

# ULTRA WHITE

BE REBORN WITH A SHINY FACE

 COSMODERMA





## ULTRA WHITE INTRODUCTION

### Demela Lumina Meso Ampoule

Get a clear and a transparent skin with intensive care of melanin generated deep in the roots!

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- **Demela Lumina Meso is a solution that intensively improves blemishes, and the whitening complex. Improves deep-rooted skin spots, its cause, and maintains a bright skin.**
    - Tranexamoyl-Dipeptide 22, Arbutin, idebenone, and oil-soluble licorice extract block the action of tyrosinase on tyrosine.
    - Niacinamide, N-Acetyl Glucosamine), Pantothenic Acid prevents melanin from entering the skin cells.
    - VIT-C, Glutathion, Arbutin is a powerful antioxidant that inhibits the melanin production in the early stages of melasma formation.
  - **Anti-aging and skin elasticity improvement through skin regeneration. Tetrapeptide, Oligopeptide-2(IGF-1), Polypeptide-1(bFGF) etc.**

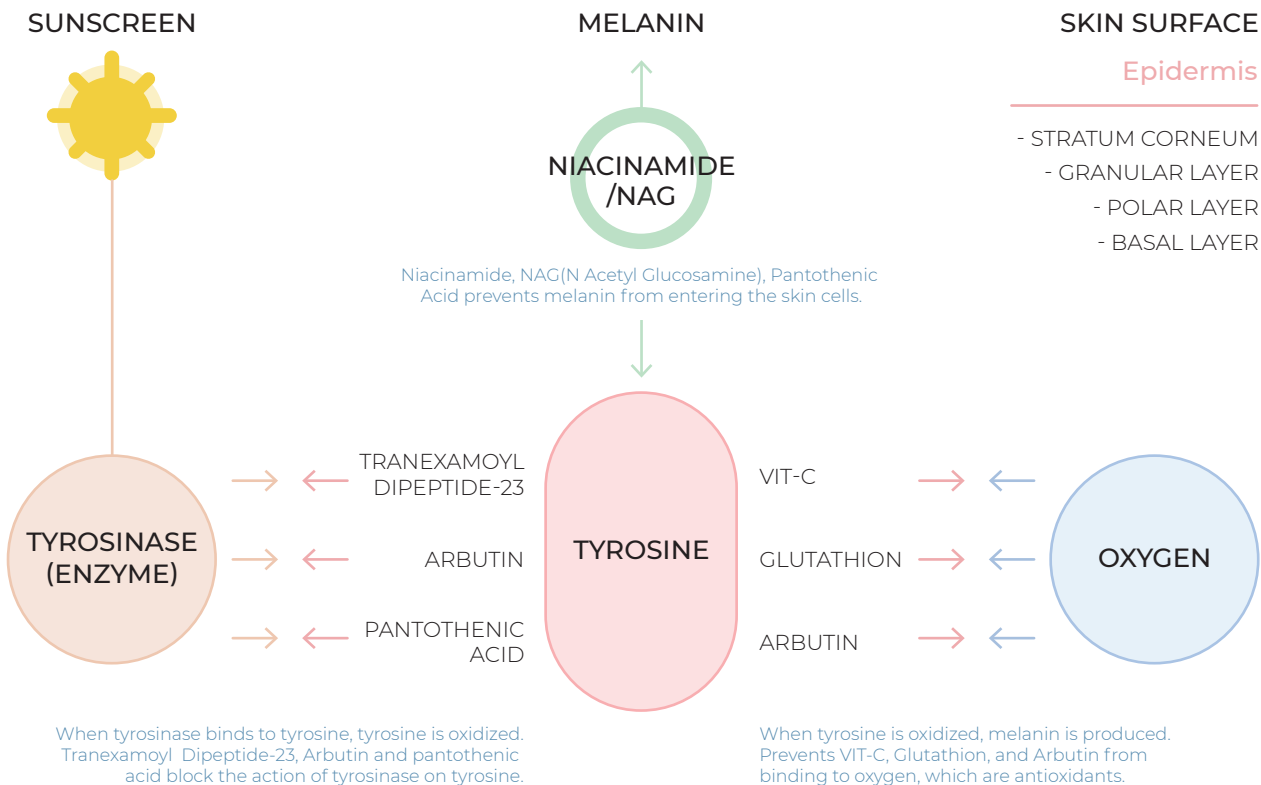
## MAIN INGREDIENTS

Tranexamoyl Dipeptide-23, Tetrapeptide, Oligopeptide-2(IGF-1), Polypeptide-1(bFGF), Glutathion, Vitamin C, N-acetyl glucosamine, Sodium DNA, Albutin, Niacin Amide, Pantothenic Acid(Vit-B5)

