

HYDRASALINOL

HYDRATES AND NOURISHES

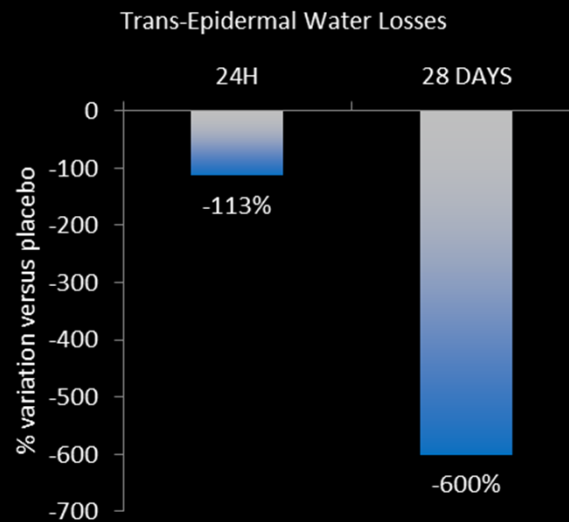
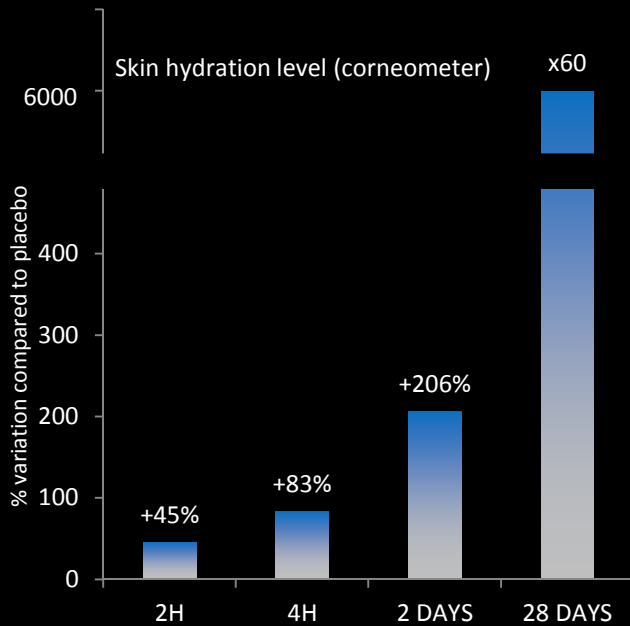
Hydrasalinol acts on all fronts against cutaneous dryness: production of urea, NMF, cellular cohesion, lipidmatrix; this extract is an original and unique hydra-restructuring agent.

IN-VIVO TEST: HYDRATING EFFECT OF 1% HYDRASALINOL

Protocol: tests performed on dry skin (legs) - 3 zones were studied for each volunteer: untreated, treated with a placebo, and treated with Hydrasalinol - 1 application on the first day, then 2 applications per day for 28 days.
Parameters observed: effect on the moisture levels using corneometry - effect on Trans-Epidermal Water Loss (TEWL)

IMMEDIATE AND CUMULATIVE HYDRATING EFFECT

Hydrasalinol, compared to placebo, immediately increases moisture levels, and up to a factor 60 after 28 days treatment. Meanwhile it immediately inhibits Trans-Epidermal water losses, with a cumulative effect after 4 weeks treatment.



DESCRIPTION OF HYDRASALINOL

Salicornia is a hardy coastal plant enables it to grow in soils with a low to very high salt content. This extraordinary capacity for adaptation is linked to the presence of water and ammonium ion transporters, which play an essential role in protecting the plant from dehydration and the high salt content of their environment.

IN-VITRO TEST : EFFECT OF HYDRASALINOL ON AQP3 & AQP8 SYNTHESIS.

Protocol : human epidermis treated with 1% Hydrasalinol. Measure of AQP3 and AQP8 synthesis using immunolabelling.

+ 46% Aquaporin 3 (AQP3): this channel is specific to water and promotes water storage and transport within the epidermis.

+198% Aquaporin 8 (AQP8): this channel ensures the storage and transport of urea within the epidermis, thus boosting the Natural Moisturizing Factors for a hydrating action.

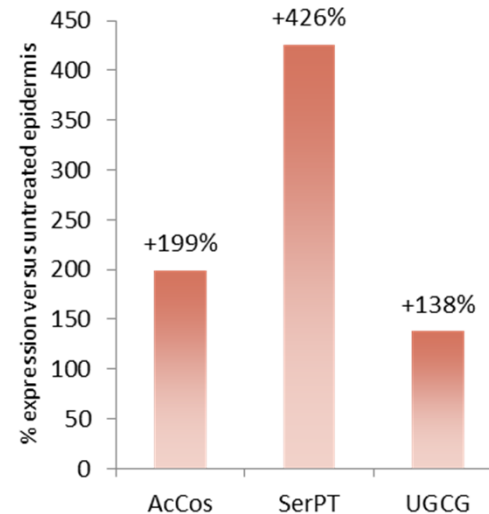
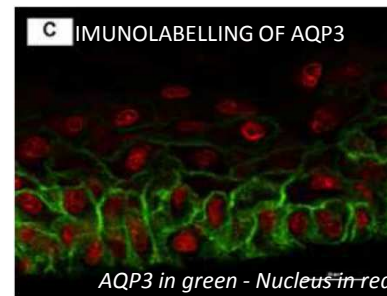
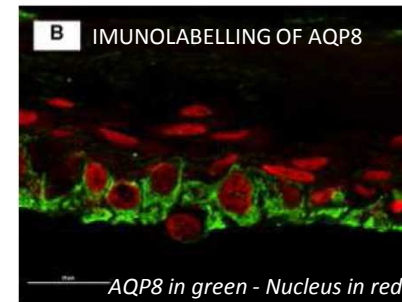
IN-VITRO TEST : EFFECT OF HYDRASALINOL ON LIPIDS SYNTHESIS

Protocol : reconstituted human epidermis treated with 1% Hydrasalinol; analysis of protein expression.

Hydrasalinol increases the expression of 4 enzymes involved in the synthesis of epidermal lipids

- **Up to + 199% Acetyl CoA synthetase (AcCos):**
synthesis of fatty acids and cholesterol
- **Up to + 426% Serine palmitoyltransferase (SerPT):**
synthesis of ceramids
- **Up to + 138% Ceramid GlucosylTransferase (UGCG):**
synthesis of ceramids

BY ACTIVATING THE SYNTHESIS OF AQP8 IN THE SKIN, HYDRASALINOL ACTS AT THE HEART OF UREA METABOLISM, TO PRODUCE AN IMMEDIATE MOISTURISING ACTION FOR EVEN THE DRIEST SKINS. ITS COMBINED ACTION ON LIPID CEMENT REDUCES WATER LOSSES.



CODIF
R&N

INCI

Caprylic/capric triglyceride
(and) Salicornia herbacea extract

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