



The food supplement design to
reduce stress, nervous eating and
improve normal mood, relaxation
and a good sleep.



[Griffonia Extract]

Titrated to 25% 5-Hydroxytryptophan



[Linalool]



[Easyrelax Complex]

- Hemp seed oil
- Beta caryophyllene
- Vitamin E
- Vitamin A



[Vitamin B6]



gluten free

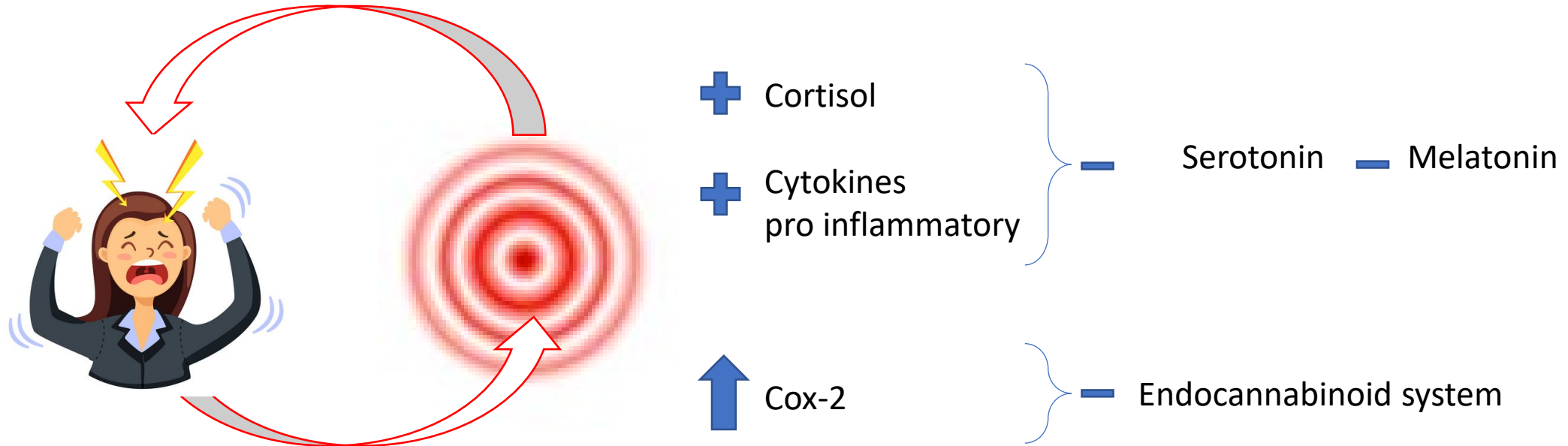


lactose free



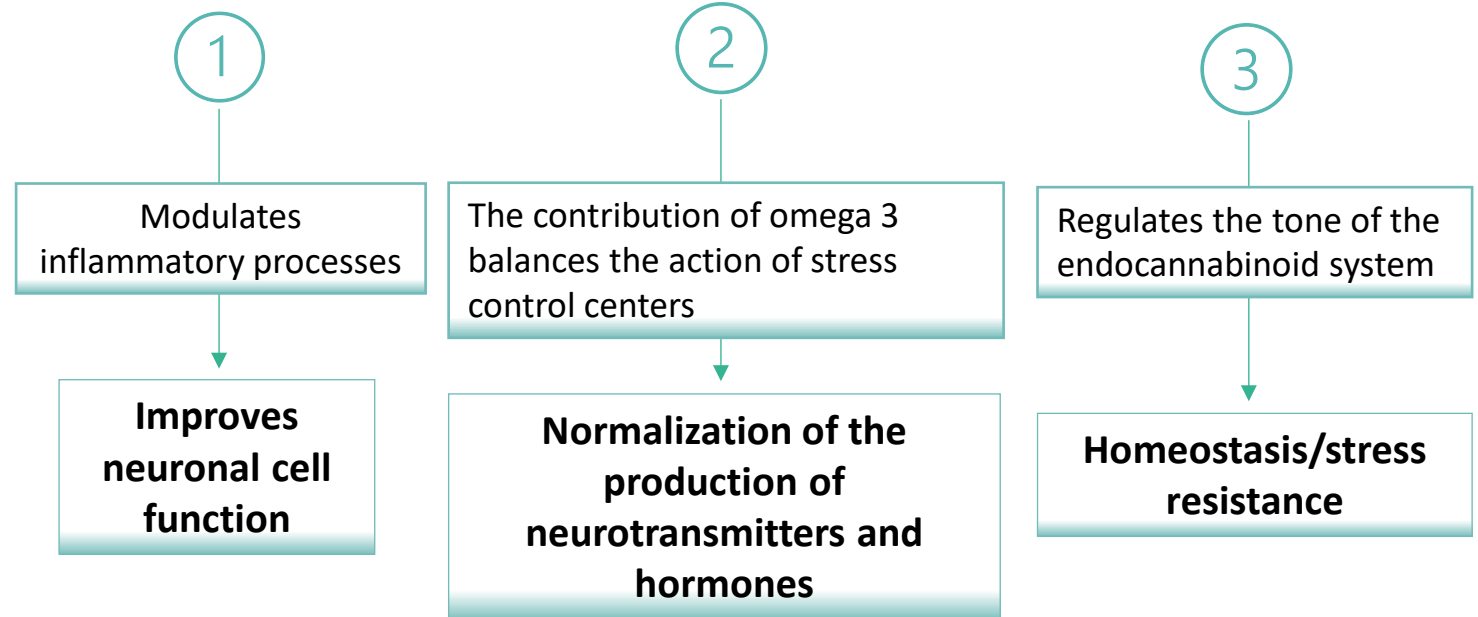
vegan formula

Psycho-physical stress and inflammation are directly related and feed each other through various biochemical pathways of our body.





