



**Healthy  
aging**

**ANTI-POLLUTION  
ACTIVITY**  
Complete Protection

**ANTIOXIDANT  
ACTIVITY**  
Twice as active  
as Resveratrol

**CELL LIFESPAN  
PROTECTION**  
SIRT1 Activity  
**+55%**

**IMPROVEMENT OF  
ACNE-PRONE SKIN**  
for **95%** of participants

**MATURE SKIN  
REJUVENATION**  
Dermal Papillae  
**+33%**

**WRINKLE  
REDUCTION**  
Crow's feet  
**-23%**

# RESVERATROX<sup>®</sup>

Grapevine Resveratrol Oligomers from French Vineyards  
Grapevine extract manufactured in **France**

**Cosmetic range**



**STANDARDIZATION**

**POWDER FORM:** inulin

**LIQUID FORM:** glycerin,  
propanediol,  
butylene glycol

ISO 16128



COSMOS  
APPROVED



RENEWABLE  
PART OF VINE



SUSTAINABLE  
DEVELOPMENT



VEGAN



GMO FREE



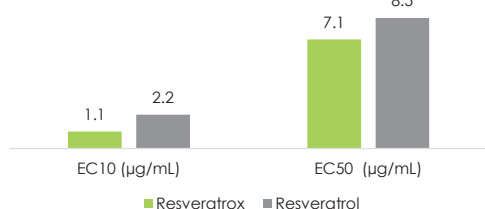
NOT TESTED ON  
ANIMALS

PLANT-BASED

# Biological activities

## Antioxidant activity

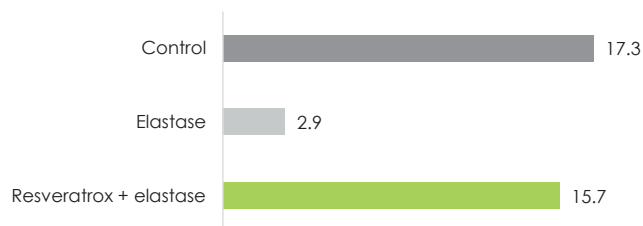
Effective concentration of RESVERATROX and Resveratrol on antioxidant activity



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

## Anti-elastase activity

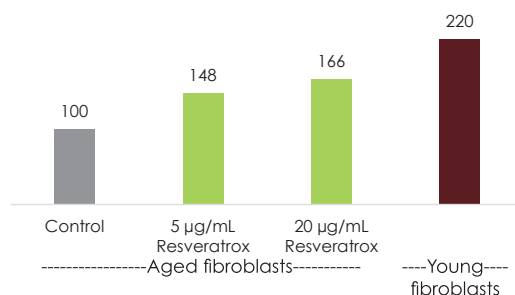
Surface of elastic fibers (%) in skin explant



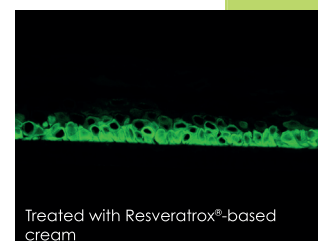
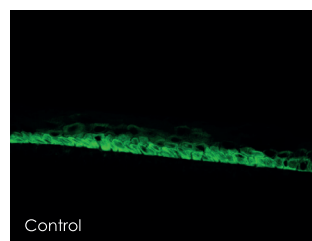
**RESVERATROX®** **inhibits 89% of elastase activity** in skin explant

## SIRT1 activation

SIRT1 Expression (%)



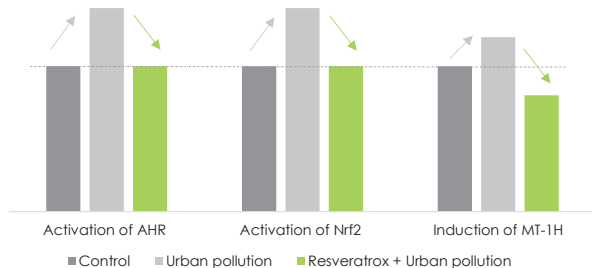
**RESVERATROX®** **increases SIRT1 expression** in aged fibroblasts with a dose-dependent effect



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

## Anti-pollution activity

Immunostaining in skin explants



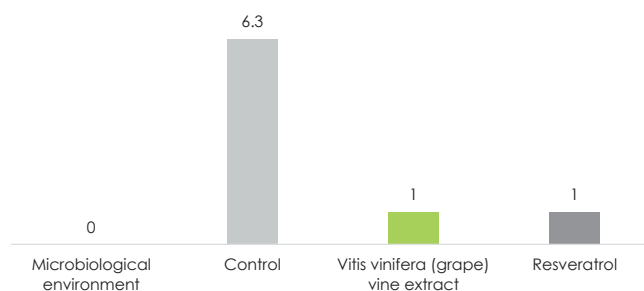
AHR: environmental contaminant receptor  
Nrf2: regulation of oxidative stress  
MT-1H: detoxification of toxic metals

**RESVERATROX®** grants **total anti-pollution activity** giving complete protection against **pollutant-induced AHR, Nrf2 activation and MT-1H induction**

## Antimicrobial activity

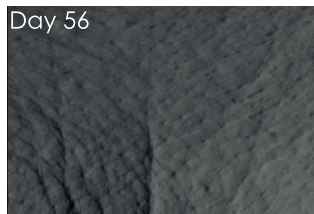
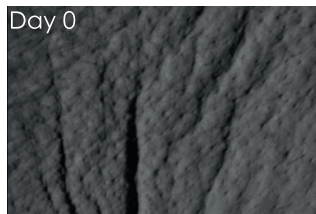
*Vitis Vinifera* (Grape) Vine Extract, the active ingredient in **RESVERATROX®**, has **antimicrobial activity** on *Cutibacterium acnes* from 1g/L

Minimum Inhibitory Concentration on *Cutibacterium acnes* (g/L)



# Clinical studies

## Anti wrinkle effect



Twice a day



2 months



49-69 years



20 participants

80% of participants had **positive results**

23% Reduction of crow's feet area

Number of wrinkles **reduced by up to 70%**

## Mature skin rejuvenation



Twice a day



1 month



40-55 years



20 participants

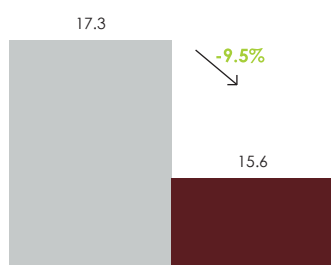
• Minimum epidermal thickness **increased by 3.2µm**

• Number of dermal papillae **increased by 33%**

• Pore circumference **reduced by 27µm**

## Overall improvement of acne-prone skin

Evolution of acne score after one month of application of a RESVERATROX cream



Total Score (Comedones/Papulae)

■ D1  
■ D28



Twice a day



1 month



20-44 years



22 participants

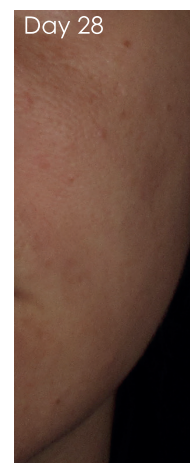
• **Excellent dermatological tolerance**

• **90%** agree that the product reduces excess sebum

• **90%** agree that the product reduces skin flaws

• **95%** agree that the product improves the overall appearance of the skin

• **95%** agree that the products protects the skin against external factors



After the application of a **RESVERATROX®** cream twice a day for one month, there is **an overall improvement** of acne-prone skin

## About 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**.

## Active ingredients in RESVERATROX®

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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