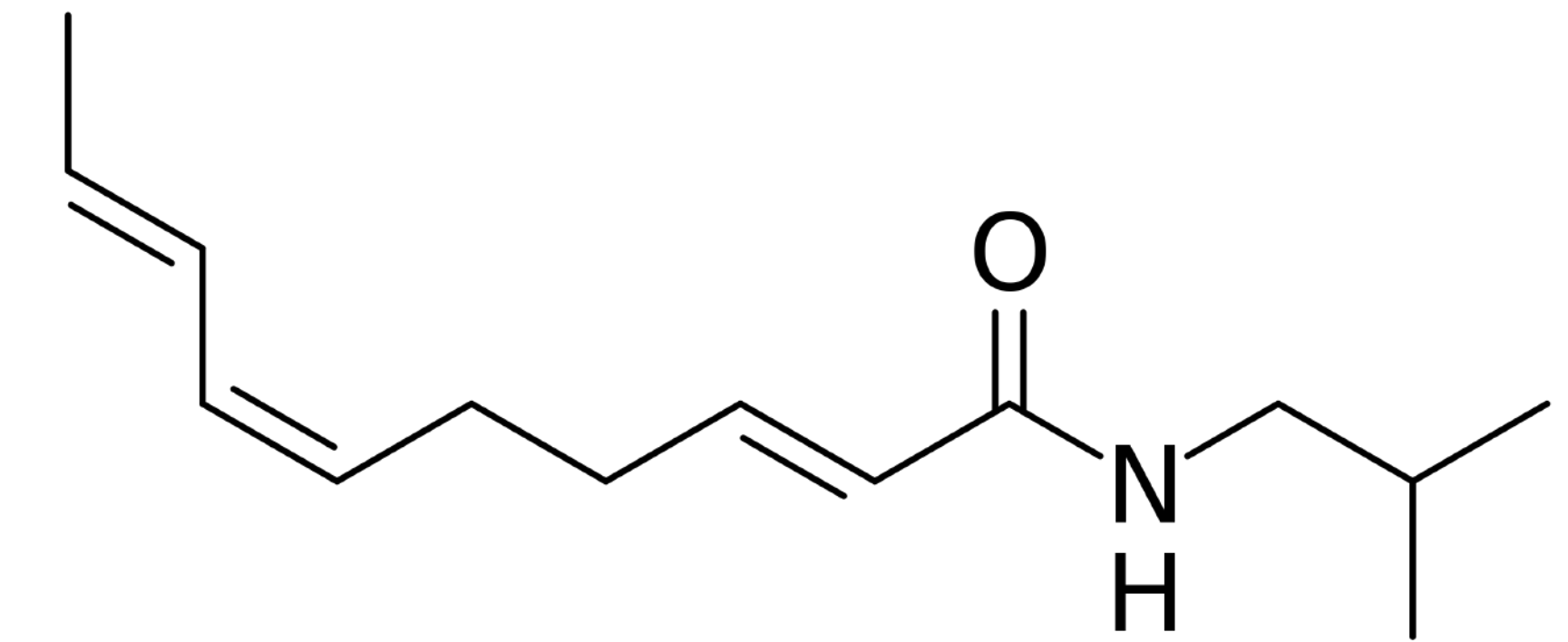
Southern Taiwan

Effects :

Anti-aging, Anti-inflammatory

Traditional Use :

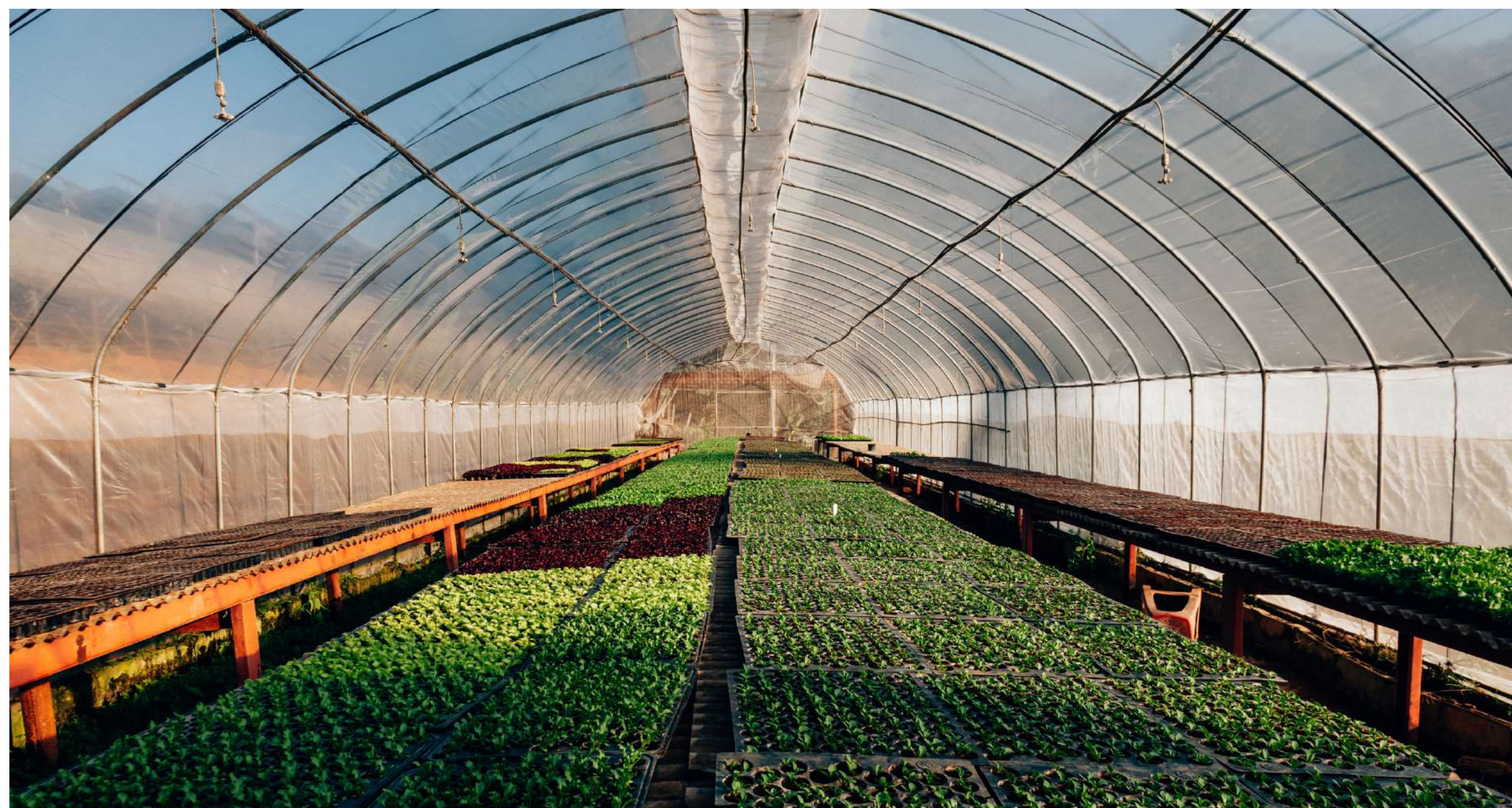
In China, Spilanthes Acmella is also known as **Toothache Grass**, because when people have toothache, to avoid the pain, they will chew Spilanthes Acmella directly or boil them into traditional Chinese medicine to take without anaesthetic painkillers.