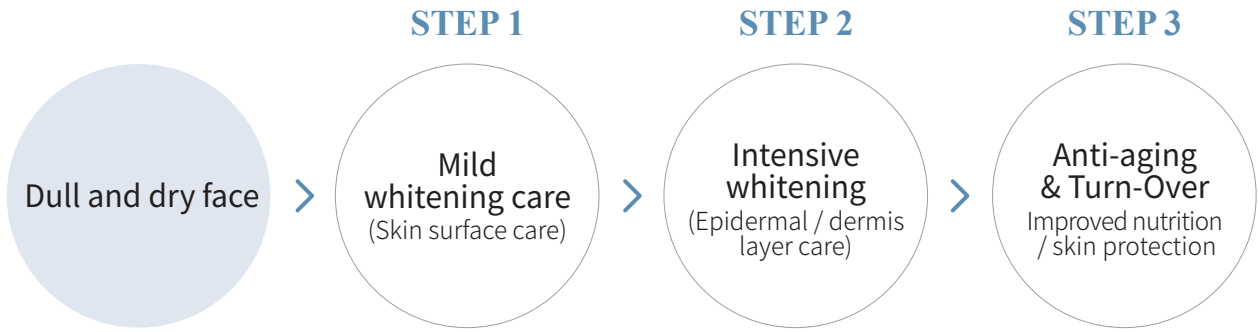
## PURPOSE

- Intensive whitening care for dull areas such as severe blemishes.
- Anti-aging, skin elasticity, and skin turnover action.

## PROCESSES THAT PREVENT MELANIN PRODUCTION



# ULTRA WHITE WHITENING MECHANISM



## DN-AID™

The root cause of aging care.

## TRIPLE SHIELD

The underlying cause of pigmentation care.  
[Line Common Concept]

### TYROSINASE PERFECT BLOCKING

- Blocks the production environment of tyrosinase
- Inhibition of tyrosinase production
- Tyrosinase activity inhibition

## 5 STEP

## LUMINIZING VECTOR

Step-by-step whitening program  
From the inside of the skin to the surface of the skin creates a perfect whitening coping & care.

### STEP 1

Skin surface melanin care

### STEP 2

Melanin synthesis signalblock

### STEP 3

Inhibition of tyrosinase activity

### STEP 4

Inhibition of melanosome metastasis

### STEP 5

Collagen growth and skin protection

## PERFECT LUMINUS REVOLUTION

- Origin care for pigmentation and whitening effect that can be maximized to a Step 5 Perfect Care
- Perfect whitening care from the inside to the surface.
- DN-aid™ + Triple Shield + 5steps Luminizing Vector

# ULTRA WHITE INGREDIENTS LIST

NO	INGREDIENTS	REMARK
1	Sterile Water	
2	Sodium Chloride	Dissolution diluent
3	Tranexamoyl Dipeptide-23	Whitening peptide (spot, melanin suppression)
4	Tetrapeptide	Anti-aging/skin elasticity
5	Oligopeptide-2(IGF-1),	Anti-aging/skin elasticity
6	Polypeptide-1(bFGF)	Anti-aging/skin elasticity
7	Glutathion	Antioxidant, melanin suppression
8	Vitamin C	Whitening
9	N-acetyl glucosamine	Antioxidant, anti-aging
10	Sodium DNA	Anti-aging/skin elasticity
11	Albutin	Whitening
12	Niacin Amide	Melanin suppression
13	Pantothenic Acid(Vit-B5)	Melanin suppression
14	1,2 Hexanediol	Preservative
15	Disodium Phosphate	pH adjustment

Sterile Water, Sodium Chloride, Tranexamoyl Dipeptide-23, Tetrapeptide, Oligopeptide-2(IGF-1), Polypeptide-1(bFGF), Glutathion, Vitamin C, N-acetyl glucosamine, Sodium DNA, Albutin, Niacin Amide, Pantothenic Acid(Vit-B5), 1,2 Hexanediol, Disodium Phosphate



