

ANTI-POLLUTION ACTIVITY

ANTIOXIDANT ACTIVITY

CELL LIFESPAN PROTECTION

MATURE SKIN REJUVENATION

WRINKLE REDUCTION

RESVERATROX®

Cosmetic active ingredient

Grapevine extract manufactured in France

ACTIVE MOLECULES

Resveratrol and its derivatives Extracted from French vine shoots INCI name: Vitis vinifera (grape) vine extract

MULTIPLE POSSIBILITES OF STANDARDIZATION

natural butylene glycol or propanediol or glycerin or inulin (powder form)













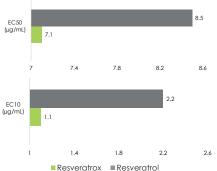


HEALTHY AGING

Antioxidant activity

In-vitro

Effective concentration of RESVERATROX and Resveratrol on antioxidant activity



EC10: The lowest concentration to be effective EC50: Concentration to obtain 50% of maximum effect

RESVERATROX® has a stronger intracellular antioxidant effect at lower doses than Resveratrol in keratinocytes

Anti-elastase activity

Ex-vivo

Quantity of elastic fibers in dermis



Control 17.3% of elastic fiber surface



Elastase 2.9% of elastic fiber surface



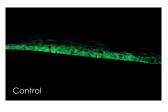
Flastase + RESVERATROX 15.7% of elastic fiber

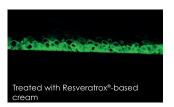
RESVERATROX protects 89%** of elastic fibers in skin explant (27 years old woman)

Tested dose: 0.2% of RESVERATROX®

Cell lifespan protection via SIRT1 activation

Ex-vivo



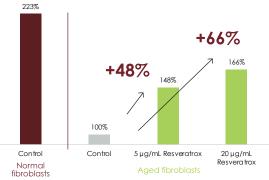


Treatment with RESVERATROX-based cream increases SIRT1 expression by 55%** in reconstructed epidermis

Tested dose: 1% of RESVERATROX®

In vitro

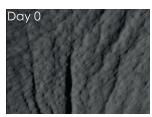
Expression of gene coding for SIRT1



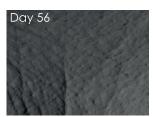
RESVERATROX restores deficient SIRT1 expression due to age

Wrinkle reduction

Clinical study



Reduction of Crow's feet wrinkles area on average -23%**



The results showed:

80% of participants had positive results Reduction of number of wrinkles by up to 70%



Twice a day



49-69 years



20 participants



2 months

Mature skin rejuvenation

Clinical study

Tested dose: 1% of RESVERATROX®



Twice a day



40-55 years



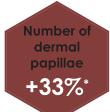
20 participants



Tested dose: 1% of RESVERATROX®

1 month

Minimum epidermal thickness



An application of a RESVERATROX® cream offers skin strenghtening and a refining effect

ANTI-POLLUTION

Ex-vivo





Urban pollution: Mixture of heavy metals + PAH (Polycyclic aromatic hydrocarbons)



Tested dose: 0.2% of RESVERATROX®

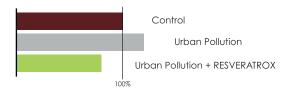
Environmental contaminant receptor via AHR

Immunostaining of AHR in skin explants Control

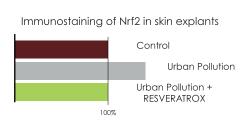


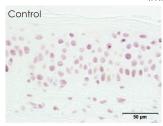
Detoxification of heavy metals via MT-1H

Immunostaining of MT-1H in skin explants



Oxidative stress via Nrf2





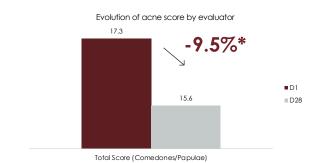




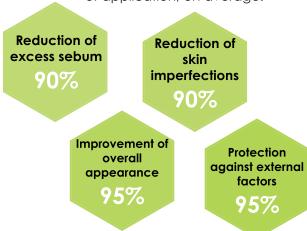
RESVERATROX inhibits the pollution with results close to the control ones

Clinical study

Overall improvement



Self evaluation after one month of application, on average:





Twice a day



20-44 years



22 participants



1 month

Tested dose: 0.6% of RESVERATROX®









Actichem

Actichem is a French family company.

Since 1998, we have been developing and producing natural active ingredients from grapevine extracts standardized in Resveratrol monomers and oligomers for cosmetic markets. We have patented a unique extraction process of Resveratrol and its derivatives from vine.

Our values are based on innovation and quality, driven by a family spirit to give the best service to our customers.



Sourcing

The raw materials used to produce our active ingredients are harvested exclusively in the famous French vineyards.

We use the **renewable** part of the grapevines upcycled vine: vine shoots, pruned every year in winter.

We manage the harvesting and extraction stages. Manufacturing and control are carried out locally, allowing for real traceability and quality assurance.



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