

sinetrol®

Adipose beiging benefits

CLINICALLY
PROVEN

10+ years of research
on mechanism
of action and clinical
benefits

4 clinical studies
on more than 300 subjects
using gold standard
methodology

KEY FEATURES

- Proven mechanism of action: lipolysis enhancer providing adipose beiging benefits
- Increase in resting energy expenditure
- Rebalanced body composition: significant reduction of body fat mass without lean mass loss
- Significant results on body weight, waist and hip lines
- Long-lasting benefits: subjects continue to benefit from adipose beiging

COMPOSITION & ACTIVE COMPOUNDS

Grapefruit extracts (*Citrus grandis* (L.) Osbeck, *Citrus paradisi* Macfad), Orange extract (*Citrus sinensis* (L.) Osbeck) and Guarana extract (*Paullinia cupana* Kunth)

Flavanones (Naringin & Hesperidin) ≥ 40%
Natural caffeine 21 - 25 mg

630
mg/day

Sinetrol® Xpur C

REGULATORY & CERTIFICATIONS

Approved by MFDS (Korean FDA): may help to reduce body fat

Non-GMO, Halal, gluten-free, suitable for vegetarians

REFERENCES

Dallas C. et al; *Phytomedicine*; 2008, 15: 783-792
Dallas C. et al; *Phytother. Res.*: 2014, 28(2): 212-218
Cases J. et al.; publication pending
Park S. et al; *J .Med Food*: 2020.23(3): 1-8



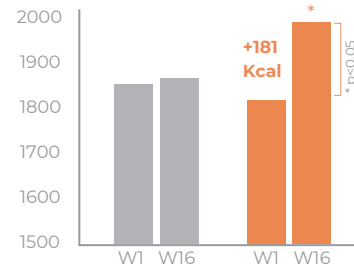
CLINICALLY PROVEN BENEFITS

— Double-blind, randomised, placebo-controlled studies on both Caucasian and Asian populations.

2017 20 weeks (16+4)	2019 12 weeks
77 subjects Caucasian population BMI: 25-40 kg/m ² Age: 29-52 years old	86 subjects Asian population BMI: 24-30 kg/m ² Age: 25-62 years old
Body composition DXA Scan Recommended individualised normo-caloric diet (Harris and Benedict)	Body composition DXA Scan Recommended hypo- caloric diet (-500 kcal/day)
CAPSULES 2 x 450 mg/day	TABLETS 1 x 900 mg/day

Sinretol increases resting energy expenditure in supplemented volunteers, providing adipose being benefits.

Resting Energy Expenditure (Kcal/day)



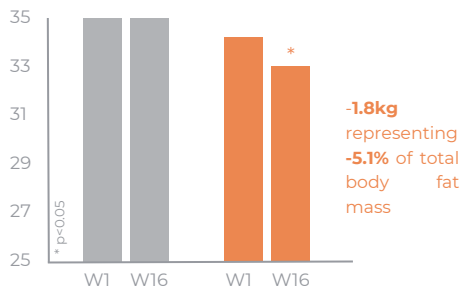
The increase in metabolic rate leads to a **significant reduction of the total body weight loss of the subjects, especially fat mass**, compared to the placebo group.

Placebo ■
Sinretol ■

Primary outcome: body fat mass reduction.

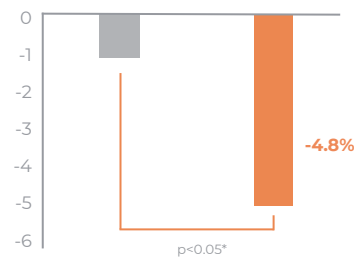
Body fat mass - Caucasian population

(kg) ΔW1-W16



Body fat mass - Asian population

(kg) ΔW1-W1

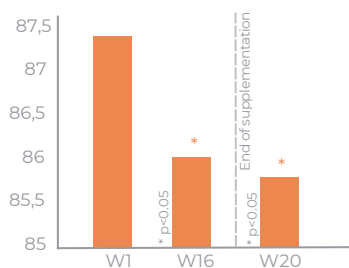


- Body composition is rebalanced: **lean to fat-mass ratio significantly improves with Sinretol.**
- **65% of the total fat loss is from the trunk area:** the Index of Central Obesity decreases significantly.

Sinretol supports long-lasting benefits.

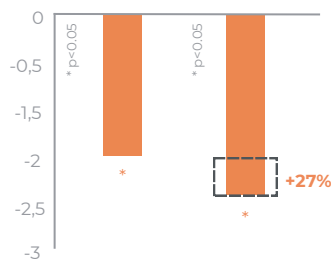
Body weight

(kg) ΔW1-W16 & follow-up 20



Fat mass loss

(kg) ΔW1-W16 & follow-up W1-W20



1 month after the end of the supplementation:

- **Subjects continue to lose body weight.**
- **Subjects continue to reduce body fat mass.**