

The Natural Lipolytic System for Slimming and Silhouette  
Products

# NIO-SLIM

NIOSOME TECHNOLOGY



Lipolysis Boost Over 200%  
Thigh Reduced by 1,5cm in 4  
weeks

## AN EFFECTIVE COMPLEX FOR ADIPOSE TISSUE CONTROL

NIO-SLIM is an innovative slimming active ingredient, based combination of Caffeine, Genistein and Punicic acid encapsulated into elastic niosomal vesicles.

**It is effective to enhance skin thickness, improve skin strength, firmness and activate the breakdown of fat tissue.**

NIO-SLIM is the powerful 100% natural solution to help slimming by reducing the thickness and the mass of adipose tissue.



**NIO-SLIM IS THE SLIMMING ACTIVE SYSTEM DESIGNED TO IMPROVE SKIN STRENGTH, FIRMNESS AND CONTROL FAT TISSUE BREAKDOWN**



### NIO-SLIM NATURAL INGREDIENTS

#### PUNICA GRANATUM SEED EXTRACT



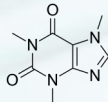
**ROS PROTECTION & LIPOGENESIS INHIBITION**  
Punicic Acid (~65%), an Omega-5 Fatty Acid that limit lipogenic expression of PPAR $\gamma$

#### SOY ISOFLAVONES



**ANTI-INFLAMMATION & ADIPOCITE ANTI-PROLIFERATION**  
Down-regulate inflammatory signals that stimulate adipocytes proliferation

#### CAFFEINE

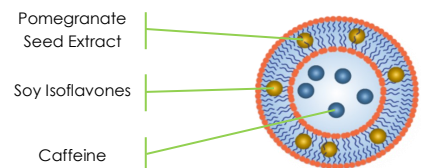


#### LYPOLYSIS SUPPORT

Inhibits Phosphodiesterase enzyme, maintain elevated level of cAMP

#### NIO-SLIM

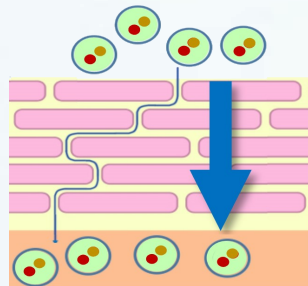
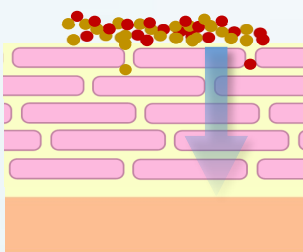
NATURAL INGREDIENTS ARE ENCAPSULATED INSIDE NIOSOME VESICLES



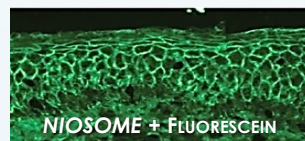
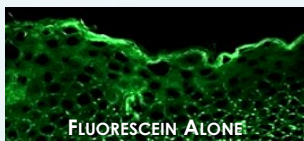
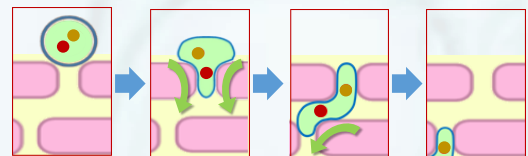
### ULTRA-DEFORMABLE NIOSOME