Spilanthol

Spilanthes Acmella

Ancient Oriental Herbal Medicine



- ✓ Spilanthes Acmella was introduced to China and Taiwan for cultivation due to its unique anti-inflammatory medicinal value.
- ✓ it is grown in the smallholder greenhouses in the Chianan Plain at the foot of the Ali Mountain mountain.
- ✓ Carefully irrigated with high-mountain spring water that is pure and full of minerals and trace elements.

Spilanthes Acmella

Ancient Oriental Herbal Medicine



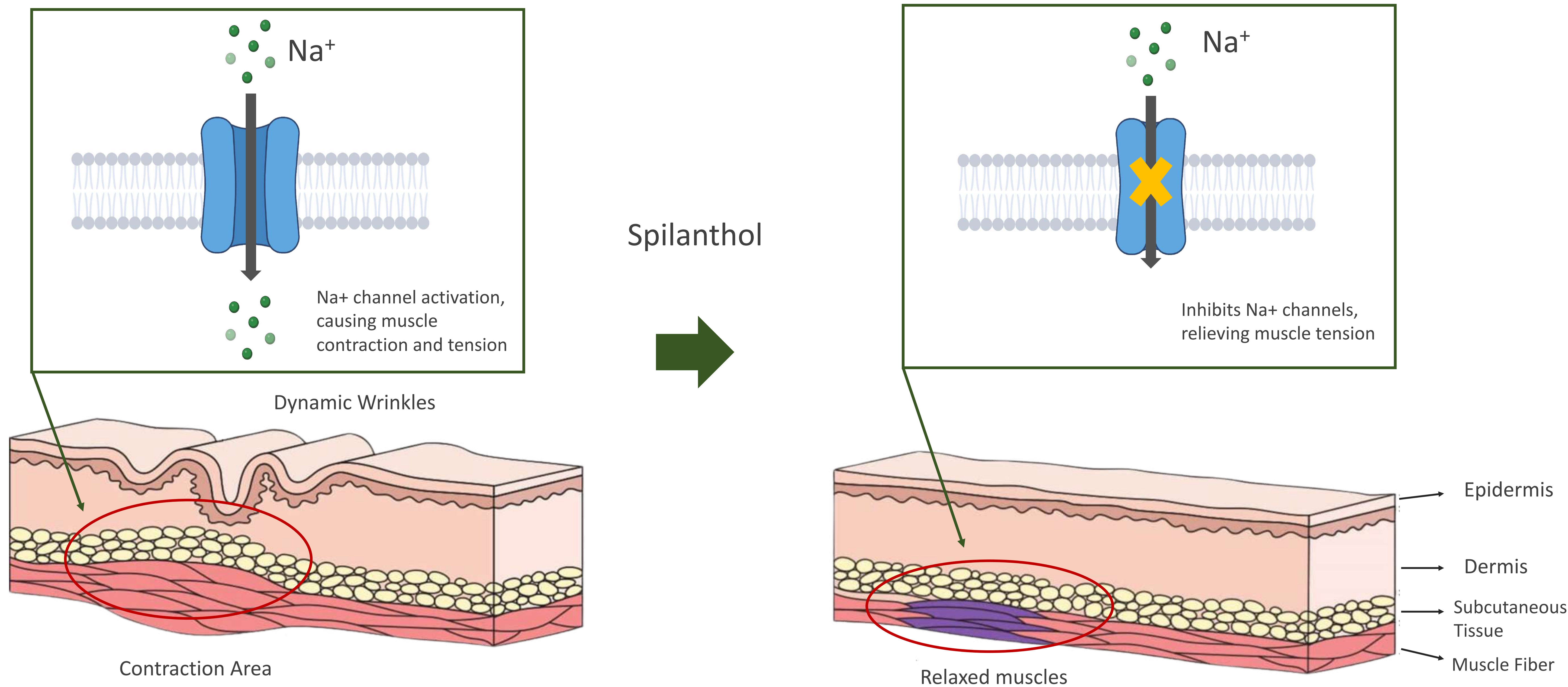
✓ Why Spilanthes Acmella has pain-relieving properties? :

In traditional medicine, Spilanthes Acmella has pain-relieving properties. Research has found that Spilanthes Acmella contains Spilanthol, which can anesthetizes nerves to relieve.

