

SLIMLITE

- Purpose for Anti-cellulite effect -

Applicable products of SLIMLITE

Body care; For slimming product (cream, lotion, gel etc)



What is SLIMLITE ?

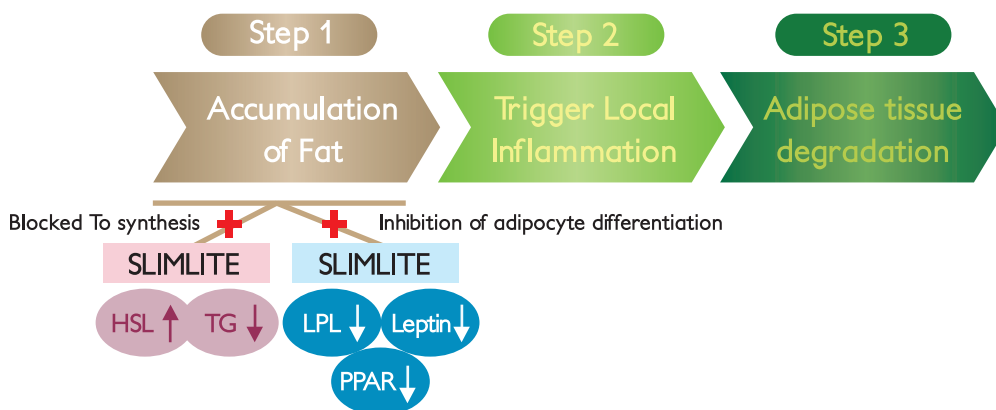
SLIMLITE is a Magnolia bark hot water extract as an anti-cellulite effect agent, based on its abilities from inhibition of lipid accumulation through down-regulation of PPARs, HSL, LPL, Leptin. SLIMLITE can be use body care cosmetics who are carving for perfect body shape solution.

Main Ingredients



Common name	Magnolia bark
Main ingredients	Magnolol, Isomagnolol, Honokiol, Machiol
Biological effects	Stomachic effect, Anthelmintic effect Anti-bacterial effect
GMO statement	To the best of our knowledge SLIMLITE is not made from nor contains any ingredients derived from GMO sources

The scheme represents of anti-cellulite action mechanism in intracellular

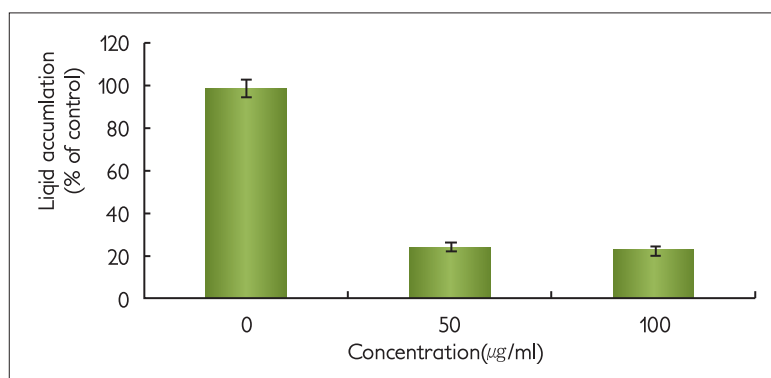


SPECIFICATION

INCI Name	Water / Butylene glycol / Magnolia Officinalis Bark Extract
Color	Brown Liquid
pH	4.00-6.00
Specific gravity	0.980-1.100
Preservative	Non-added
Shelf life	2 years
Dosage	2.0-5.0%

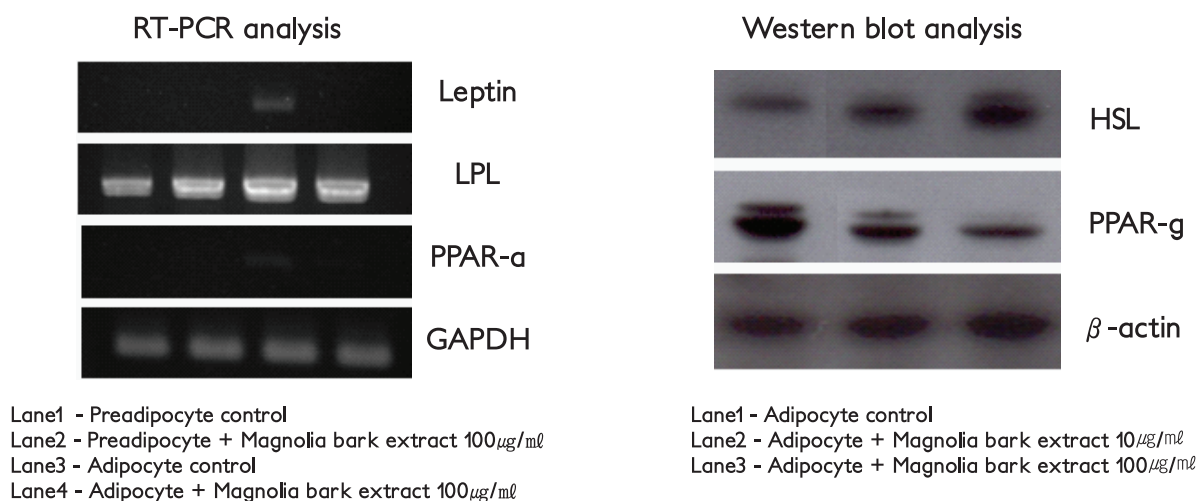
Main Biological Effects for Cosmetics

● Effect of Magnolia bark extract on intracellular lipid accumulation during adipocyte differentiation



During the differentiation of 3T3-L1 preadipocytes to adipocytes the cells were treated with Magnolia bark extract, and intracellular lipid content was measured. Magnolia bark extract at 50 μg/ml suppressed lipid accumulation by 80%.

● Effect of Magnolia bark extract on expression of transcriptional factors



To investigate the inhibitory mechanism of Magnolia bark extract during the differentiation period, the expression of transcriptional factors for adipocyte differentiation were examined. As a result we have showed the Magnolia bark extract can inhibit of adipocyte differentiation and induced lipolysis in the adipocyte.