Based on hemp seed oil, vitamin E, vitamin A, beta caryophyllene acts on the regulatory centers of neurotransmitters and hormones.





Easyrelax
complex

The results obtained from the in vitro test confirm the modulation of the inflammatory process through the reduction of the activities of COX-2, IL-1beta and IL-6.

The neuronal cell benefits from this situation by improving its activities.

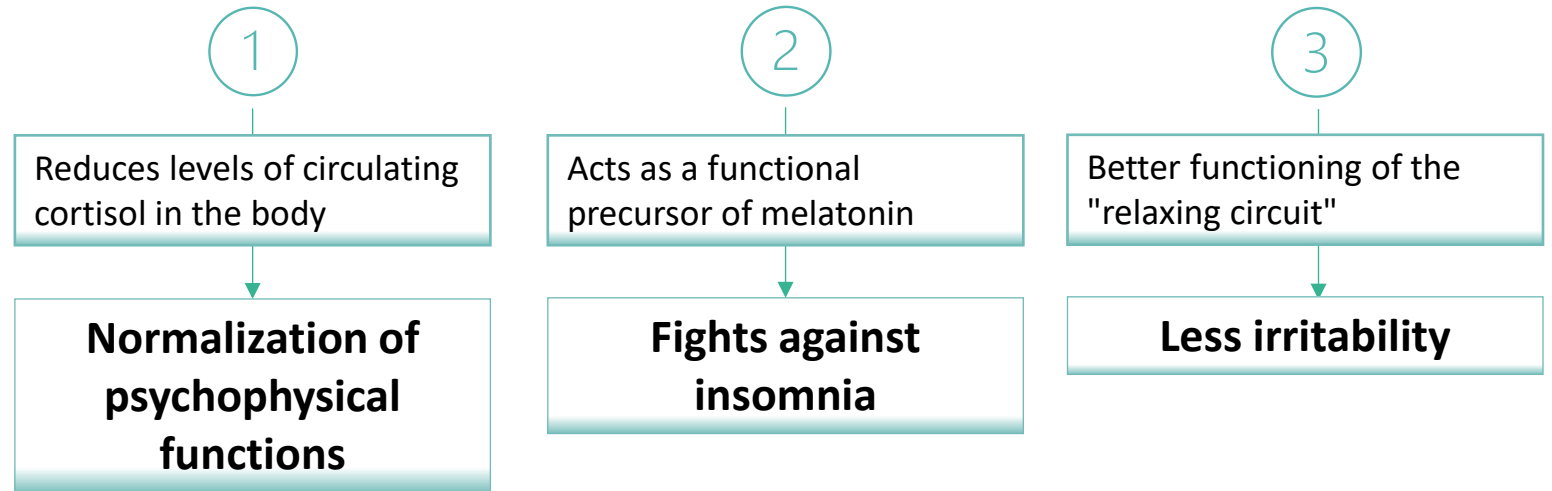
Neuroinflammation plays a key role in the onset and course of neurodegenerative, demyelinating diseases and psychiatric and neurodevelopmental disorders.

