

# AprèsFlex®

## SUPPORTS HEALTHY JOINTS AND CONNECTIVE TISSUES

JOINT HEALTH

- AprèsFlex® supports healthy joints and connective tissues
- Clinically-studied using validated tests of function and blood markers
- Helps improve bioavailability and bioactivity of AKBA
- A previously unrecognized synergistic benefit of Boswellia extracts
- Demonstrates significant 5-Lipoxygenase inhibition
- Superior MMP-3 inhibition

AprèsFlex® is a new, patented dietary ingredient targeting mediators of comfort and flexibility. These include 5-lipoxygenase, 5-lox activating protein (FLAP), TNF- $\alpha$  and other important mechanisms. By supporting normal, healthy levels of these mediators, AprèsFlex® promotes healthy joints and connective tissues. In a recent clinical study, AprèsFlex® supplementation demonstrated significant improvements in joint comfort, function and mobility. Several objective blood markers of systemic activity were significantly improved as well.

GROWTH THROUGH INNOVATION



**PLT**  
HEALTH SOLUTIONS

# APRÈSFLEX® IS THE NEXT GENERATION BOSWELLIA EXTRACT

## AprèsFlex®

AprèsFlex® is the next generation boswellia extract. The researchers at Laila Nutra, India, have developed a new composition based upon the clinically-studied Boswellia Serrata extract providing Acetyl-11-keto- $\beta$ -boswellic acid (AKBA) with a proprietary Boswellia extract. This unique composition improves the bioavailability and bioactivity of the AKBA while the proprietary extract exhibits 5-LOX inhibition as well. Together, the synergism exceeds the expected benefit of the individual ingredients. AprèsFlex® also more effectively inhibits MMP-3 activity, helping protect against collagen degradation, an important component of connective tissues.

Tests show that compared to AKBA alone, AprèsFlex® promotes faster absorption, quicker therapeutic benefit, and the elimination pattern shows higher blood levels suggesting a longer lasting activity.

### Developed at the Laila Impex Research Center

AprèsFlex® is presented in alliance with Laila Impex Research Center, a division of Laila Nutra, a leading producer of herbal extracts and phytochemicals in India. The center is recognized by the Indian Government's Department of Scientific and Industrial Research (DSIR), is affiliated with numerous university Ph.D. programs, and actively collaborates with a number of US institutions, including Georgetown University and the Ohio State University Medical Center.

### In vivo Safety Studies

- Acute Oral Toxicity: LD<sub>50</sub> > 5000 mg/Kg
- Acute Dermal Toxicity: LD<sub>50</sub> > 2000 mg/K
- Primary Skin Irritation: Non-irritating to skin
- Primary Eye Irritation: Minimally irritating to eye
- Sub-acute Toxicity: LD<sub>50</sub> > 2500 mg/Kg

### Biochemical mechanisms of action

- 5-LOX inhibition
- TNF inhibition
- IL-1 inhibition
- MAP kinase/NFkB inhibition
- MMP3 inhibition



Laila Nutra



THESE STATEMENTS HAVE NOT BEEN EVALUATED BY THE FOOD AND DRUG ADMINISTRATION. THIS PRODUCT IS NOT INTENDED TO DIAGNOSE, TREAT, CURE, OR PREVENT ANY DISEASE.

Contact PLT Health Solutions for samples and more information.  
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