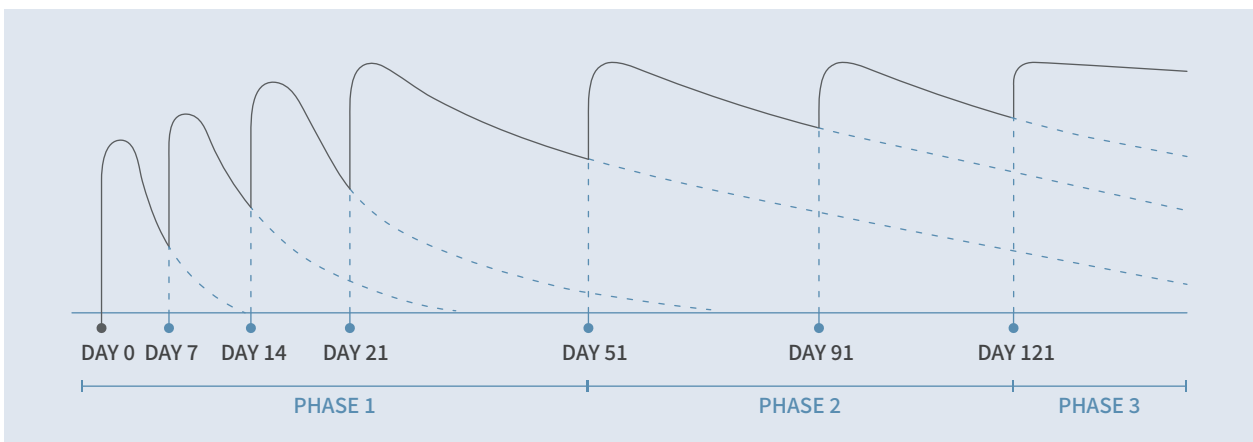
# ULTRA WHITE HOW TO USE

Mesotherapy is a biological and progressive treatment that requires a minimum of 6 sessions [3 months] for a skin visibly whitened.



## TREATMENT PACE - 3 PHASES

- PHASE 1** – Initialize ..... 4 SESSIONS WITH ONE WEEK TO 15 DAYS INTERVALS
- PHASE 2** – Repair ..... 2 SESSIONS WITH ONE MONTH INTERVAL
- PHASE 3** – Maintain ..... 1 SESSION EVERY 2 TO 6 MONTHS



Determine suitable treatment intervals according to the indications of each patient.