[Griffonia Extract]

Titrated to 25% 5-Hydroxytryptophan



Titrated in 5-hydroxytryptophan, a direct precursor of serotonin, a key substance in balancing hormone levels in phases of stress.



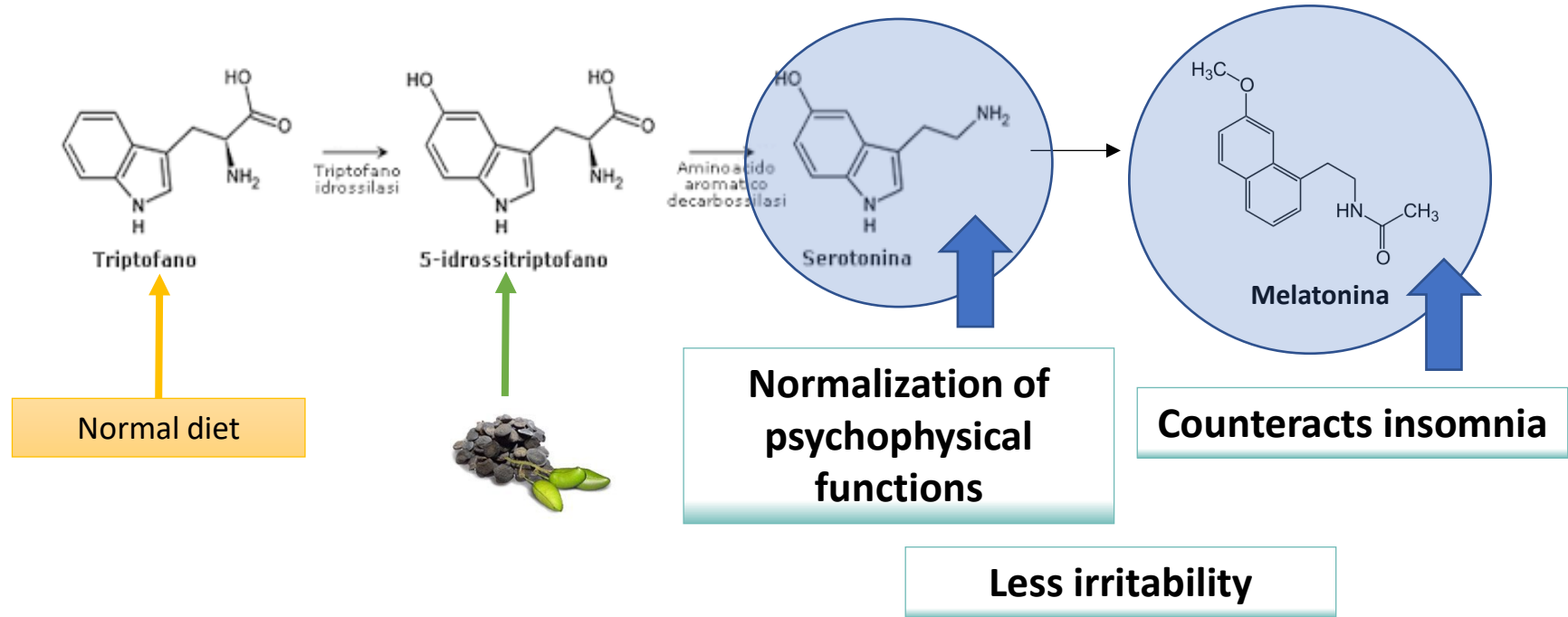
1, Maffei ME. 5-Hydroxytryptophan (5-HTP): Natural Occurrence, Analysis, Biosynthesis, Biotechnology, Physiology and Toxicology. Int J Mol Sci. 2020 Dec 26;22(1):181.
 2, Carnevale G, Di Viesti V, Zavatti M, Zanolini P. Anxiolytic-like effect of Griffonia simplicifolia Baill. seed extract in rats. Phytomedicine. 2011 Jul 15;18(10):848-51

[Griffonia Extract]

Titrated to 25%
5-Hydroxytryptophan



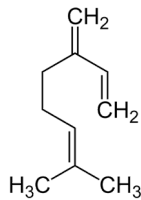
5-HTP is able to overcome the blood-brain barrier and reach the Central Nervous System, at which level it can then be converted into serotonin and melatonin.



WHY IS IT UNIQUE?

