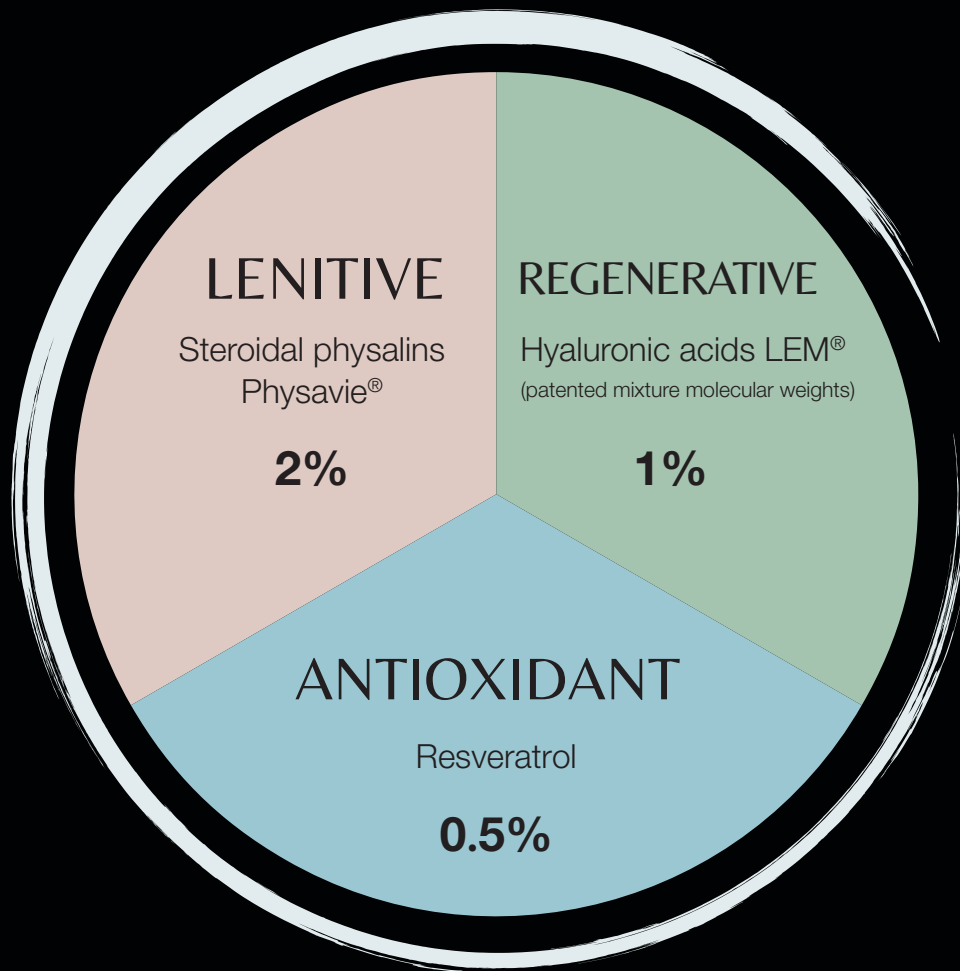
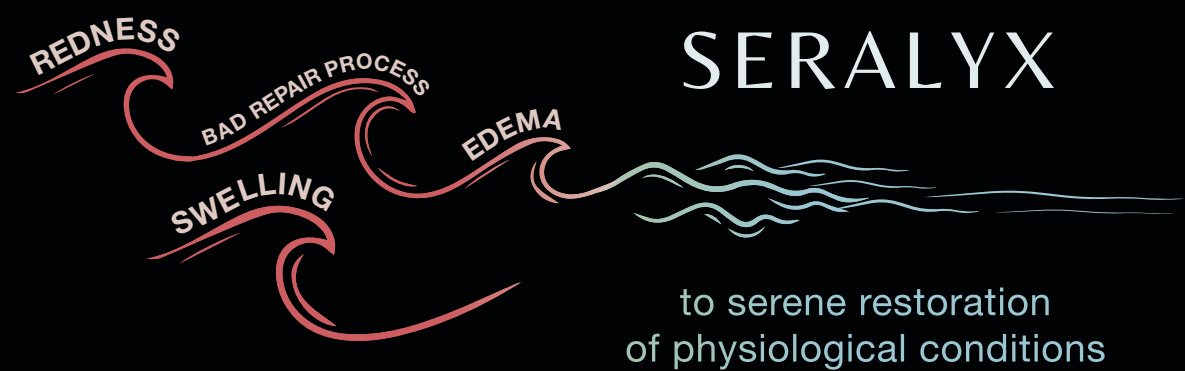


High-Concentration Serum for Remarkable Results



SERALYX

distributore esclusivo
marllor
BIOMEDICAL
S. Giovanni in Marignano (RN) Italia
info@marllor.com • www.marllor.com