✓ Spilanthol :

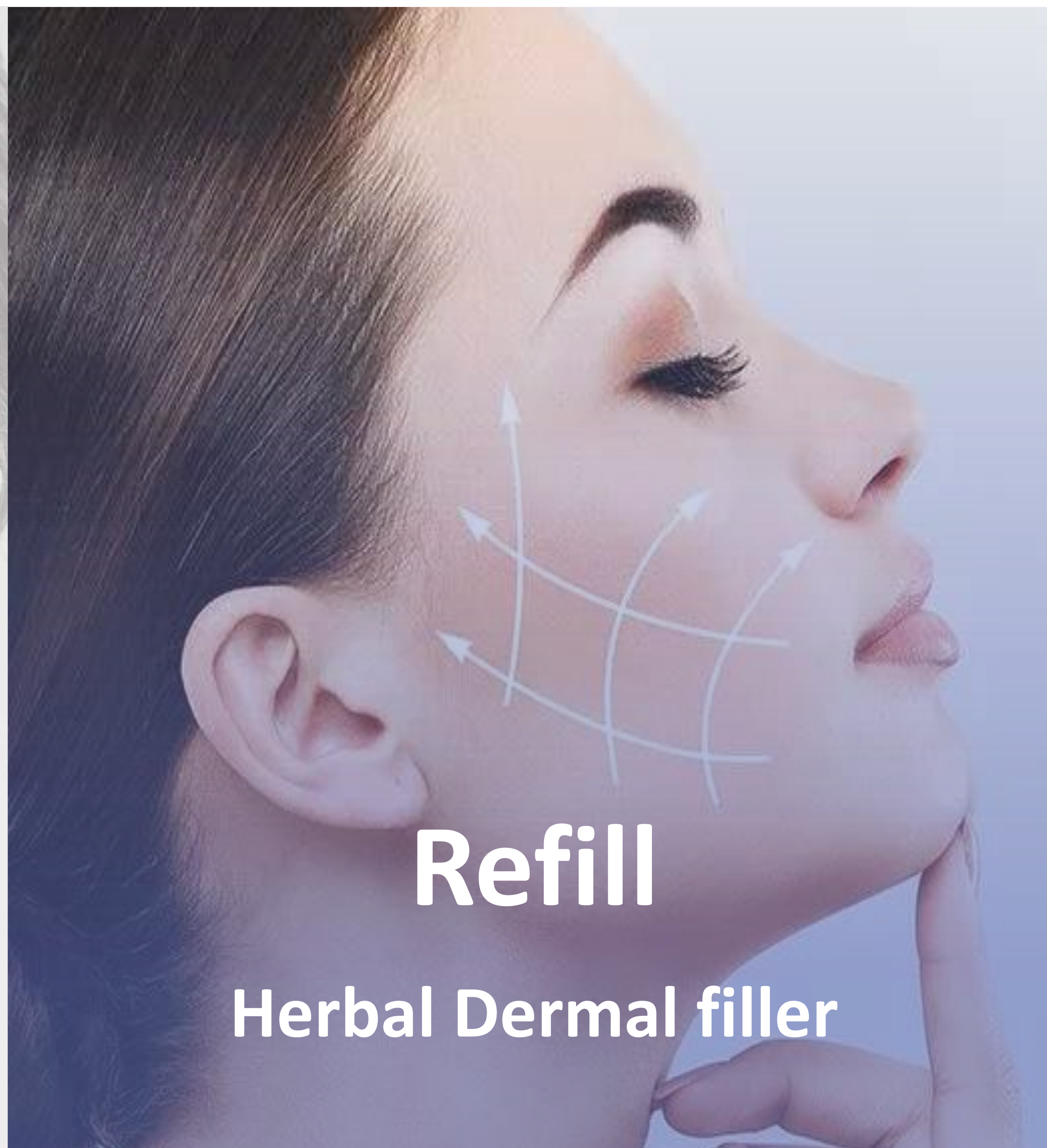
Spilanthol is the main active ingredient in Spilanthes Acmella. It produces a local anesthetic effect by blocking the Na^+ channel to achieve instant pain relief.

Floral Botox - Muscle Relaxation Mechanism



Spilanthol can achieve muscle relaxation by blocking the Na+ channel to have a local anesthetic effect, to relieve dynamic wrinkles on the skin.