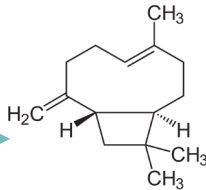


Biolymra Calm is the first Food supplement in the world designed to express the calming virtues of the hemp plant in synergy with two pure terpenes, Linalool and Beta caryophyllene.



Linalool is the terpene most present in **Lavender essential oil**. It acts on the functional balance for **psycho-physical well-being** through a multilevel action:

- *Blocking the excitatory action of glutamate.*
- *Increased serotonin release, supporting the action of Griffonia extract.*
- *Decreased adrenaline levels.*
- *It doesn't stun like antidepressant drug (e.g. Benzodiazepines)*



Beta caryophyllene is a pure terpene, common in black pepper. It regulates the tone of the endocannabinoid system, counteracting anxiety states without side effects.

VITAMIN B6

[Vitamin B6]



Vitamin B6 is part of the so-called water-soluble vitamins, which cannot be accumulated in the body and must be regularly taken through food.

1

Catalyzes the **conversion of serotonin into melatonin**

More melatonin, better falling asleep

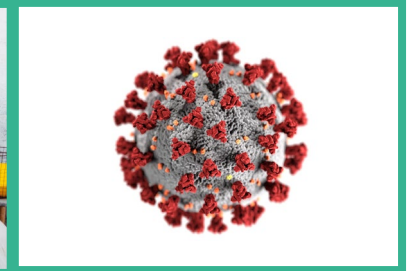
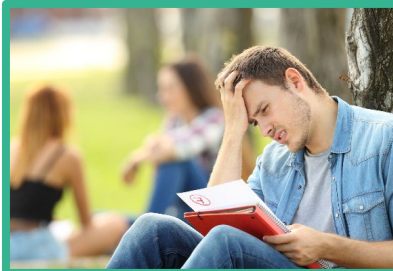
2

It is involved in the secretion of serotonin, dopamine and GABA

Promotes the body's response to stress



- Stressed subjects
- Anxious subjects
- Adjuvant in cases of depression and anxiety
- Sleep disorders
- Mood disorders
- Menopause
- Nervous hunger
- Cycle pains
- Stress dermatitis or psoriasis
- Stress hair loss
- Oncologic patients
- Covid stress and anxiety





It is recommended to take 2 softgels a day, with a glass of water, preferably with meals.

→ It is suggested not to take coffee or exciting drinks 1 hour before and 1 hour after taking Biolybra calm

→ To support the biorhythm of the body it is recommended to take the product at breakfast or mid-morning and after lunch.

→ Supplements are not intended as a substitute for a varied and balanced diet and a healthy lifestyle. Do not exceed the recommended daily dose. Keep out of reach of children under 6 years old. Do not use after the expiry date indicated on the package. The expiration date refers to the product properly stored, in unopened packaging. Store in a cool, dry place away from light. It is advisable to contact your doctor if you are pregnant and breastfeeding.



The new era of food supplement based
on Hemp seed oil and pure terpenes
for body and mind well-being



The power of Nature revealed by Science

BioLybra: the new era of food supplements

BioLybra food supplements are designed to act **AT THE CENTER** of the problem and on the relative **symptomatology**, awaking the physiological metabolism of our organism and regulating the inflammatory state, while they restore the body and mind balance in case of **CHRONIC JOINTS & MUSCLE PAIN** and in case of **STRESS**.



*WELL-BEING OF
BODY AND MIND*



*SPECIFIC AND
GLOBAL ACTION*



*INSPIRED BY
NATURE*



*BALANCE
OUR BODY*



*HEMP OIL AND
PURE TERPENES*

The key botanicals



The BioLybra food supplements inspiration is Cannabis plant.

From the heart of this plant, seeds, we obtained a precious **Hemp seed oil, naturally rich with the clinically approved balanced ratio of **omega-3 and omega-6 fatty acids (1:3)**, which allows a **modulation of inflammation** and protects cells membranes integrity and functioning.**

Pure terpenes from aromatic plants



Ansce Bio generic R&D lab has discovered the highest potentiality of Nature for our health, thanks to TERPENES.

Terpenes are 100% Pure molecules with high biological activity, used in synergy with Hemp seed oil to modulate inflammation and the related discomforts in different pathological situations.



Terpenes are aromatic compounds that give the characteristic scent to many plants such as pine, lavender, rosemary, lemon, hemp.



