

ACTV8SKN Actuator

Impact on collagen and elastin expression and skin quality parameters, Dr. Annalisa Forni et al., IMCAS 2024

Collagen type I and Elastin are fundamental to support the cell processes induced by biostimulation treatments counteracting the fibrosis by improving the expression of type I collagen and Elastin instead of Collagen Type III

Preclinical study (Figure 01):

- In vitro stimulation of human skin fibroblasts (ATCC CRL-2522)
- qRT-PCR gene expression of *COL1A1* and *ELN* significantly improved
- Higher than a cream enriched in similar GF-derived peptides

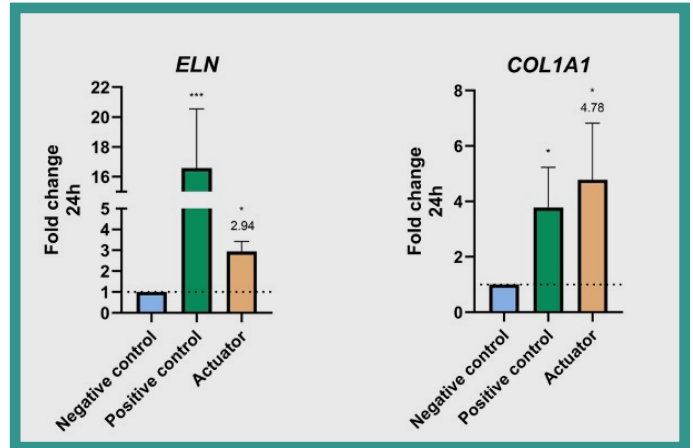


Figure 01

Clinical study (Figure 02):

- 7-days study, Instrumental evaluation
- Statistically significant improvements
- Higher than a cream enriched in similar GF-derived peptides

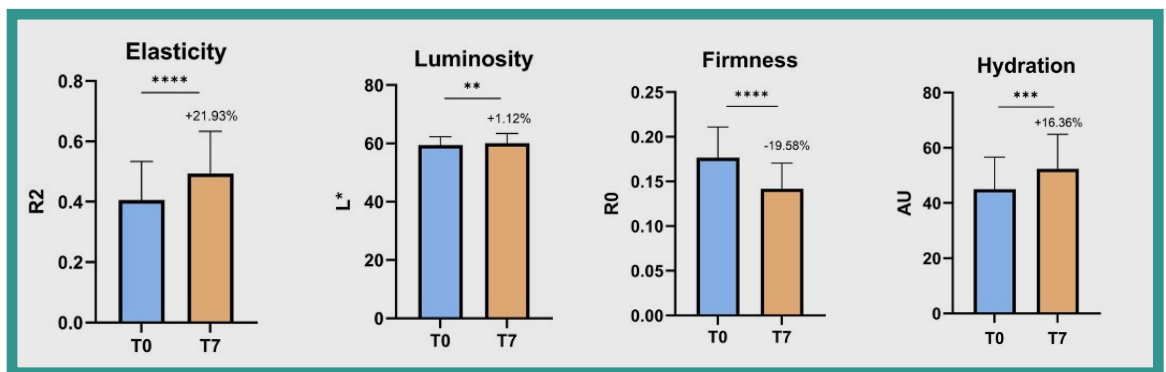


Figure 02

30-Day Observational Study on Synthetic Peptides for Skin Hydration, Elasticity, and Brightness Improvement (Fisher & Carati, 2020)

The product effectively improved skin hydration, elasticity, firmness, brightness, and luminosity through the application of synthetic peptides:

- Immediate effects included rapid and sustained hydration, significantly greater than placebo ($p < 0.05$).
- Long-term use (30 days) resulted in an 11.8% increase in elasticity, a 6.3% decrease in sagging, a 2.5% improvement in luminosity, and a 110% increase in brightness ($p < 0.001$).
- No adverse reactions or tolerability issues were reported.