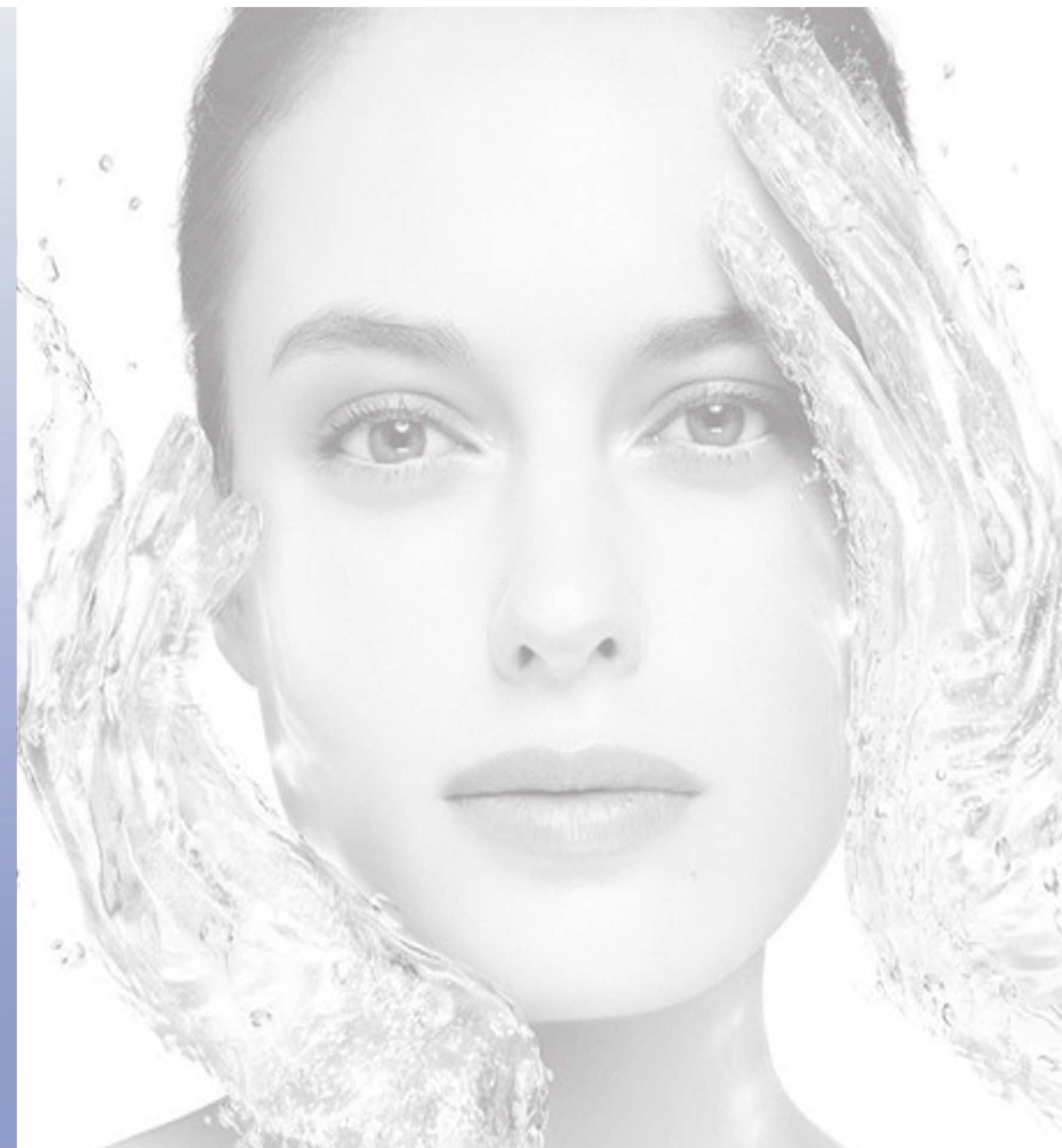
BotaFill BF-3™



Refill

Herbal Dermal filler

Fills in skin depressions and
increases skin firmness.



Herbal Dermal filler - Ficus Pumila (Aiyu)



Plant Family :

Moraceae Family and Ficus Genus

Origin :

Ali Mountain, Taiwan

Traditional Use :

- Aiyu seeds content rich pectin, have unique gel properties. When Aiyu seeds are added in water, the pectin will release into the water to form a transparent gel.
- In ancient times women discovered that applying it to the face could effectively beautify the skin.
- Aiyu gel not only improves the skin hydration and elasticity, also makes the skin look plumper and firmer.



Ficus Pumila (Aiyu)

The purest environment breeds the best ingredients.

The altitude of Ali Mountain ranges from 1,400 to 2,600 m, and the average temperature is about 10°C. The Ali mountain are shrouded in clouds all year round, and the afternoon mist fills the air. In this unique natural environment, Aiyu is absorbing pure air and moisture, which makes its rich in pectin, and containing higher levels of active ingredients.



Ficus Pumila (Aiyu)

A precious gift from Ali Mountain

Aiyu is a native plant unique to Taiwan that was first published by a Japanese botanist in 1904.

The main fruit season of Aiyu is from August to December each year. It needs to be carefully cultivated in the Ali Mountain, which are over 1,300 meters high. From breeding to extracting the first Aiyu fruit, it takes a long wait of 4 years. The fruit is only hand-picked when the pectin content reaches its optimal state.



Ficus Pumila (Aiyu)

Natural Plant Stem Cell

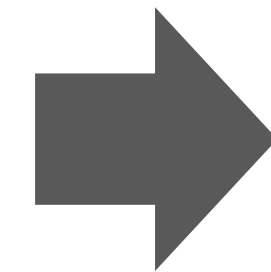
The seeds hidden inside the Aiyu fruit contain a rich supply of nutrients, including vitamins, minerals and other trace elements, which are essential for the growth of living. Aiyu seeds have unique biological activity. These nutrients not only help Aiyu grow and reproduce, but are also of great value to human health. It is considered to promote skin regeneration and repair, and slow down aging.

Herbal Dermal filler production process

NEO-WHITE™ Technology



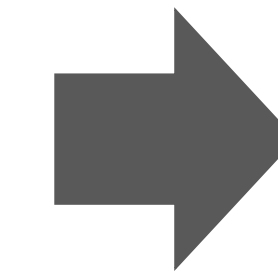
Aiyu fruit



take
out



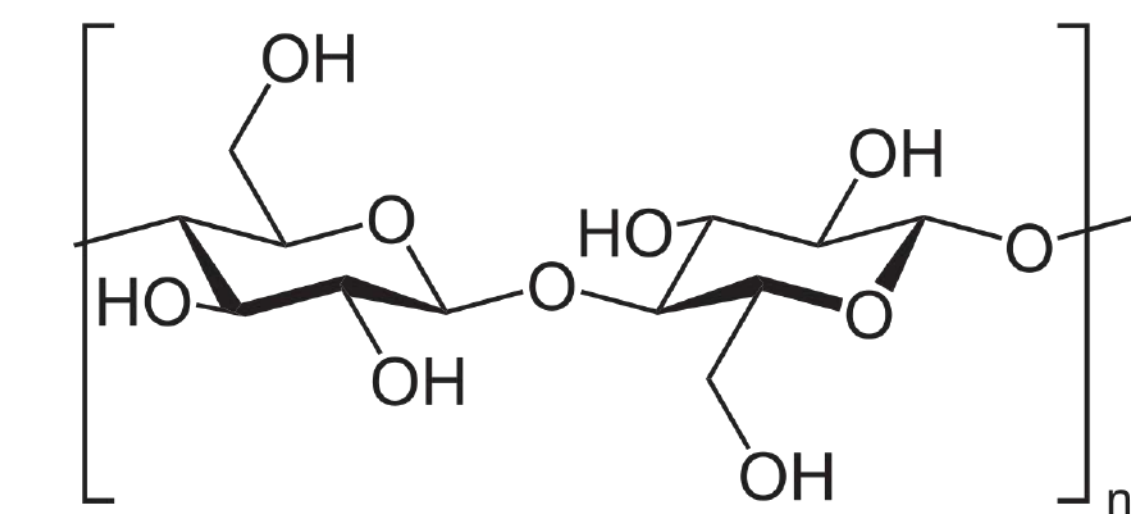
Aiyu seeds



 NEO-WHITE™



Pectin



β-glucan

The NEO-WHITE™ Enzyme-Cut technology breaks down Aiyu seeds into small molecules, which can be better absorbed into the skin.

