

Whitening and Brightening



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Celcode is at the forefront of whitening and brightening product development in the beauty industry.

Our research has been focused on going beyond the usual active ingredients for these purposes, seeking more effective and safer alternatives to things like Alpha Arbutin and Kojic Acid.

To that end, we've developed an array of products containing third-generation whitener as well as age-spot correctors.

Discover some of our whitening and brightening ingredients



Melazap

Mela-glow

Tranexamic
Acid

MELAZAP

The 3rd-Generation Complexion Whitener

Melazap has natural origins - it is extracted from the *Arisaema amurense* plant, then purified non-chemically so that it takes the form of a concentrated phyto whitener.

The result: a natural, ultra-effective solution for skin whitening.



Nobel-Prize Winning
Whitening Ingredient

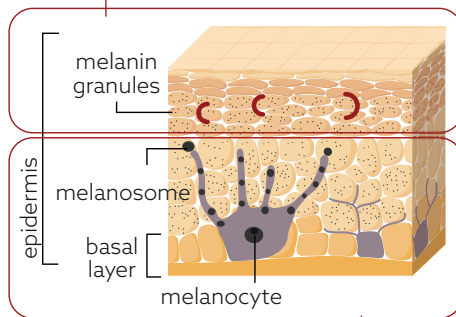
How Melazap Works:

New Whitening Technology

This award winning ingredient is a combination of the first and second generation whiteners - it can both erase melanin and inhibit its production.

Erasing

The whitening ingredient erases melanin granules in the skin



Inhibition

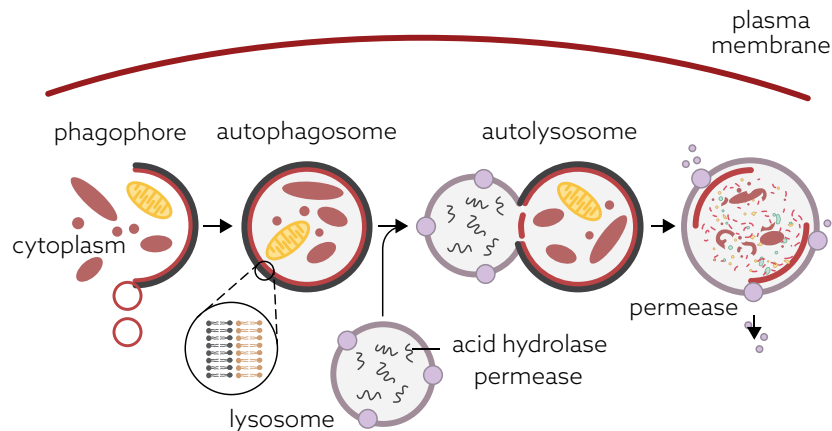
Melazap inhibits the production of melanin through Melanophagy

Melanophagy: An Autophagy Mechanism

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Melanophagy mechanism (Autophagy)



Step 1

Melanin granules are enclosed by phagophore.

Step 2

Autophagosomes are formed and lysosomes bind by autophagosomes.

Step 3

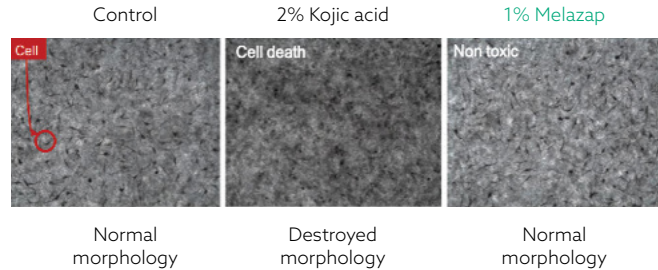
Melanin granules are perfectly disassembled to amino acids.

The Benefits of Melazap

In efficacy testing, this new-age ingredient has superior whitening effects that have been clinically proven and verified.

