

NEUROCOSMETIC SELFTAN

infinitec
activos s.l.

Bronzing S.F.

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CNIS Cutaneous Neuro Immune System

- Neurodermatology has given a new impulse into investigating new substances which give an adequate response to all types of skin problems.
- The CNIS is a new concept at the cutaneous biology level.
- It clarifies the importance of the nervous system and the cutaneous homeostasis.

Neurocosmetics

- The neurocosmetic or "intelligent cosmetic" is the topic application of active ingredients whose neurophysiologic action offers some cosmetic, esthetic and wellness benefits.
- It open a new generation of active ingredients.



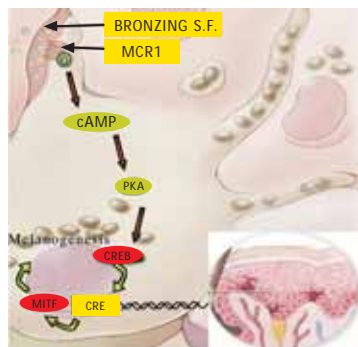
Bronzing S.F.

It is a neuropeptide that induces melanogenesis by the activation of the mechanism of action of the alpha-MSH (neurotransmitter).

Mechanism of action

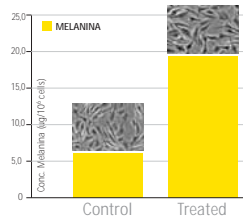
- Activation of the receptor of alpha-HSM through the neuropeptide (Bronzing S.F.).

- Induced stimulation of cAMP for the expression of tyrosinase, TRP-1 (tyrosinase related protein 1) and DTC (dopa chrome tautomerase), enzymes hended for the production of melanin.



In vitro test

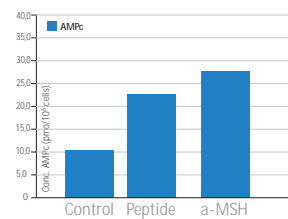
Determination of melanin



Conditions:
- Control: untreated cells
- Treated: 1µmicroM
Experiment at 72 hrs



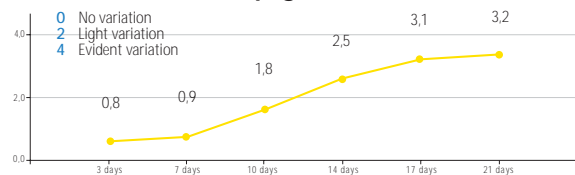
cAMP evaluation



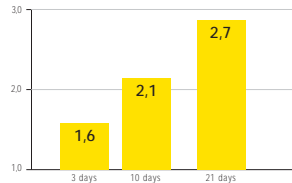
Measurement of cAMP
Conditions:
- Control: untreated cells
- Bronzing S.F.: 0,1µmicroM
- aMSH: 10⁻⁷M
Experiment at 16 hrs

In vivo test

Variation of skin pigmentation



Improvement of the skin radiance



Opinion test
Skin brightness
8,2 over 10

Cosmetic application: Selftan

Dosage: 3-5%