Herbal Dermal Filler - Mechanism

The Principle of Supporting Skin Texture

1. The Aiyu seeds are enzyme-cut into small molecules to make them easier to penetrate the skin.
2. When the small Aiyu molecules contact with the trace calcium ions in the skin, they can form a stronger 3D structure, support the skin texture, effectively fill in the skin's depressions, and enhance skin firmness.

From : Wang, F. W., Geri, M., Chen, Y. J., Huang, J. R., McKinley, G. H., & Chen, Y. L. (2022). Rheo-chemistry of gelation in aiyu (fig) jelly. Food Hydrocolloids, 123, 107001.

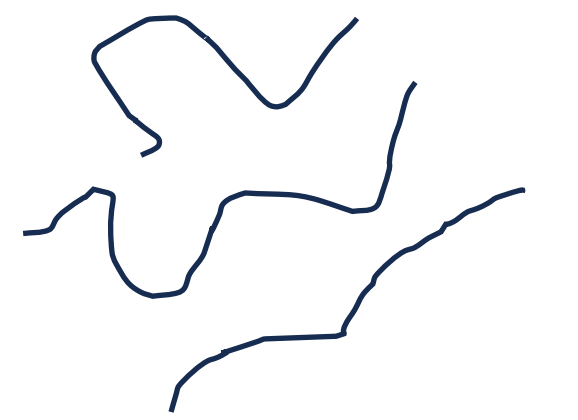


Aiyu seeds

