

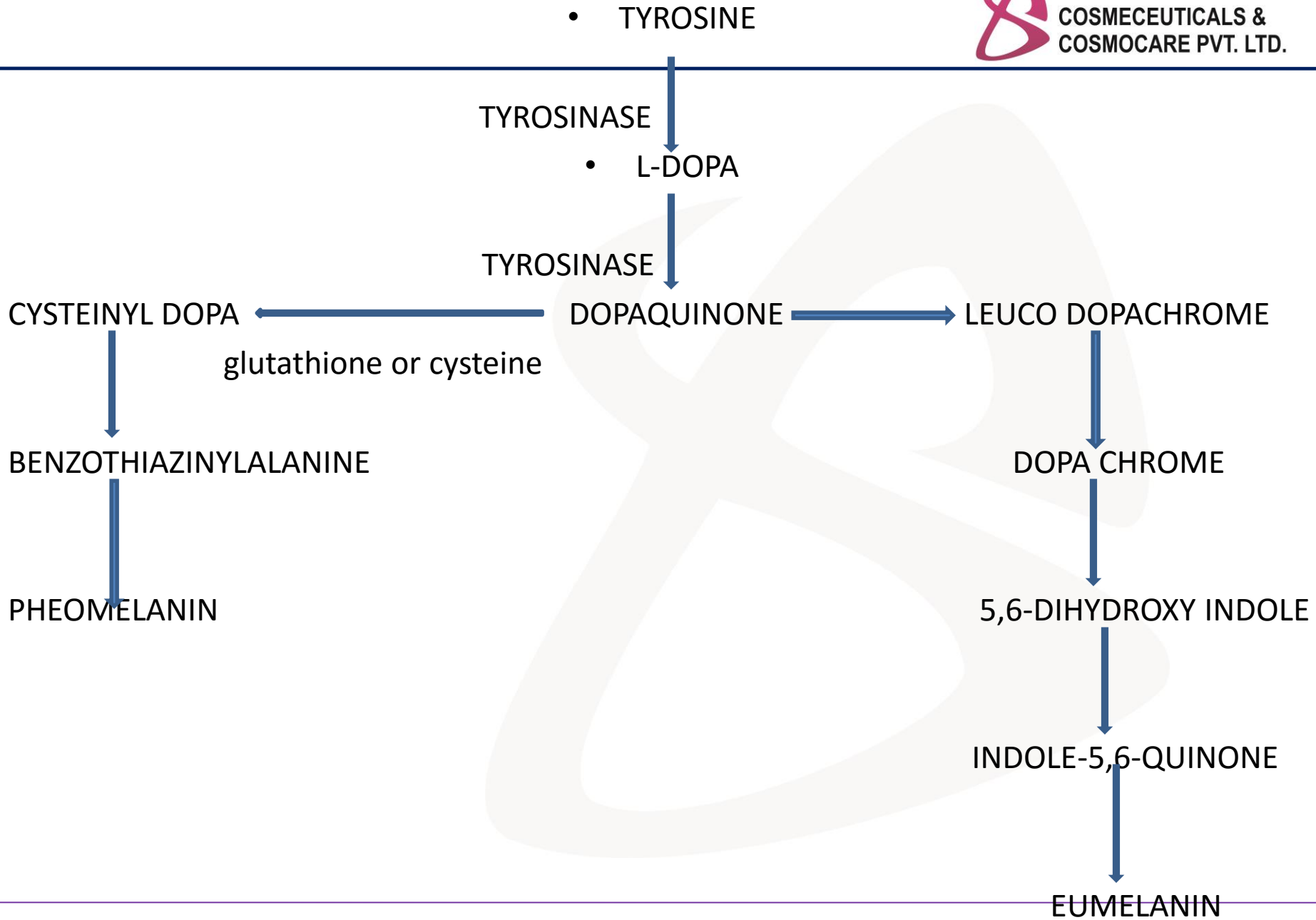
Mesotherapeutic solution
with Biomimetic Peptides for Skin lightening, Xtra
Lightening

SKIN

- Skin is an important barrier, which protect the internal organs of the body from the physical damage.
- It comprises of nearly 16% of the body weight.
- it is the mirror of the state of health of the body.
- Skin, plays an important role in the field of aesthetic.

Color of the skin.

- Skin gets its color from the pigment known as melanin.
- Melanin is synthesized from the amino acid tyrosine, with the help of the enzyme tyrosinase.
- The enzyme tyrosinase plays an important role in the synthesis of melanin
- There are two types of melanin: eumelanin and pheomelanin.



Xtra Lightening solution

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Treatment for hyperpigmentation with biomimetic peptides.

Xtra Lightening

- Xtra lightening is designed for the skin condition where there is excessive synthesis of melanin.
- Skin condition such as, Melasma, age spots and freckles.
- It provides a clearing effect, illuminating, homogenizing and depigmentating the skin recovering it's vitality, transparency & luminosity.
- It is indicated for the skin treatment with age spots, skin matte with dyschromias of hormonal origin (pregnancy, menopause), by excess of exposure to sunlight, or by skin ageing and for the skin revitalization and miniaturization.
- It regulates melanin synthesis.
- Reduces pigmentation, age spots and freckles.

Composition- Arbutin

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- It inhibits effectively the tyrosinase activity and the melanin production as well.
- Thanks to the structural similarities with the substrate of the tyrosinase, the arbutin would act following a mechanism of competition, thus linking itself to the active areas of the enzyme.