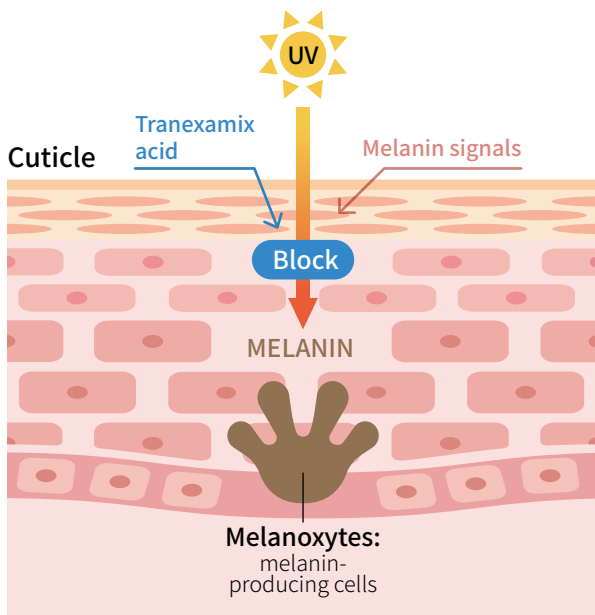
# Ref. Tranexamoyl-Dipeptide 22

WHITENING PEPTIDE; TRANXELL-V10

## Whitening mechanism

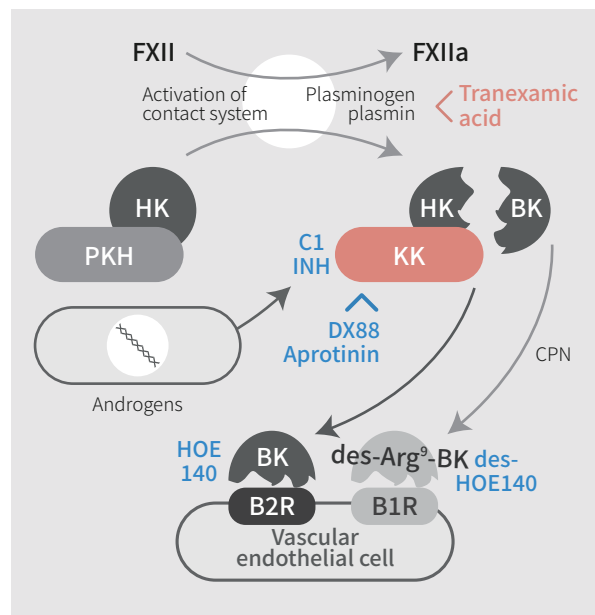
### TRANEX-1 MECHANISM WHITENING

Tranexamic acid has a structure similar to melanin and acts as a competitive inhibitor to inhibit the activity of tyrosinase.



### TRANEX-1 MECHANISM DARK CIRCLE

Tranexamic acid inhibits the activity of kallikrein (KK; kallikrein). Prevents the expansion of blood vessels, improving dark circles.

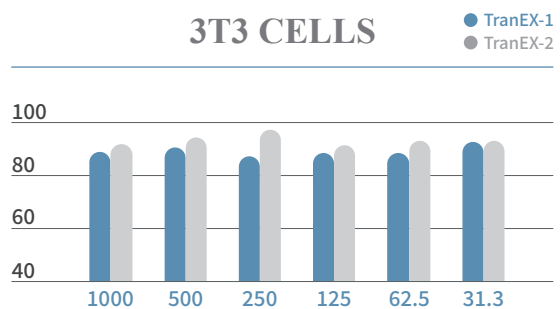
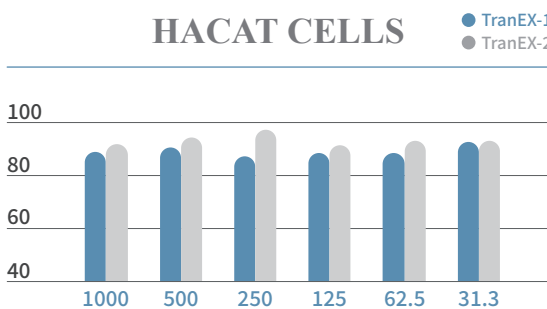


# Ref. Tranexamoyl-Dipeptide 22

WHITENING PEPTIDE

## TranEx-1 Cytotoxicity test

TranEX-1 applies to all. It was confirmed that there was no toxicity in the dose.



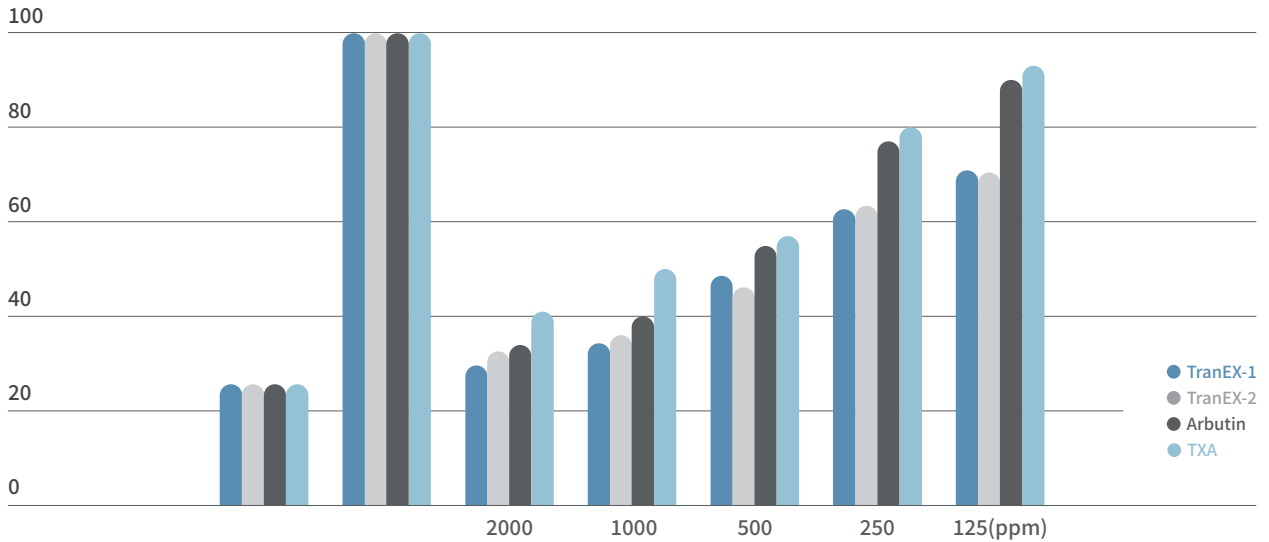
NOTE.  
HACAT cells: Human keratinocyte  
3T3 cells: Mouse fibroblast