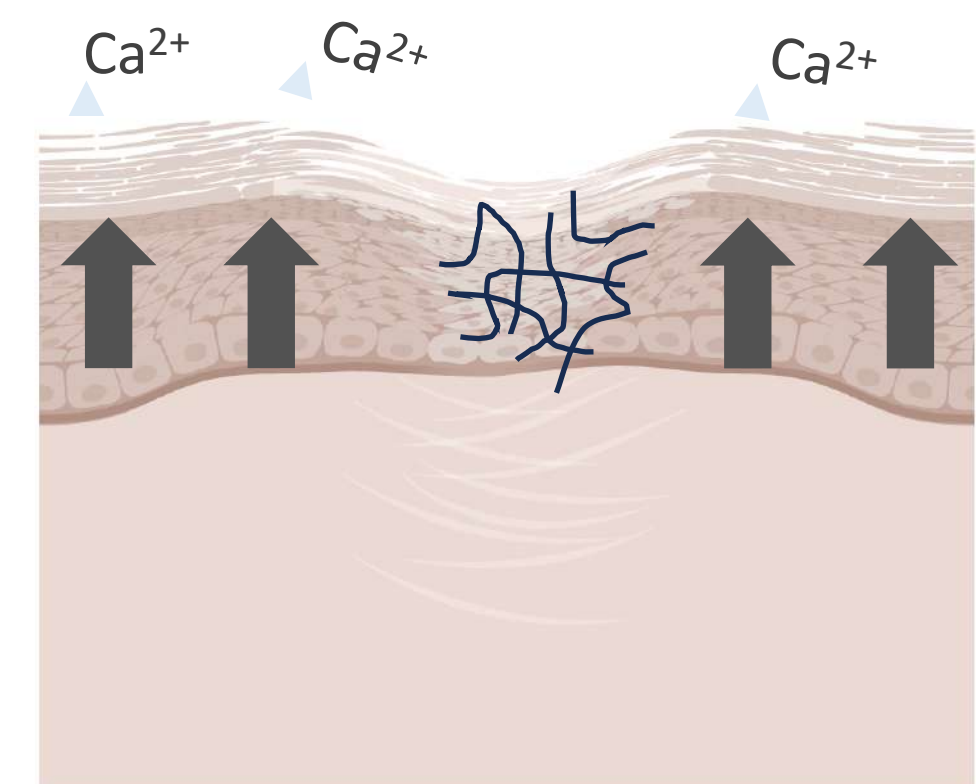
Enzyme Cut



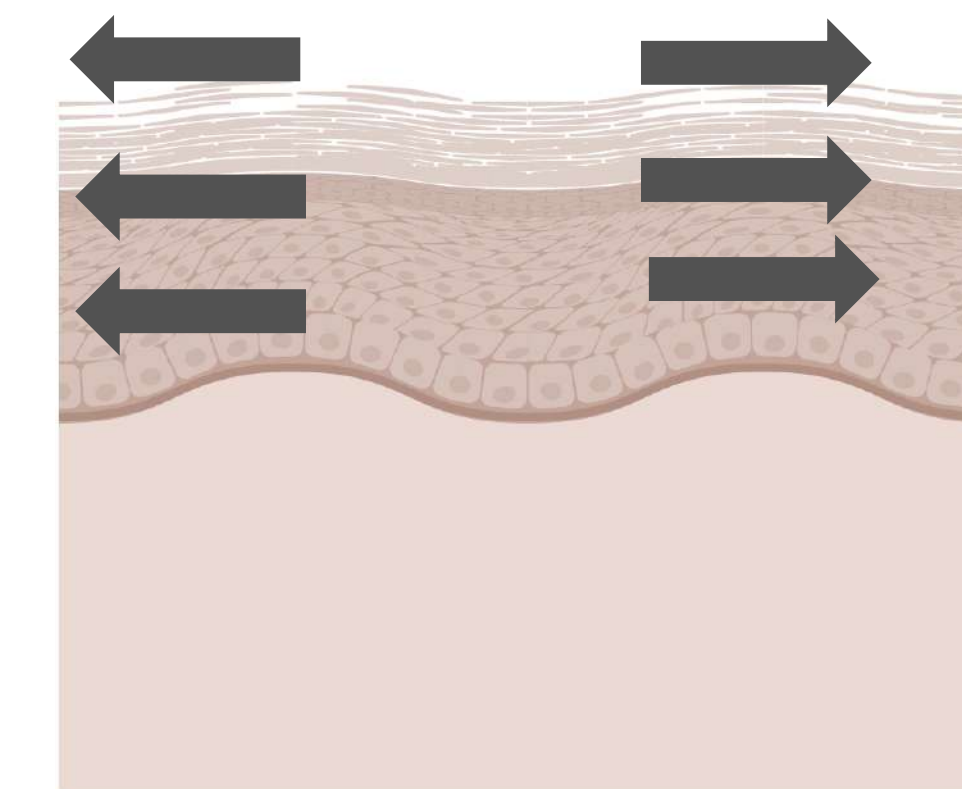
Small Molecule
2D Structure



3D Structure



Sagging Skin



Remove Wrinkles



Herbal Dermal filler - Mechanism Literature

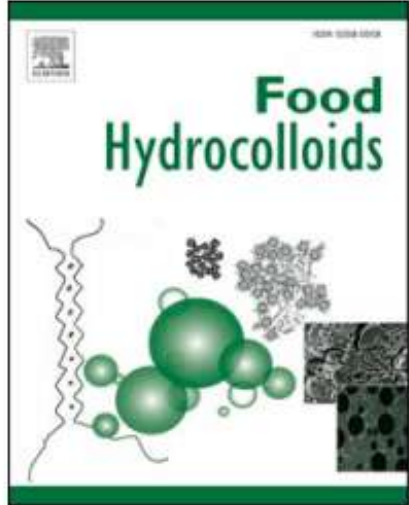
Food Hydrocolloids 123 (2022) 107001



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journal homepage: www.elsevier.com/locate/foodhyd





Rheo-chemistry of gelation in aiyu (fig) jelly

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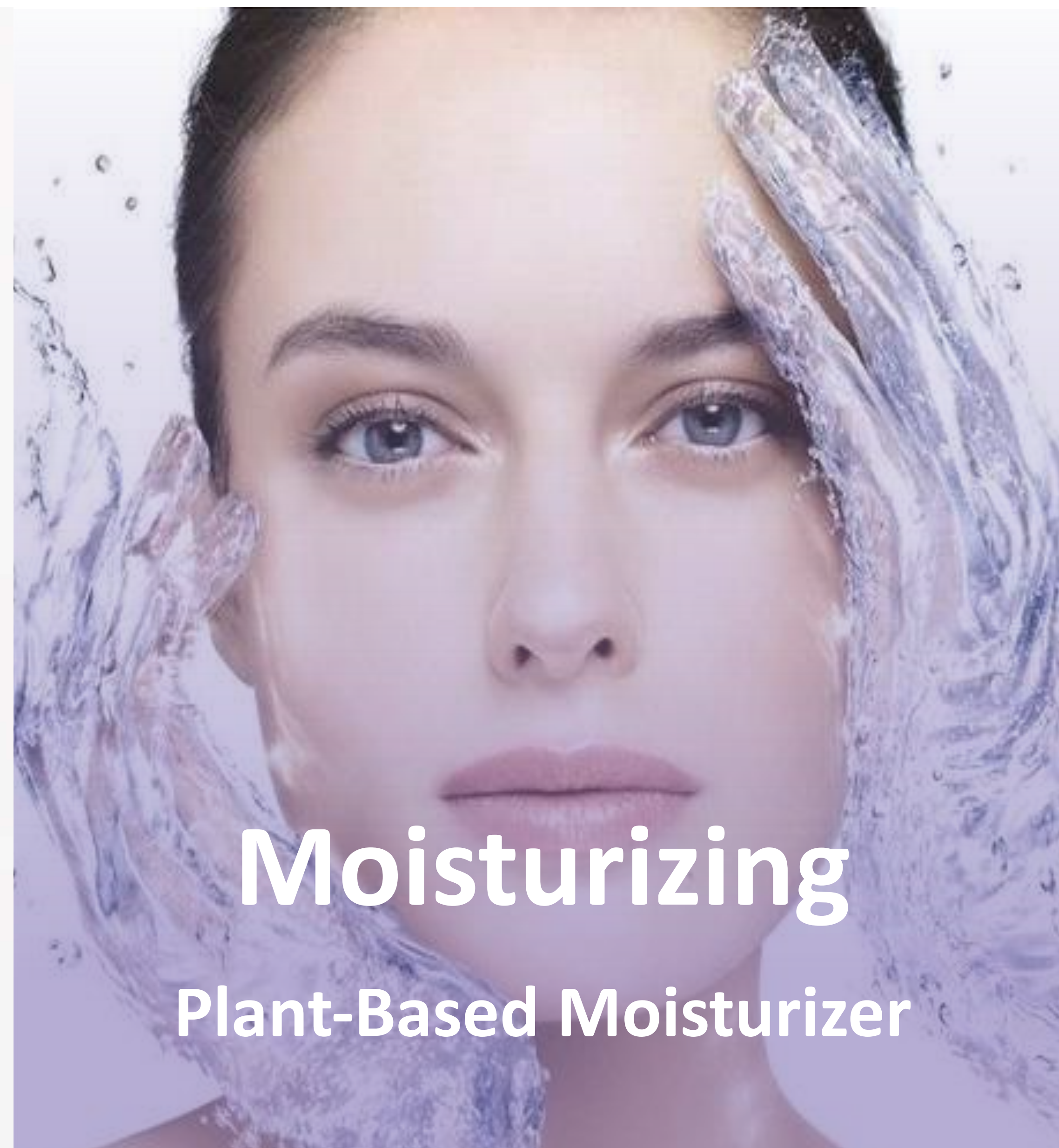
Keywords:
Physical gelation
Methylesterase
Pectin gelation
Rheology
Cryo-SEM