They represent the **main components of essential oils** that perform several fundamental functions for the life of the plant (protective, healing, attracting pollinating insects, waste metabolites)



These compounds have demonstrated **important biological activities** on human and animal organisms (relaxing, sedative, antiinflammatory, analgesic) and contribute significantly to the beneficial activities of many medicinal plants.



Botanical extract & Vitamins



Biolymra supplements are formulated with a **single targeted plant extract**, present in functional quantities and with a high titration, ideal to provide the desired beneficial effects.

Vitamins chosen for BioLybra formulations are specific to act in a global approach to the problem. They are Essential to make the functions of our body efficient, since it is subjected to continuous stress of various types.

BioLybra: the innovative target

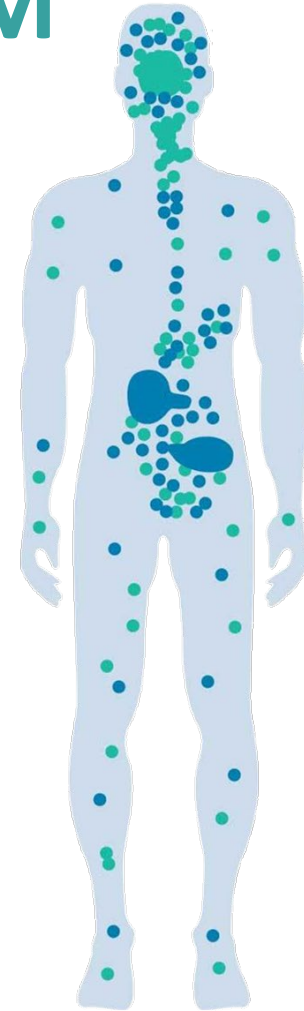
ENDOCANNABINOID SYSTEM

The Endocannabinoid System (ES) is a biological system of communication between cells and participates in the regulation of almost all vital processes, **including inflammatory processes and mechanisms of adaptation to stress.**

In detail, it regulates the homeostasis of: **EAT, SLEEP, RELAX, FORGET.**

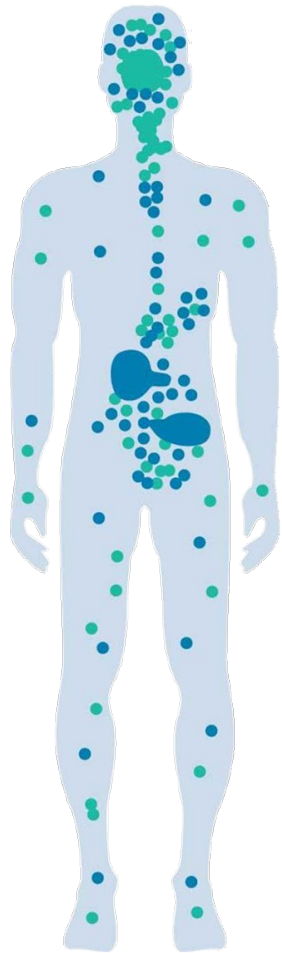
It is composed of: **Receptors:** CB1 (SNC) and CB2 (SNP); **Ligands** and **Enzymes.**

BioLybra food supplements are formulated with hemp seed oil and pure terpenes, able to act directly on endocannabinoid system, favoring its homeostasis.



BioLybra: the innovative target

ENDOCANNABINOID SYSTEM



CB1

- Activity and motor coordination
- Thought
- Appetite
- Short memory
- Pain perception
- Immune system cells

CB2

- Intestine
- Kidneys
- Pancreas
- Adipose tissue
- **Musculoskeletal system**
- Eyes
- Reproductive system
- **Immune system**
- Respiratory system
- Skin
- **Central nervous system**
- Cardiovascular system
- Liver



CB2 receptors have a wider distribution than CB1 and affect many functions of the body

BioLybra: the key concept

INFLAMMATION

Inflammation is a non-specific physiological mechanism through which our body repairs itself and allows the survival of the individual.

Inflammation is the response to stress, resulting from trauma, wounds, external pathogens, but also wrong lifestyles and incorrect nutrition.

ACUTE AND/OR CHRONIC INFLAMMATION

If the agent causing inflammation cannot be eliminated, an **acute inflammatory** response can become chronic inflammation. Repeated episodes of acute inflammation can also result in **chronic inflammation**.