# Ref. Tranexamoyl-Dipeptide 22

WHITENING PEPTIDE: TRANXELL-V10

## TranEx-1 Inhibitory ability of intracellular melanin production

TranEX-1 had similar or better efficacy to Arbutin used as a control, Shows superior ability to inhibit melanin production compared to TXA.



### NOTE.

NO assay: Experimental method to check the concentration of NO, a mediator of inflammatory substances, using a dye called Griess reagent

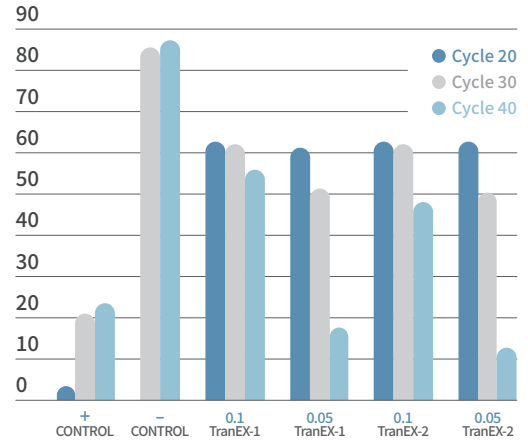
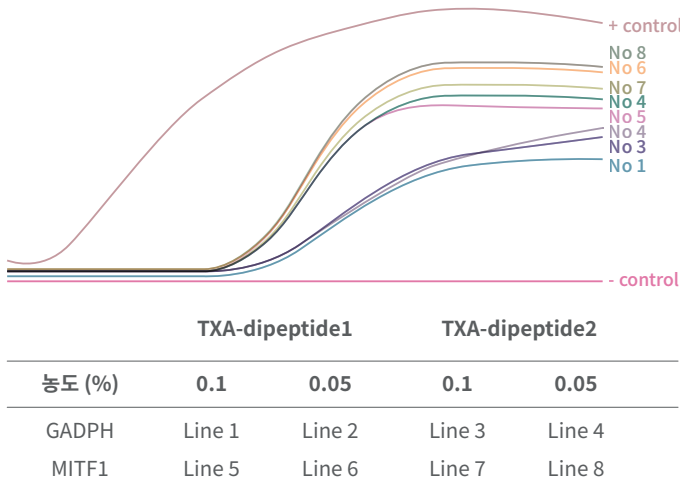


# Ref. Tranexamoyl-Dipeptide 22

WHITENING PEPTIDE: TRANXELL-V10

## TranEx-1 Efficacy evaluation(qRT - PCR)

RESULT: Inhibitory ability of 62.19% was confirmed based on 20 cycles of MITF, which is involved in melanin production.



**NOTE.**

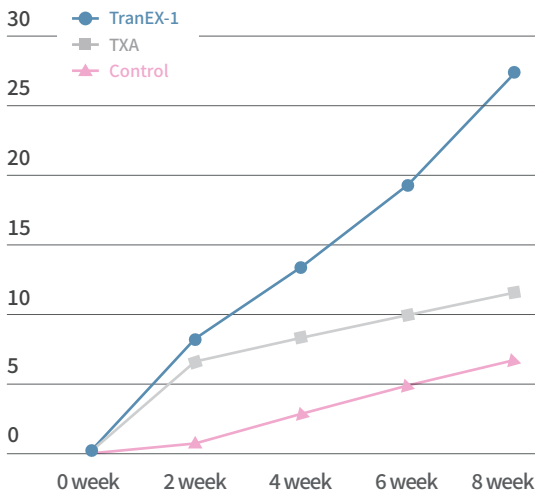
qRT PCR (quantitative Real time PCR): A test method that enables rapid, simple and accurate quantification by monitoring the increase in PCR amplification products in real time. GAPDH (Glyceraldehyde 3-phosphate dehydrogenase): A type of protein used as a control to correct the results in an experiment.