The Most Advanced Skin Delivery System

#### CLASSIC ACTIVE INGREDIENTS

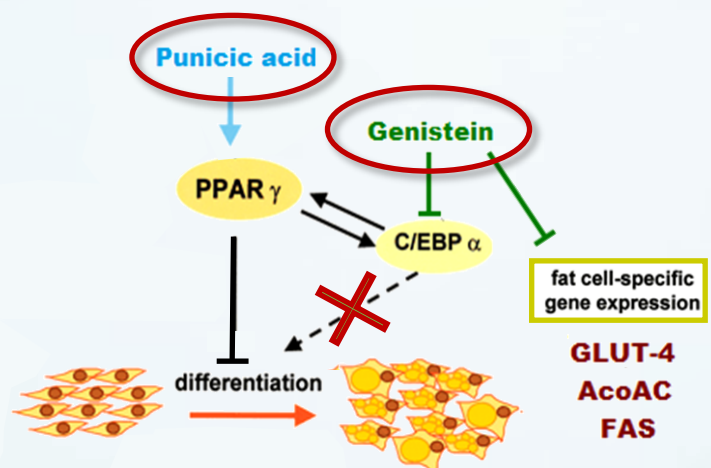
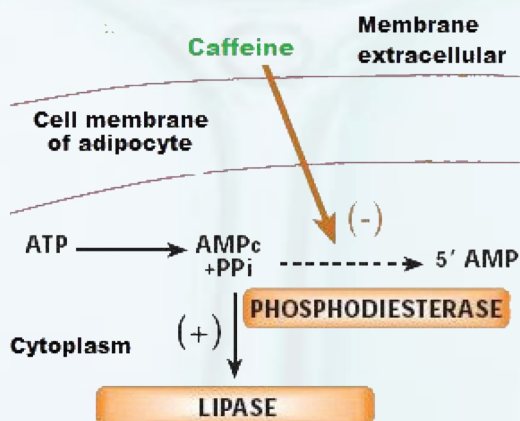


Ultra-Deformable Niosome are elastic vesicles able to **squeeze through Stratum Corneum** reaching living cells inside epidermis increasing the bioavailability of active ingredients



**NIOSOME DELIVER ACTIVE INGREDIENTS WHERE MUST BE REALLY EFFECTIVE**  
DRIVING THROUGH THE STRATUM CORNEUM

### NIO-SLIM MODE OF ACTION



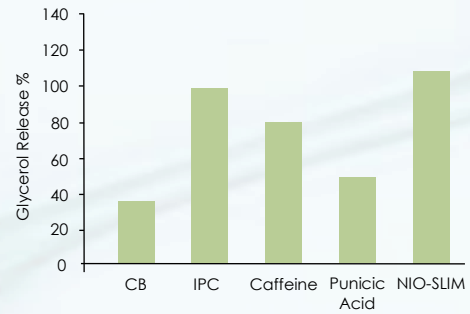
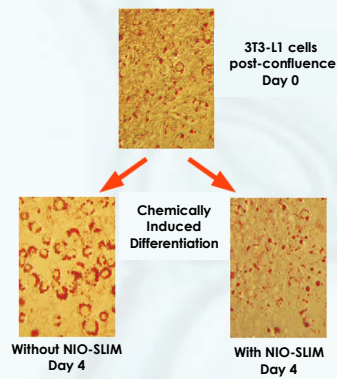
## NIO-SLM ON ADIPOCYTE PROLIFERATION

Assessment of 3T3-L1 adipocytes differentiation stimulated by isobutylmethylxanthine (IBMX), dexamethasone (DEX) and insulin (INS), with or without NIO-SLM 3 mg/ml

## NIO-SLM LIPOLITIC EFFECT

Measurement of Glycerol release from adipocyte cells (3T3-L1) after incubation with Control Buffer (CB), Isoproterenol (IPC), Caffeine, Punicic acid and NIO-SLM (3 mg/ml).