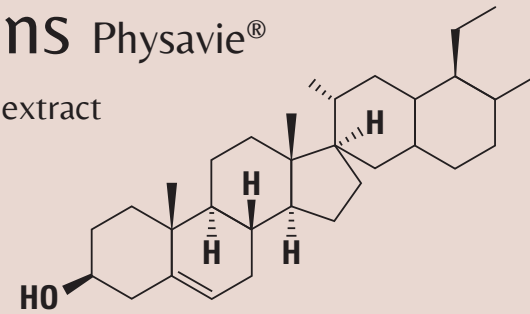
SERALYX

Resveratrol, Physalis angulata
and hyaluronic acids

A powerful serum with soothing,
antioxidant, and regenerative properties

Steroidal physalins Physavie®

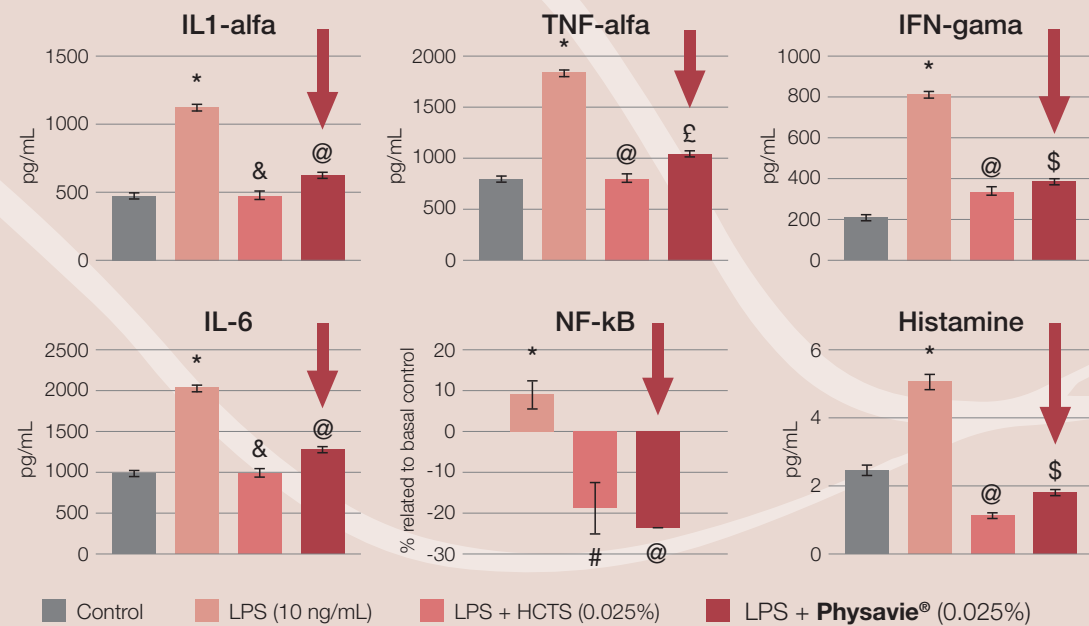
CO2 supercritical Physalis angulata extract



Soothing properties similar to corticoids

Inhibits inflammatory mediators

In vitro study Human Keratinocytes Physavie vs Hydrocortisone
Stressor: Lipopolysaccharides



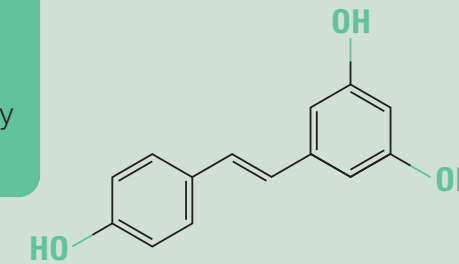
LPS = bacterial lipopolysaccharides; HCTS = hydrocortisone
* p < 0.001, in relation to baseline control; # p < 0.05, in relation to baseline control and HCTS; & p < 0.001, relative to LPS; p < 0.001, relative to LPS control and p < 0.05, relative to HCTS + LPS. Dossier internal data Chemyunion, 2022.

IL = Interleukin | TNF = Tumor necrosis factor | IFN = Interferon | NFkB = Nuclear factor kB

Resveratrol

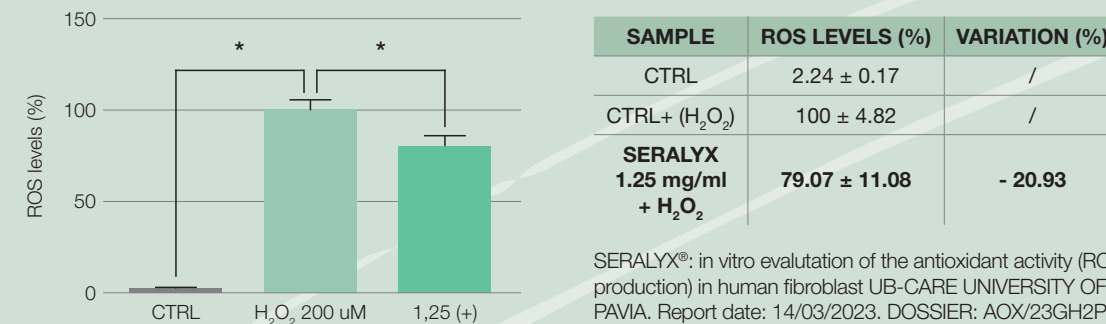
Strong antioxidant activity

Direct: high reducing power of polyphenol
Indirect: modulation Nrf2/ARE signaling pathway enhancing SOD and Catalase expression



