



Slimming

SLIMMING
SIRT1 activity
+358%

ANTI-CELLULITE
PDE4 inhibition
99%

FIRMNESS
+12.5%

SMOOTH SKIN
+11%



VINIFEROL[®]

Grapevine *Epsilon*-Viniferin 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



GMO FREE

VEGAN



NOT TESTED ON
ANIMALS

PLANT-BASED

Slimming properties of VINIFEROL®

Phosphodiesterase inhibition

PDE (Phosphodiesterase) transforms cAMP into AMP, involved in fat accumulation



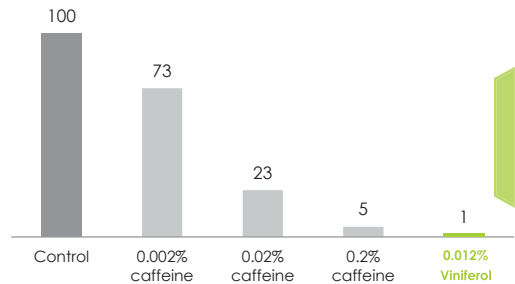
Inhibition of PDE:
Increases lipolysis

PDE4 IC₅₀ of *Epsilon*-Viniferin and caffeine

Molecules	PDE IC ₅₀ in µM
<i>Epsilon</i> -Viniferin	4.6
Caffeine	1130

Epsilon-Viniferin, the active molecule of VINIFEROL®, has an IC₅₀ on PDE4 activity **245 times lower** than caffeine

Phosphodiesterase activity (%)



VINIFEROL® is **15 times more active** than caffeine on PDE4 inhibition

SIRT1 activation

SIRT1 inhibits some genes (PPAR) involved in fat accumulation

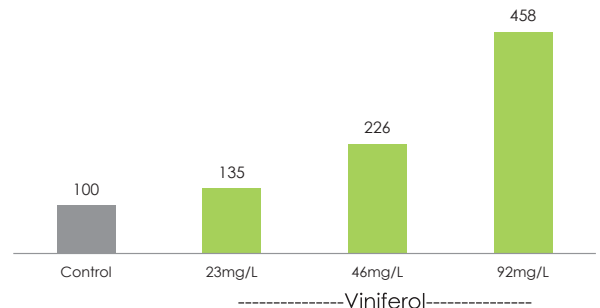


Activation of SIRT1:
Increases lipolysis
Decreases adipogenesis

Epsilon-Viniferin and VINIFEROL® are **potent SIRT1 activators**

Epsilon-Viniferin **suppresses** the expression of PPARγ, adipogenesis marker gene

SIRT1 enzymatic activity of VINIFEROL® (%)



Clinical studies



Twice a day



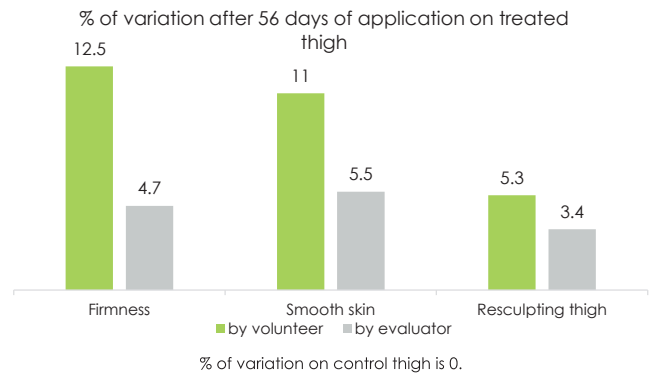
2 months



AGE 26-59 years



22 participants
1 treated thigh/
1 control thigh



Our product exhibits **firming, smoothing and resculpting effects** highlighted by clinical grading

121, Avenue du Danemark 82 000 MONTAUBAN - FRANCE
www.actichem.fr contact@actichem.fr +33.5.63.23.03.06



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