ABSTRACT

We investigated the gelation characteristics of aiyu jelly derived from the polymeric extract obtained by washing the seeds of *Ficus Pumila* var. *Awkeotsang*. The main gel component is low methoxyl pectin, which forms crosslinks with divalent ions that bind the exuded polysaccharide chains. Unlike many fruit pectins used in jam and jellies that require heating, additional sugars, and acidic conditions to gel, the aiyu exudate gels at room temperature with just the addition of water. In this study, the time-resolved dynamics of the gelation process and the evolution of the viscoelastic relaxation spectrum with frequency and gel age are obtained via Optimally Windowed Chirp rheometry (OWCh), conventional time-sweep rheometry, and cryo-scanning electron microscope (cryo-SEM) microstructural characterization.

From : Wang, F. W., Geri, M., Chen, Y. J., Huang, J. R., McKinley, G. H., & Chen, Y. L. (2022). Rheo-chemistry of gelation in aiyu (fig) jelly. Food Hydrocolloids, 123, 107001.

BotaFill BF-3™



Moisturizing Plant-Based Moisturizer

Increase skin hydration to
strengthen the skin's epidermal
barrier.

Plant-Based Moisturizer - Erythritol



Effects :

Moisturizing is an important factor in maintaining the skin barrier function. Hydrated skin can more effectively resist external environmental damage.

Erythritol has strong moisturizing and hygroscopic properties. It does not has the sticky feeling.

Plant-Based Moisturizer - Erythritol



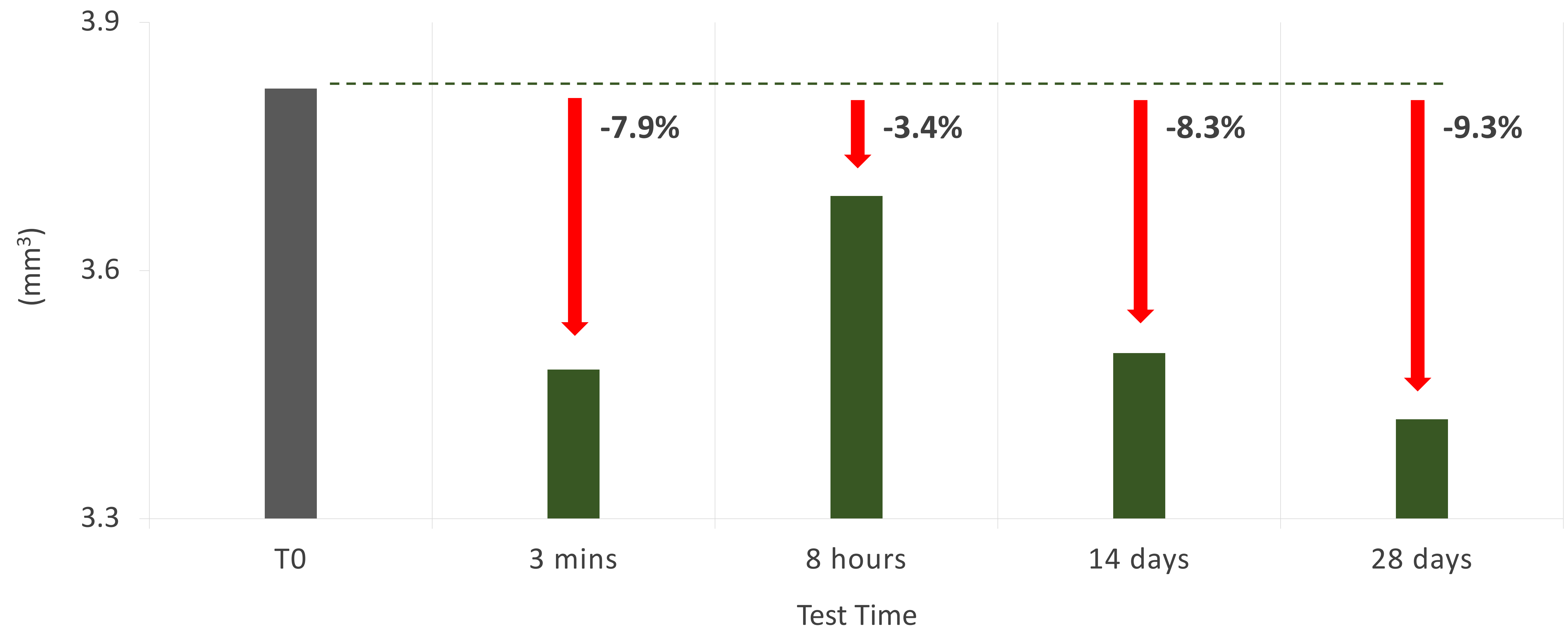
Production Process :

Erythritol is produced through biological fermentation technology. Enzyme hydrolysis of corn starch is used to produce glucose, which is then fermented with yeast to produce natural erythritol.