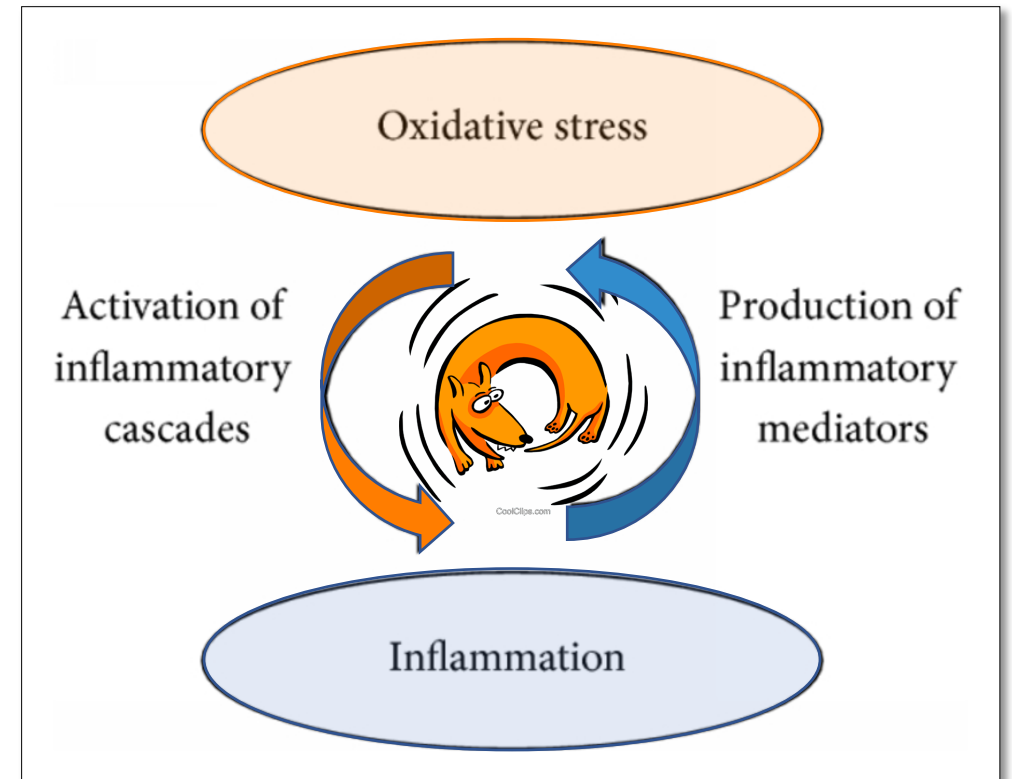
BioLybra: the key concept

OXIDATIVE STRESS

Chronic inflammation is associated with the production of reactive oxygen (ROS) and nitrogen (RNS) species by both inflammation cells and epithelial cells.

In normal conditions, the antioxidant system counteracts the excess of free radicals.

Free radicals activate genes that determine the production of pro-inflammatory cytokines.



Our under-patent Blend

The heart of BioLybra food supplements is the under-patent EASYRELAX TERPENDOL® blend based on hemp seed oil, vitamin E, vitamin A and Beta-Caryophyllene, tested in vitro for its ANTI-INFLAMMATORY AND ANTIOXIDANT ACTION.

This blend is present in both BioLybra CALM & BioLybra DOL.



