

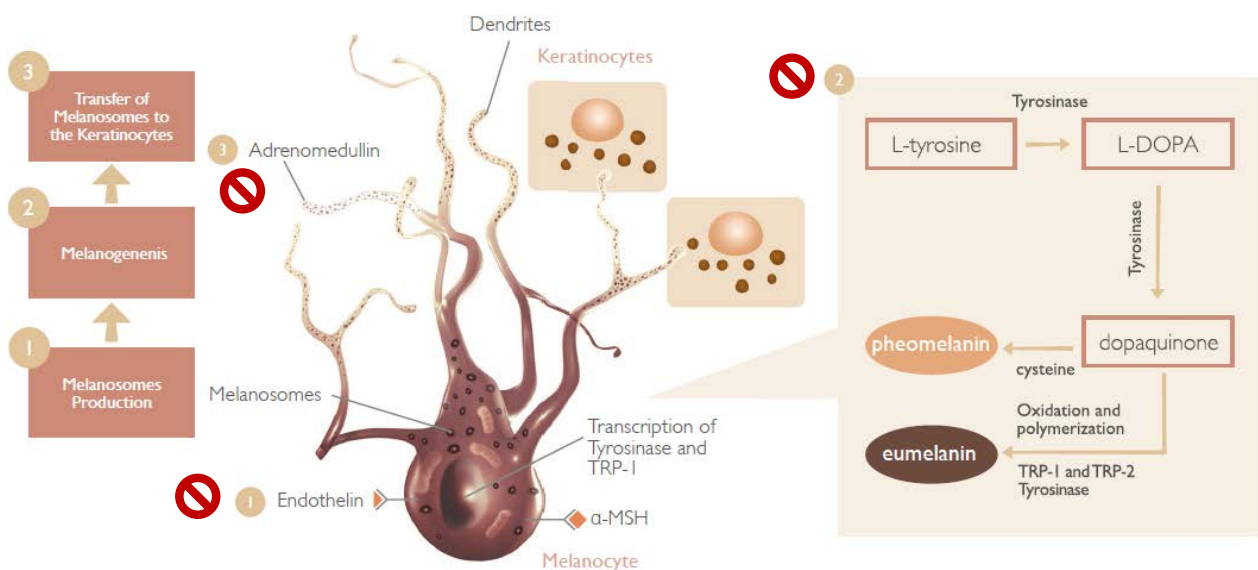
PRESS RELEASE

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Biolumitá®
Triple-action for more luminous-looking skin

Biolumitá is a powerful skin lightening agent that can also be used to balance uneven skin tones. Extracted from the rhizome of the Chinese Ginger plant (*Alpina officinarium*), it is rich in galangin, a compound from the flavonoid group. Biolumitá acts throughout the skin's natural three-step pigmentation process:

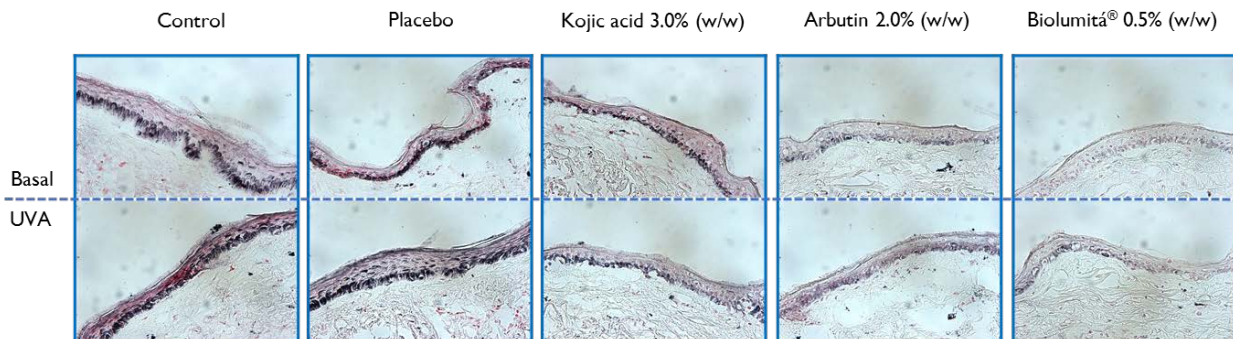
1. Production of melanosomes: Biolumitá works to reduce the production of endothelin-I, a peptide involved in the formation of melanosomes and essential to melanogenesis – the synthesis of melanin in its interior.
2. Melanogenesis: Biolumitá reduces the transcription of tyrosinase and TRP-1, essential enzymes in the production of melanin.
3. Melanosomes transport: Biolumitá reduces the production of adrenomedullin, a mediator that stimulates the melanocyte dendricity, compromising the transport of melanosomes to the keratinocytes, essential to the completion of the skin pigmentation process.



Efficacy Testing

Melanin stain – Fontana Masson stain

Comparison of Caucasian skin after exposure to UVA (3 J/cm²) radiation and treated with the active ingredients for 48 hours. Shown at 400X magnification.

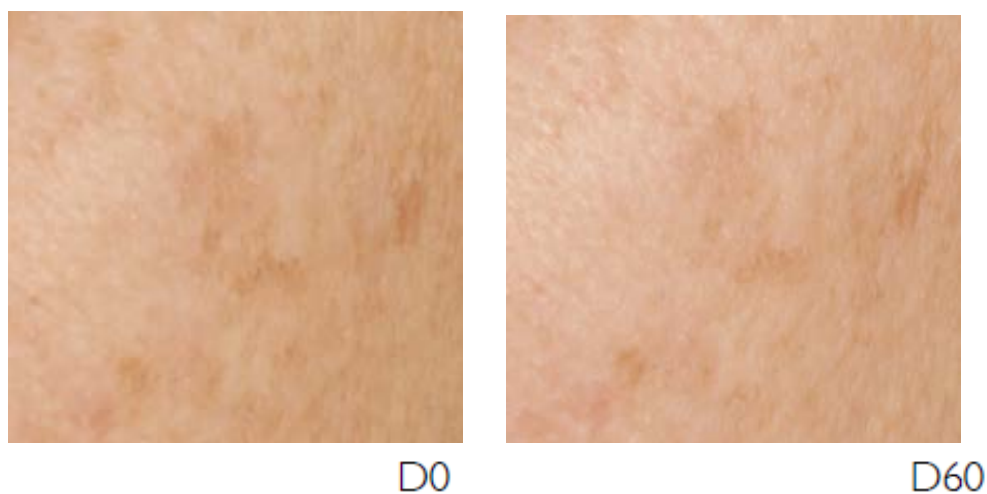


Photographic Evaluation – Visia®-CR

Images of hyperpigmented areas (dark spots) before and after a 60-day treatment with Biolumitá® 0.5%.



Images of skin tone balance before and after a 60-day treatment with Biolumitá® 0.5%



About Chemyunion

Chemyunion is a Brazilian company founded in 1992 that became an important supplier for the development and production of innovative ingredients for the cosmetic, dermocosmetic and health care sectors.

Our range of ingredients comprise actives for skin and hair care, vegetable origin preservatives, functional and sensorial excipients among others.

Our portfolio is present worldwide and it has been exported to more than 50 countries combining technological expertise and market trends to offer products and services with perceivable benefits to our customers.

We are inspired by innovation, committed to sustainability and are continuously investing in research and development of new products and services in order to be always our customers first choice.