



## **IridoForce™**

**Your solution against Arthritis  
or Chronic Joint symptoms, which  
today affect 1 in 3 adults over age 40**





The increase in cases of osteoarthritis establishes it as the major rheumatic disease. To combat symptoms of this chronic rheumatism which generally affects adults over 40 and intensifies after 60 years of age, modern medicine proposes Non-Steroidal Anti-Inflammatory Drugs (NSAIDs).

Now, there's **IridoForce™**!

IridoForce™ is the trademark of Burgundy Botanical Extracts, manufactured under patented process. It brings up to 20% Harpagoside [HPLC, ie 40-50% by UV method].

IridoForce™ is classified as non-toxic (hazard Category 5).

IridoForce™ is manufactured under the strictest procedures ISO22000.

Organic grade available (specific grades).

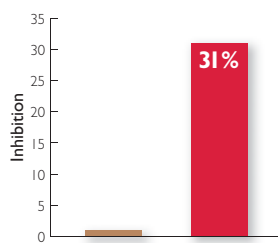
Allowed in Europe, and listed in the Pharmacopea.

Scientific dossier available upon request with clinical studies.

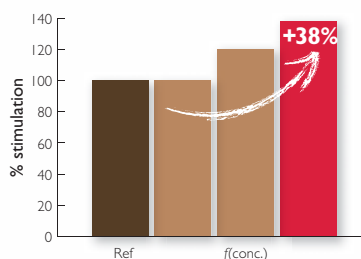
IridoForce™ is not a simple extract. IridoForce™, manufactured under a patented process, is the solution that makes it possible to adjust the assay in harpagosides in your galenic formulation... It remains harpagoside, but better, keeping all clinical works which have linked Gluco-iridoids from *Harpagophytum procumbens*, and in particular harpagoside, to the treatment of chronic and degenerative joint diseases.

The high percentage of harpagosides contained in IridoForce™ (up to 20% by HPLC, ie. more than 40% by UV) now enables you to provide the **optimal amount of gluco-iridoids in a single capsule**. You can even easily add other actives such as chondroitin sulphate, glucosamine or omega 3, in order to develop a specific formula.

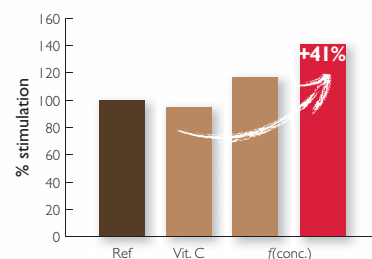
After its success to reach a targeted very high titration, **Burgundy conducted different studies** to observe the results of **IridoForce™** on the chondrocytes and the COX-2 in order to highlight the effects of the gluco-iridoids in particular the harpagoside, against the chronic inflammation of the cells which build the cartilage (chondrocytes), in charge for the progressive destruction. Burgundy also proved the regeneration through a unique model based on hyaluronic acid synthesis.



**31% of Inhibition of Cyclo Oxygenase 2**



**IridoForce™ assists the extracellular matrix construction (synthesis of GAGs) +38%**



**+41% / Synthesis of hyaluronic acid (human chondrocytes)**

IridoForce™ shows a significant effect in inhibition on human COX2 of 31 %. This efficiency permits to use **IridoForce™** as a Non-Steroidal Anti-Inflammatory Drugs (NSAIDs), which alleviates pain by counteracting the cyclooxygenase (COX) enzyme. And **IridoForce™** significantly stimulates the synthesis of hyaluronic acid by the normal human chondrocytes, for new formation of Extra cellular matrix (ECM).

# IridoForce™ : one dosage combats inflammation and regenerates

It's now possible to provide the necessary intake of needed Harpagosides with just one capsule per day

IridoForce™ is manufactured in our plant in France, respecting the strictest ISO 22000 (Food and Hygiene Safety Management) procedures.

Our products are Kosher and non-GMO certified. Burgundy uses a complete set of advanced equipment for extraction, purification, column chromatography, concentration and drying. Our quality control laboratory is fully equipped with the most advanced instruments of analysis.

## Efficient\*:

Anti-inflammatory action  
Pain improvement  
Arhus index improvement  
Action on arthritis  
Action on lower back pain

## Relevant:

No adverse effects  
No toxicity

## Innovative:

Reduction of daily intake  
Galenic innovation

There is growing incidence of rheumatic disorders. increases in the western societies because of the growth of the standard of living and some structure of the population which results from it. The chronic degenerative inflammatory forms, as well as the rheumatism of soft tissues are the most frequent. Nowadays, the therapeutic efforts concern the symptomatic treatment of the most invalidating debilitating effects as the inflammation, the pain and the limitation of the articular movements.

Recently, extensive investigations into the biological activity in general and the potential pharmacological activity in particular, have revealed that iridoids, especially harpagoside, were shown to exert anti-inflammatory effects similar to NSAIDs, by interacting with Arachidonic Acid metabolism pathways:

- Action on eicosanoids synthesis
- Action on cyclo-oxygenase, lipoxygenase and NO synthetase
- Action on TNF $\alpha$  liberation
- Action on Cys-LT synthetis
- Action on enzymes responsible for collagen degradation

**Only one daily intake**  
(very High Harpagoside content)

**Scientific references available**

**Anti-inflammatory & Regeneration of Cellular Matrix**

**Allows to develop new galenics and decrease price / posology**

Example from our scientific study: 1 oral intake / day to bring 30 mg of harpagoside.

Ingredients	Weight / capsule	Weight for 100 kg
IridoForce™ 40.20	150 mg	73.2 kg
Microcrystalline Cellulosis	25 mg	12.2 kg
Magnesium stearate	20 mg	9.7 kg
Silicone dioxid	10 mg	4.9 kg
<b>Total</b>	<b>205 mg</b>	<b>100 kg</b>

Example of Soft Caps formulation (one caps/day) based on IridoForce™ (to bring 20 mg Harpagoside) and Omega 3.

Ingredients	Weight / capsule	Disperse IridoForce™ 40.20 in Oil phase A, while homogenizing – Combine components of phase B, while homogenizing then encapsulate phase A with B.
<b>A</b>	Omega 3 (50/15)	375 mg
	IridoForce™ 40.20 (micronized powder)	100 mg
<b>B</b>	Succinyl gelatin	15 mg
	Glycerol	10 mg
	Titane dioxide	5 mg
	Red iron oxyde	3 mg
	Yellow iron oxyde	2 mg
<b>Total</b>	<b>510 mg</b>	

## Content of the Scientific Dossier

**Description:** Botanical & Biochemical datas

**Physiology:** Traditional use, Description of physiological effects

**Published data:** human, animal, in-vitro

**Security:** Toxicology, Alerting points, Risks of contamination, Usual dosage

**IridoForce™:** Description & Process, Specifications, Characterization, Contaminants

**Scientific Efficiency:** Specific Studies with IridoForce™

**Recommended dosage:** 20-40mg per day of Harpagoside, down to 10-20mg if combined with other actives

**Example of formulations, Datasheets, MSDS, Certificates, Legal Aspects References**



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BOTANICAL EXTRACTS

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for the health supplement industry