HEMP SEED OIL

With balanced content of $\omega 6/\omega 3$ in a 3:1 ratio

BETA
CARIOFILLENE

Selective CB2 receptor agonist phytocannabinoid

VITAMIN A

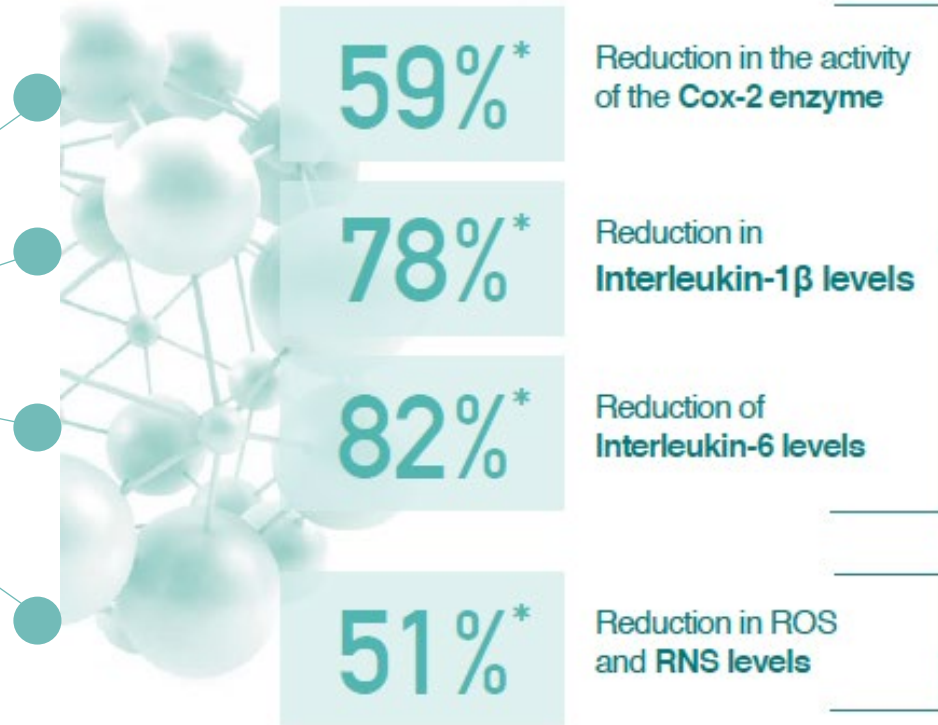
Supports the immune system

VITAMIN E

Counteracts oxidative stress

ANTINFLAMMATORY & ANTIOXIDANT ACTIVITY

BioLybra blend





The food supplement design to
reduce inflammation and state of
muscle tension, by improving
mobility and joints functionality.

[Ginger Extract]

Titrated to 22% in Gingerols and Shagaoli



[Myrcene]

Analgesic pure terpene



[Terpendol Complex]

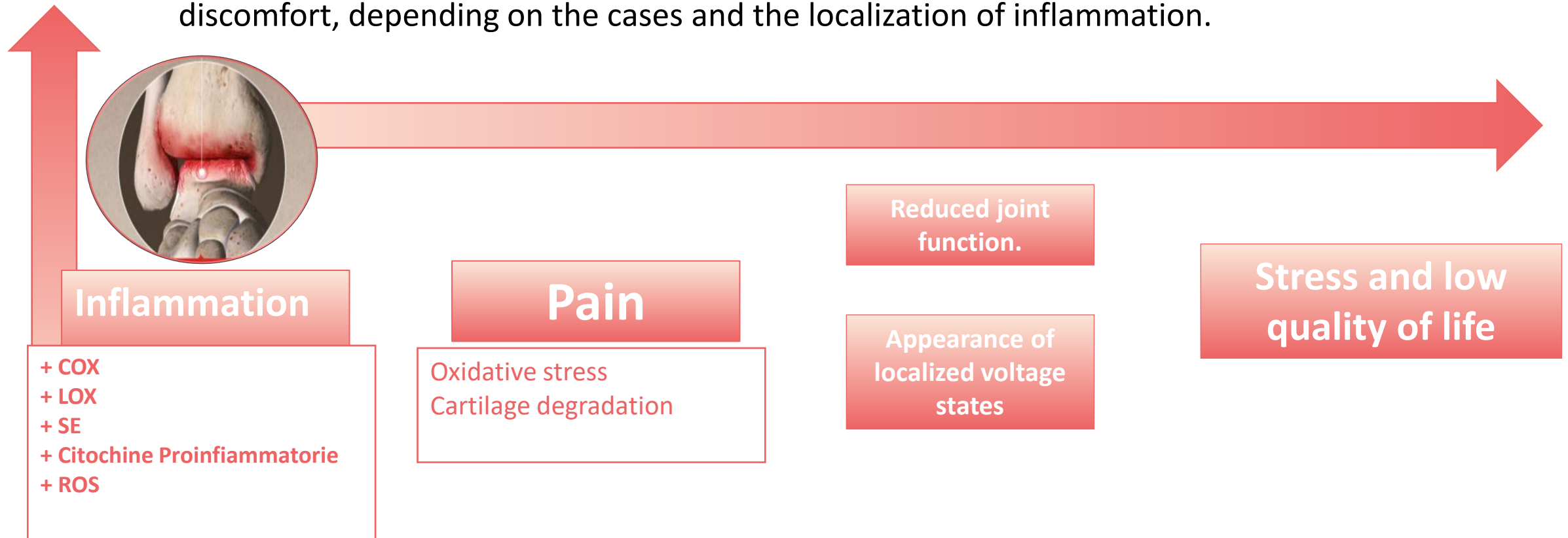
- Olio di semi di canapa
- Beta cariofillene
- Vitamina E
- Vitamina A



