



**Healthy aging**

**SKIN BEAUTY**

Hyaluronan production  
**+28%**

**WEIGHT MANAGEMENT**

Fat accumulation  
**-60%**

**MUSCLE METABOLISM**

AMPK activation  
**+28%**

**OSTEOARTHRITIS**

Nitric Oxide production  
**-30%**

**HEALTHY AGING**

SIRT1 activity  
**+18%**

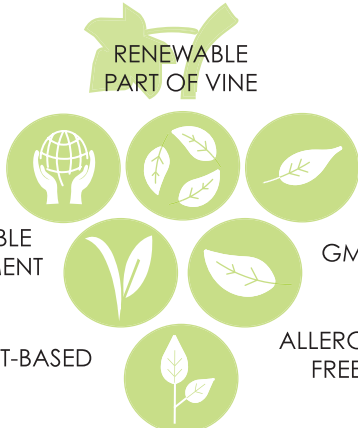
# VINEATROL®

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

**Nutraceutical range**



**STANDARDIZATION**  
**POWDER FORM:** maltodextrin  
**LIQUID FORM:** glycerin



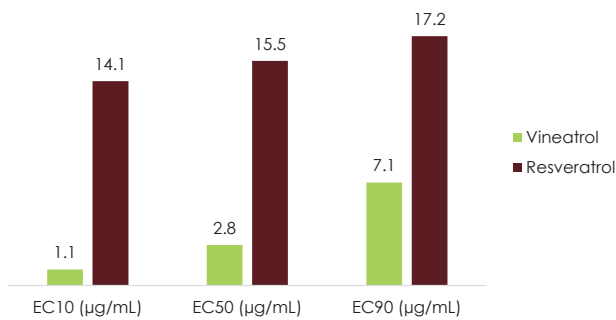
**RENEWABLE PART OF VINE**  
**SUSTAINABLE DEVELOPMENT**  
**PLANT-BASED**  
**GMO FREE**  
**ALLERGEN FREE**



# Health and beauty

## Antioxidant activity

Study on HepG2 cells



**VINEATROL®** has a **stronger intracellular antioxidant effect** than resveratrol

## Clinical study - Healthy aging

### SIRT1 activation

Evaluation of the effect of a daily intake of 200 mg of **VINEATROL®** over 4 weeks

24 participants aged between 40 and 60 with a BMI between 24 and 32

### **VINEATROL®** group

**80%** of the patients showed an improvement

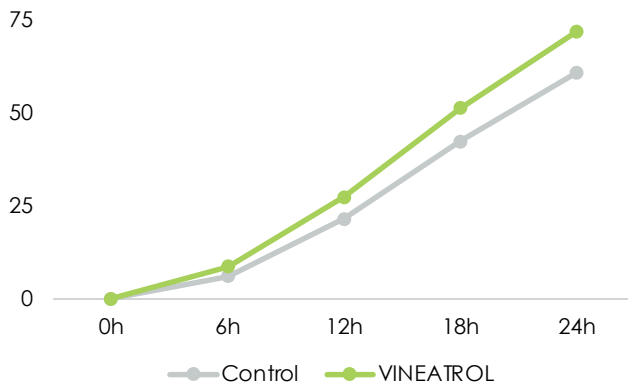
Average SIRT1 level **increased by 18%**

Rate of increase of SIRT1 **up to 62%**

## Clinical study - Skin beauty

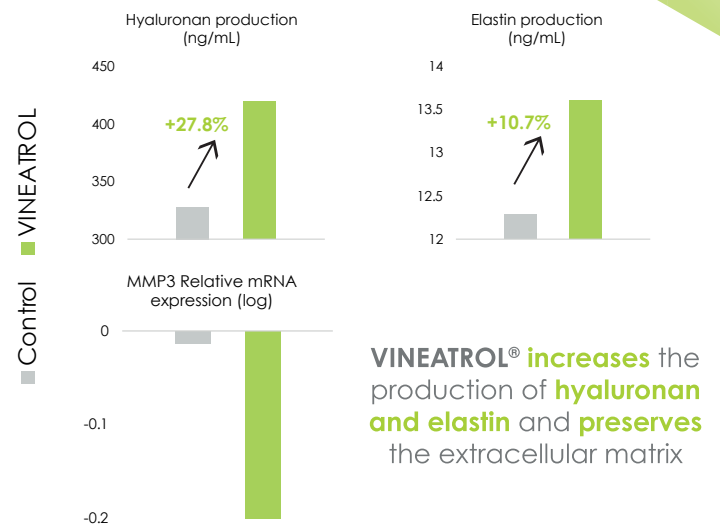
### Wound healing

Area covered (%)



**VINEATROL®** greatly **accelerates the wound healing**

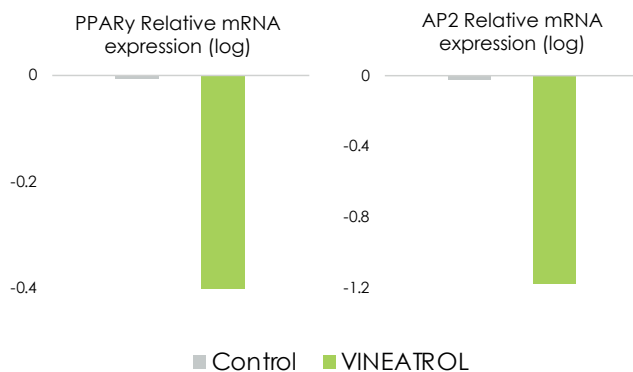
### Hyaluronic acid, elastin & extracellular matrix