BotaFill BF-3™ Clinical Tests

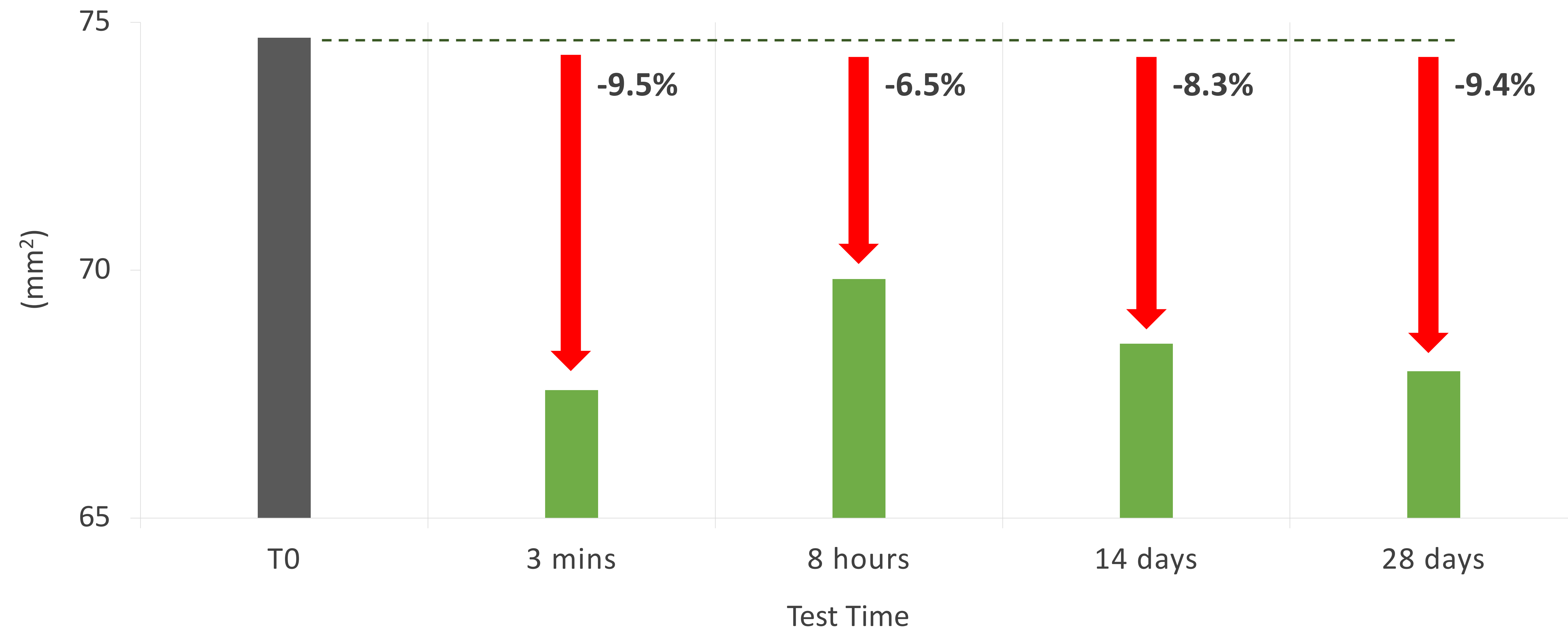
Purpose	Evaluate 10%BotaFill BF-3™ serum anti wrinkle effect
Condition	20 females, aged 40-55
Samples	10%BotaFill BF-3™ serum
Time	4 test points (Before use, after 3 minutes, 8hours, D14, D28)
Method	Subjects 10%BotaFill BF-3™ serum twice a day, morning and evening, to the entire face.
	Before the test, the subject will wash their entire face, and then use the instrument to evaluate

BotaFill BF-3™ Clinical Tests - Wrinkle volume



BotaFill BF-3™ can **decrease** wrinkle volume by **7.9%** after 3 mins, and **9.3%** after 28 days

BotaFill BF-3™ Clinical Tests - Wrinkle size



BotaFill BF-3™ can **decrease** wrinkle size by **9.5%** after 3 mins, and **9.4%** after 28 days

Q : Why is 3 minutes better than 8 hours?

A :

- When first applied, BotaFill BF-3™ are instantly absorbed into the skin, restructuring the skin texture and showing the same skin improvement effect as after one month.
- After 8 hours, the active ingredients are absorbed by the skin, so the instant filling effect temporarily decreases.
- As BotaFill BF-3™ is metabolized in the skin, it has a deep effect on the skin tissue.
- After 14 and 28 days of continuous use and evaluation, the results proved that BotaFill BF-3™ has long-term anti-wrinkle efficacy and can effectively reduce the volume and size of wrinkles.

BotaFill BF-3TM Consumer test - 3 minutes

Before



After



After 3 minutes of using BotaFill BF-3TM, wrinkles are instantly reduced.

BotaFill BF-3TM Consumer test - 8 hours

Before



After



After 8 hours of use, BotaFill BF-3TM still has a significant improvement effect.

BotaFill BF-3TM Consumer test - 28 days

Before



After



After 28 days of using BotaFill BF-3TM, wrinkles are significantly reduced.

- ## Excellent safety





Compliance

- ✓ INCI China IECIC
- ✓ COSMOS approved
- ✓ 100% Natural Origin (ISO16128)
- ✓ ESG concept
- ✓ Vegan suitable
- ✓ Halal suitable



Technical information

Properties	Description
Function	Instant and long-lasting anti-wrinkle
Origin	Taiwan
Dosage	1-10%
pH	5.5~7.5 (5% solution)
Appearance	Light yellowish brown liquid colloid
Shelf life	24 months
INCI	Water, Ficus Pumila Seed Extract, Spilanthes Acmella Flower Extract, Erythritol, 1,2-Hexanediol



References

1. Prachayasittikul, V., Prachayasittikul, S., Ruchirawat, S., & Prachayasittikul, V. (2013). High therapeutic potential of *Spilanthes acmella*: A review. *EXCLI journal*, 12, 291–312.
2. Wang, F. W., Geri, M., Chen, Y. J., Huang, J. R., McKinley, G. H., & Chen, Y. L. (2022). Rheo-chemistry of gelation in aiyu (fig) jelly. *Food Hydrocolloids*, 123, 107001.
3. Potential Antioxidant and Anti-Inflammatory Effects of *Spilanthes acmella* and Its Health Beneficial Effects: A Review(2021) *Int J Environ Res Public Health*. 2021 Apr; 18(7): 3532.
4. Jelly Fig (*Ficus awkeotsang* Makino) Exhibits Antioxidative and Anti-Inflammatory Activities by Regulating Reactive Oxygen Species Production via NFκB Signaling Pathway(2022) *Antioxidants* (Basel). 2022 May; 11(5): 981.