# Ref. Tranexamoyl-Dipeptide 22

WHITENING PEPTIDE

## Clinical trial

Whitening improvement rate compared to control group : 235.9%



**Target age** 30s-50s  
**Test subject** dark circle improvement, blemish improvement  
**Experiment period** 4-8 weeks (duplicate test)

	Change % of melanin index <sup>a</sup>				
	0 week	2 week	4 week	6 week	8 week
TXA-dipeptide	0	8.1	13.2	19	26.8
TXA	0	6.5	8.2	9.8	11.4
Control	0	0.7	2.8	4.8	6.6

<sup>a</sup> [(M0-Mw)/M0] × 100

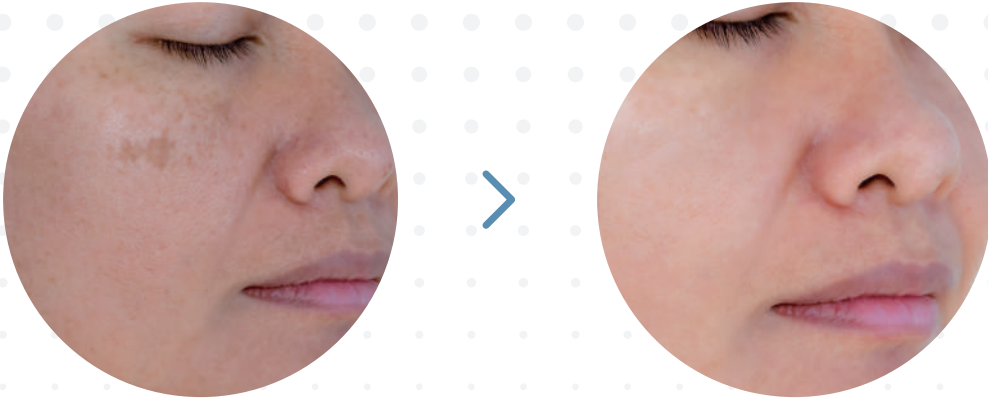
**M0** Melanin index of 0 week, before using test cream

**Mw** Melanin index of W (2~8 week respectively)

# ULTRA WHITE CLINICAL DATA

01

30 years old / Female / **Improved whighting effect, Pore and Pigmentation**



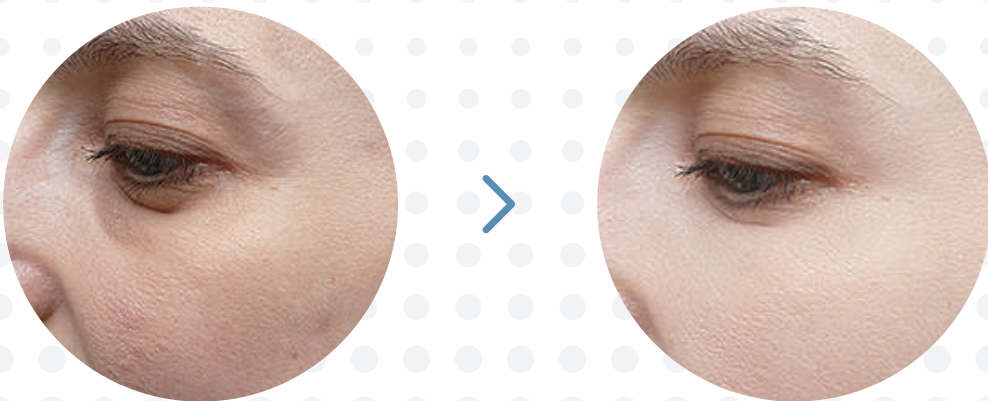
02

Female / **Improved Melasma, Pigmentation**



03

Female / **Improved Dark circle, Pigmentation**



# ULTRA WHITE CLINICAL DATA

04

30 years old / Female / **Improved acne, Pigmentation and Whitening effect**



05

Male / **Improved Acne scar, Pore, Pigmentation**



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