**VINEATROL®** increases the production of **hyaluronan and elastin** and **preserves** the extracellular matrix

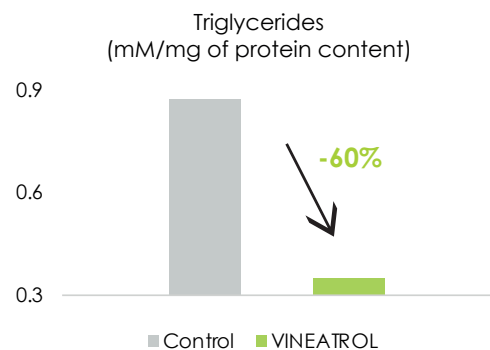
## Clinical study - Weight management

### Adipogenesis



**VINEATROL®** **regulates adipogenesis**

### Triglyceride storage

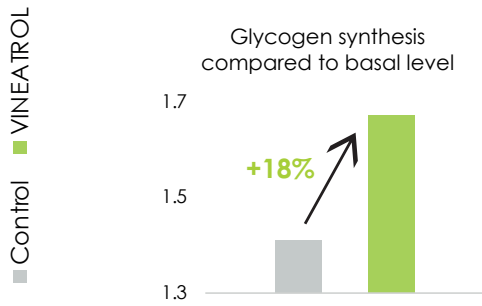


**VINEATROL®** **limits fat accumulation**

# benefits - VINEATROL®

## Insulin sensitivity

Study on human muscle cells



VINEATROL® significantly increases the capacity of insulin to stimulate **glycogen synthesis**

**Beneficial action** of VINEATROL® on insulin sensitivity during an in-vitro test on muscle cells

## VINEATROL®

**Source:** *Vitis Vinifera* – Vine Shoot

### Active molecules:

Resveratrol, *epsilon*-Viniferin and other Resveratrol derivatives

### VINEATROL® WD

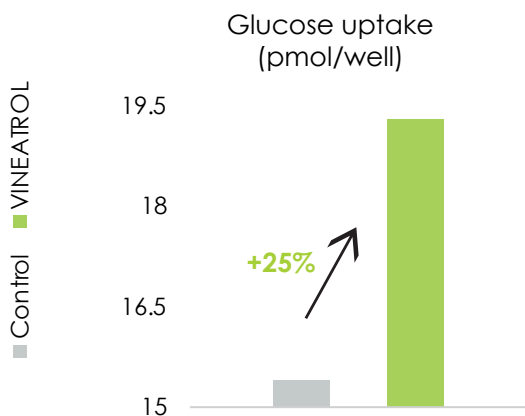
**INCI:** Glycerin and Water and *Vitis Vinifera* (grape) vine extract

### VINEATROL® 20

**INCI:** *Vitis Vinifera* (grape) vine extract and Maltodextrin

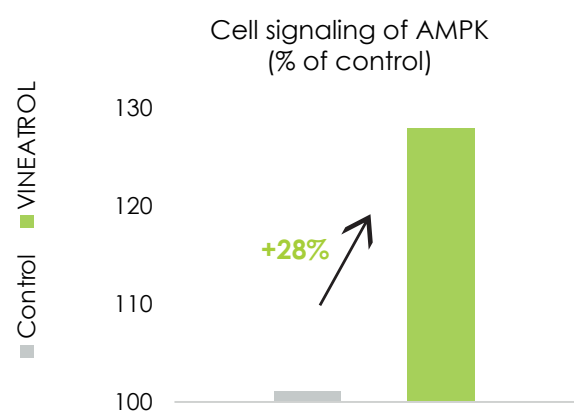
## Clinical study - Muscle metabolism

### Glucose uptake in response to insulin



VINEATROL® improves glucose uptake in response to insulin

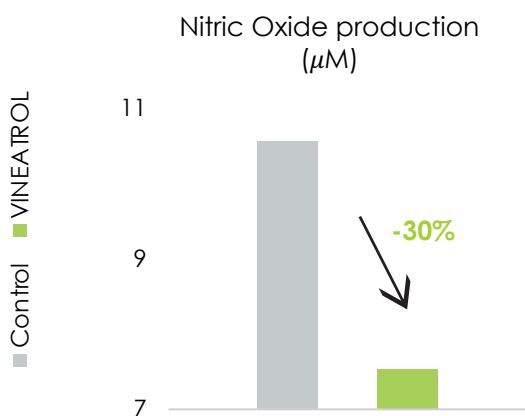
### AMPK activation in response to insulin



VINEATROL® induces phosphorylation activation of AMPK in response to insulin. VINEATROL® potentiates the effect of insulin.

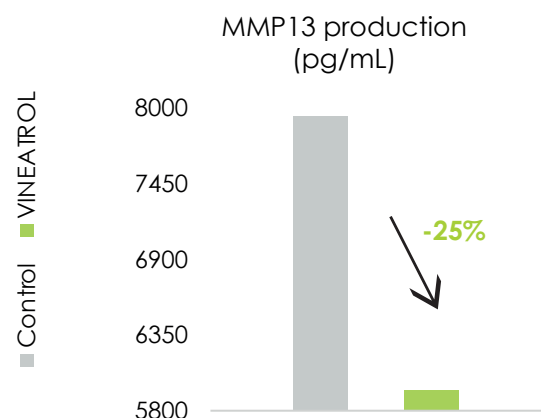
## Clinical study - Osteoarthritis

### Inflammation



VINEATROL® induces an **anti-inflammatory effect**

### Catabolic actor



VINEATROL® reduces the production of catabolic actor: MMP13

## 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 the nutraceutical market. 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 VINEATROL®

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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