Inhibits ROS production

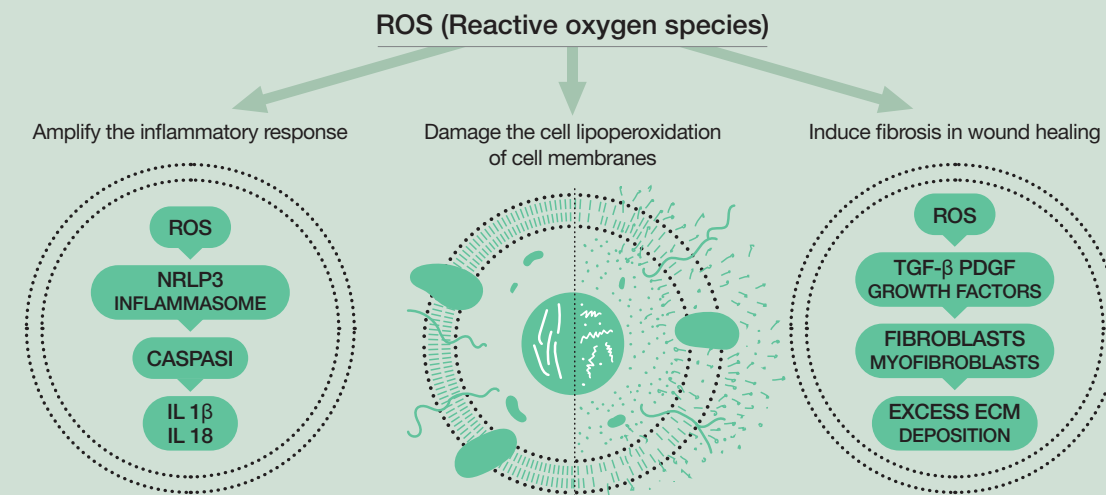
In vitro study Human Fibroblasts | Stressor: H₂O₂



SERALYX®: in vitro evaluation of the antioxidant activity (ROS production) in human fibroblast UB-CARE UNIVERSITY OF PAVIA. Report date: 14/03/2023. DOSSIER: AOX/23GH2P1

CTRL: untreated cells. CTRL+: untreated and H₂O₂ stimulated cells. 1.25 mg/ml (+): cells treated with tested product at the non-cytotoxic concentrations (1.25 mg/ml) and stimulated with 200 µM H₂O₂. *: p values ≤ 0.001 were considered to be statistically significant compared to stimulated cells (Ctrl+) (n=2; replicates=3).

Cell injury triggers inflammatory and oxidative process



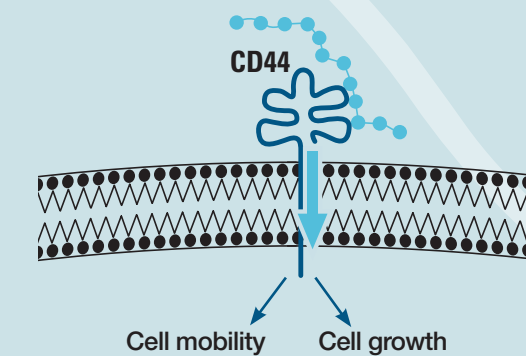
Hyaluronic acids

LEM® patented hualuronic acids

Sonicated technology for less impurities
Ideal molecular weight mix 60% (1800KDa) 20% (400KDa) 20% (50KDa)

Improve cell viability

Regenerative action of HA is carried out through the interaction with specific membrane receptor.

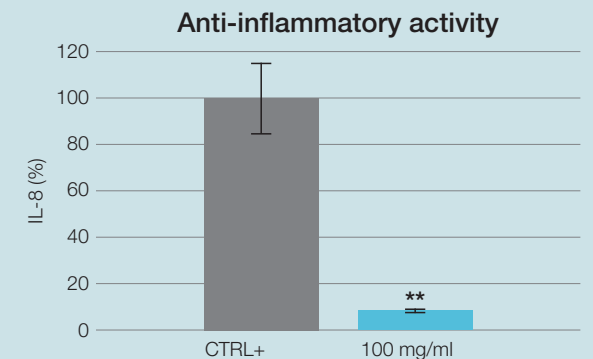


Hu L, Nomura S, Sato Y, Takagi K, Ishii T, Honma Y, Watanabe K, Mizukami Y, Muto J. Anti-inflammatory effects of differential molecular weight Hyaluronic acids on UVB-induced calprotectin-mediated keratinocyte inflammation. J Dermatol Sci. 2022 Jul;107(1):24-31.

No pro-inflammatory or irritative effect

In vitro study Human Fibroblasts
Stressor: Lipopolysaccharides

Effect on the production of Il-8 after 24h of treatment with Lem patented sonicated HA. p<0,05; **p<0,01 (according with t-Student method n=2 ; replicates =2). UB-CARE UNIVERSITY OF PAVIA. Internal data dossier: LEMcr Lem Compounding Research.



HA sonicato - 60% HA HW, 20% HA LW, 20% sonicato da LW (lotto: 20007151)