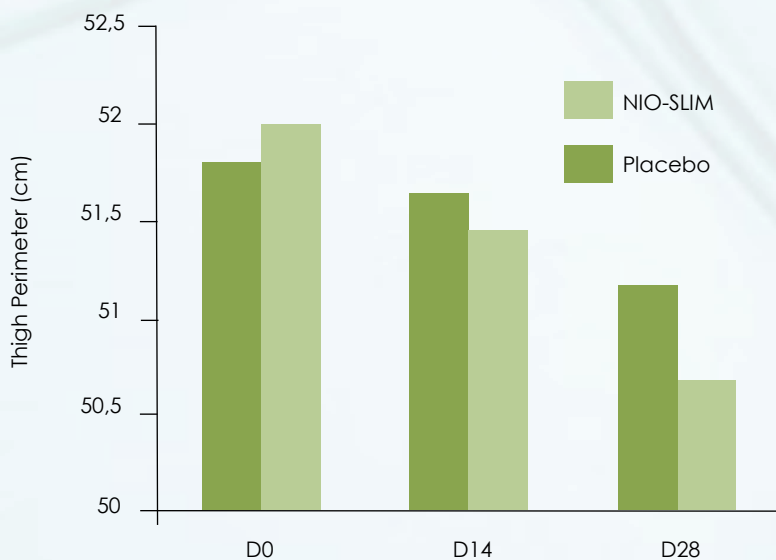
INHIBITION OF  
LIPOGENESIS  
AND  
ADIPOCYTE  
DIFFERENTIATION



LIPOLYSIS BOOST OVER 200%

## NIO-SLM ON THIGH PERIMETER

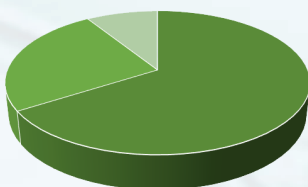
Measurement of Thigh perimeter applying placebo or 3% NIO-SLM for 28 days (no significant change in BMI during the test period)



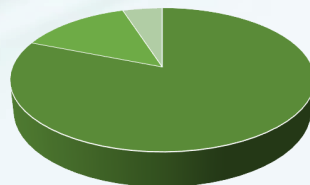
THIGH REDUCED BY  
1,5 cm IN 4 WEEKS

## CLINICAL TRIAL SELF-ASSESSMENT

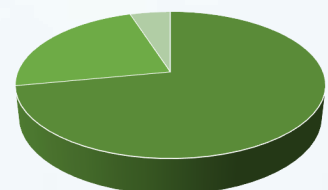
Self-assessment of skin condition of 20 volunteers applying 3% NIO-ACTIVE vs placebo twice daily for 28 days



HEAVY LEGS  
66% SATISFACTION



LOOK IMPROVEMENT  
81% SATISFACTION



FIRMNESS  
72% SATISFACTION



# NIO-SLIM

## NIOSOME TECHNOLOGY

### FOR ADIPOSE TISSUE CONTROL

#### CLAIMS

- ANTI-CELLULITE
- SLIMMING
- FIRMING

#### COSMETIC APPLICATION

- SLIMMING PRODUCTS
- ANTI-CELLULITE PRODUCTS
- BODY CARE PRODUCTS
- DRAINING CARE

#### INCI NAME

Punica Granatum Seed Extract, Soy Isoflavones, Caffeine, Polyglyceryl-10 Dipalmitate, Polyglyceryl-6 Laurate, Sorbitan Oleate, Cetyl Phosphate, Aqua/Water

#### SAFETY & TOXICITY

Reference COMMISSION REGULATION (EC) No 987/2008 of 8 October 2008 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH):

- non-irritating
- non-toxic

#### FORMULATION SUGGESTIONS

<b>Use Levels:</b>	1 - 3%
<b>pH range:</b>	3,5 - 8,5
<b>Incorporation:</b>	Diluite in water before blending. Do not heat above 50°C
<b>Origin:</b>	Botanical
<b>Application:</b>	Lotions, O/W and W/O emulsions, Gels
<b>Preservative:</b>	None
<b>Solubility:</b>	Dispersible in water
<b>Compliant regulation:</b>	US - EU - China - Japan
<b>Certification:</b>	COSMOS Pending



Address: Via Ozanam, 4  
20811 Cesano Maderno (MB) - Italy  
Phone: +39 0362 545457  
Fax: +39 0362 526364  
Site: [www.naturalis.it](http://www.naturalis.it)  
Mail: [info@naturalis.it](mailto:info@naturalis.it)