More safe, effective and non-toxic than Kojic Acid

In vitro test: Melazap showed a better efficacy for whitening against Kojic acid while retaining normal skin morphology



Faster and better whitening effect than Alpha Arbutin

In vivo test: Rapid results in 2 weeks for reduced hyperpigmentation

Safe for sensitive skin

In vivo test: Verified non-irritation and non-toxic formula, based on a comprehensive patch test



MELA-GLOW

The ultimate solution for age spots

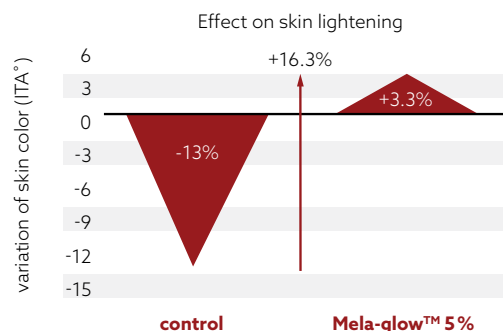
Derived from the Satsuma mandarin, mela-glow is another tyrosinase inhibitor. This ingredient promotes complexion lightening and age spot depigmentation.

The Benefits of Mela-glow

28% decrease in colour intensity of age spots

In vivo test: 5% Mela-glow cream applied twice daily to hand for six weeks showed significant whitening of age spots

71% of panellists noticed a decrease in intensity of age spots



BEFORE



AFTER



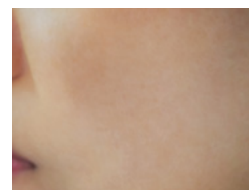
16.3% increase in skin lightening

In vivo test: 5% Mela-glow cream applied twice daily to face across 2 summer months helped whiten skin by 16.3%

BEFORE



AFTER



Up to 50% reduction in melanin quantity

In vitro test: 3% Mela-glow test on Melanocyte lines showed 46% decrease in tyrosinase activity

TXA Dipeptide

Award-winning anti-freckle whitening

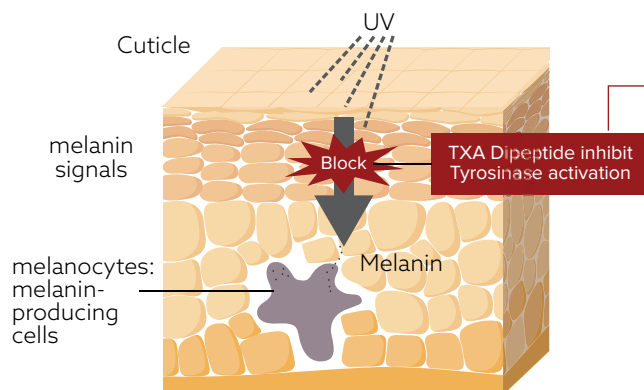
TXA Dipeptide is a vitamin peptide which has been found to have an excellent effect in treating freckles on the skin. It has also been verified to have a lightening effect on dark circles.



Awarded the grand prize for Best Patent Products in 2018



How TXA Dipeptide Works



Inhibits Tyrosinase Activation

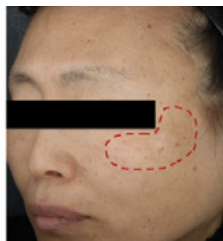
With a structure similar to melanin, TXA Dipeptide acts as a competitive inhibitor inhibits tyrosinase to suppress melanin production and boosts whitening efficacy.

The Benefits of TXA Dipeptide

235.9%

**whitening
improvement rate**

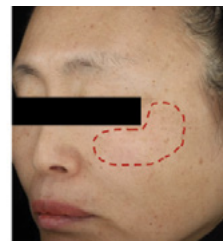
In vivo test: Application of more than 5 times weekly for 4-8 weeks



0 week



4 week



8 week



**Verified non-toxic
ingredient**



**Higher whitening
efficacy**

More excellent inhibition of melanogenesis than TXA, and higher effectiveness than Alpha Arbutin



**Effective reduction
of dark circles**

Inhibits Kallikrein (KK) activity and blood vessel expansion