Glycyrrhiza Uralensis (Licorice) Root Extract:

- The action mechanism is on one hand, the inhibition of the enzyme tyrosinase (by competition with tyrosine or l-dopa), and a weight loss action of the melanin and its colored precursors.
- Liquorice extract also has anti-inflammatory properties by the inhibition of the superoxide anion synthesis and the cyclooxygenase activity.
- It also has an anti-aging effect because absorbs efficiently UVA/UVB radiation. Anti-free radical.

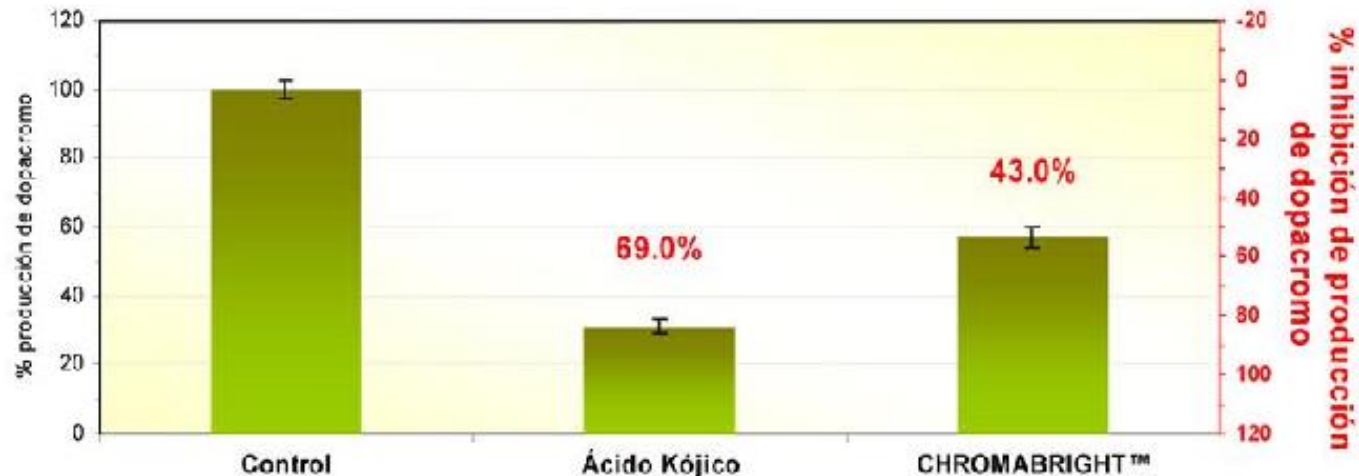
3-O-Ethyl Ascorbic Acid:

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- The ascorbic acid depigmentating activity is a result of an inhibitory action of the tyrosinase and the capacity of reducing dopaquinone until DOPA.
- This factor can help to avoid the melanin formation.

Chromabright

- It inhibits tyrosinase activity.
- Significantly depigmentating effect in melanocytes. The product produces a powerful whitening skin effect.
- Photoprotector effect over cell culture of human epidermis keratinocytes.
- It protects the skin from radiation induced- damage.



CHROMABRIGHT®
inhibited a 43% of the
human endogen
tyrosinase

Decapeptide -15

- Clearing and skin whitening.
- Solar protector. The skin tone remains uniform.
- It prevents the photoaging.
- Inhibits the melanin synthesis by an inhibition mechanism of the tyrosinase expression.
- Decapeptide-15 inhibits significantly the melanin synthesis in the melanocytes cell line.
- According to the cell morphology, a change in the melanosomes formation of the melanocytes with Decapeptide 15 in comparison with the control, was observed.
- When interferes a Decapeptide-15, the quantity of melanosomes is reduced and the colour has a clearer appearance.

Oligopeptide-50

- Inhibits the melanin synthesis due to the tyrosinase inhibition.
- It changes the melanocytes morphology. Induces the reduction of the melanin synthesis and the formation of melanosomes in melanocytes.
- It inhibits the expression of the melanogenesis indicator.

Oligopeptide- 34

- It inhibits the melanin synthesis.
- Reduces the tyrosinase activity.
- It produces a decrease of the melanosome formation in the treated melanocytes.

Oligopeptide- 51

- Inhibits the expression of the melanogenesis indicator and the melanin synthesis.
- Induces morphological changes in melanocytes.

Glutathione:

- The glutathione has a group SH reducer. This functional group can form a complex one with coal and also reduce dopaquinone until DOPA.
- The glutathione induces the formation of pheomelanin based on dopaquinone in detriment of the darker eumelanin formation.

Protocol:

- **Treatment Frequency**

- Normal Treatment

1st Phase: 1 session a week during the first month

2nd Phase: 1 session every 2 weeks during the second month

3rd Phase: 1 session a month during the third month.

4th Phase: 1 session every 2 or 3 months during 6 months

- Special - Intensive Treatment

1st Phase: 2 sessions a week during the first month

2nd Phase: 1 session a week during the second month.

3rd Phase: 1 session every 2 weeks during the third month.

4th Phase: 1 session every 1 or 2 months during 6 months.

- We can combine the lightning procedure , with a good homecare , like AHA , Skin Glow capsules.
- Application of Quintessence Vit C Serum, also will give improved results.

• *Thank You*