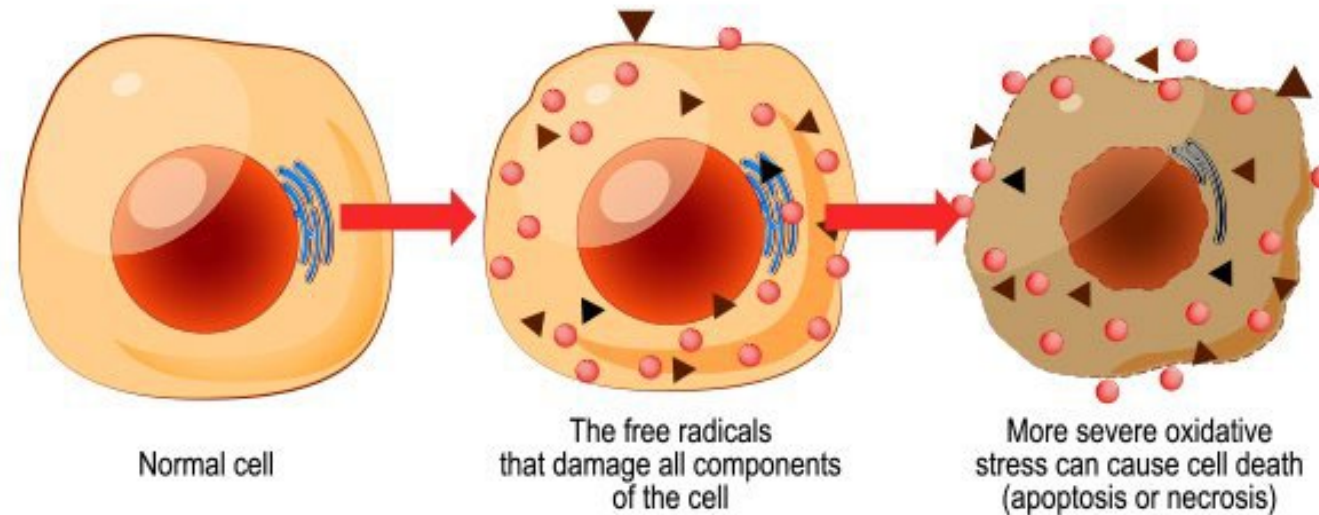
[Vitamin B12]



Responsible for the pain are prostaglandins that play a powerful sensitizing action on the nerve endings involved in the propagation of the painful stimulus, causing an intense discomfort, depending on the cases and the localization of inflammation.



In the presence of painful states, **free radicals** cause the **release of arachidonic acid** with the consequent production of inflammatory substances and sensitize the pain receptors, called nociceptors, amplifying the painful sensation already in place.



TERPENDOL COMPLEX

Based on hemp seed oil, vitamin E, vitamin A, beta caryophyllene improves joint function

[Terpendol complex]

1



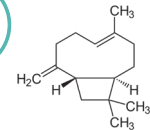
Modulates inflammatory processes

2



Counteracts the excess of free radicals

3



Regulates the tone of the endocannabinoid system

Reduces chronic inflammation and improves joint and muscle function

**Ginger
Extract**

Terpendol
Complex

Vitamina
B12

Ginger is a plant of indigenous origin used for millennia in traditional medicine. The active ingredients Gingerols and its derivatives, such as zingerone and shogaols, are responsible for the properties:

Anti-inflammatory

Analgesic

Antioxidant

**Reduces pain and
swelling (VAS scale)**

In case of osteoarthritis, it is more effective than ibuprofen

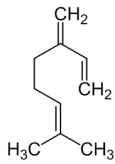
In osteoarthritis it has a similar effectiveness to NSAIDs, without the gastrolesive effects

Accelerates muscle recovery after intense physical exertion



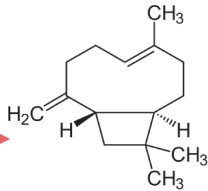


Biolymra DOL proposes for the first time a functional integration based on hemp seed oil and terpenes functional to reduce inflammation and pain, Myrcene and Beta caryophyllene.



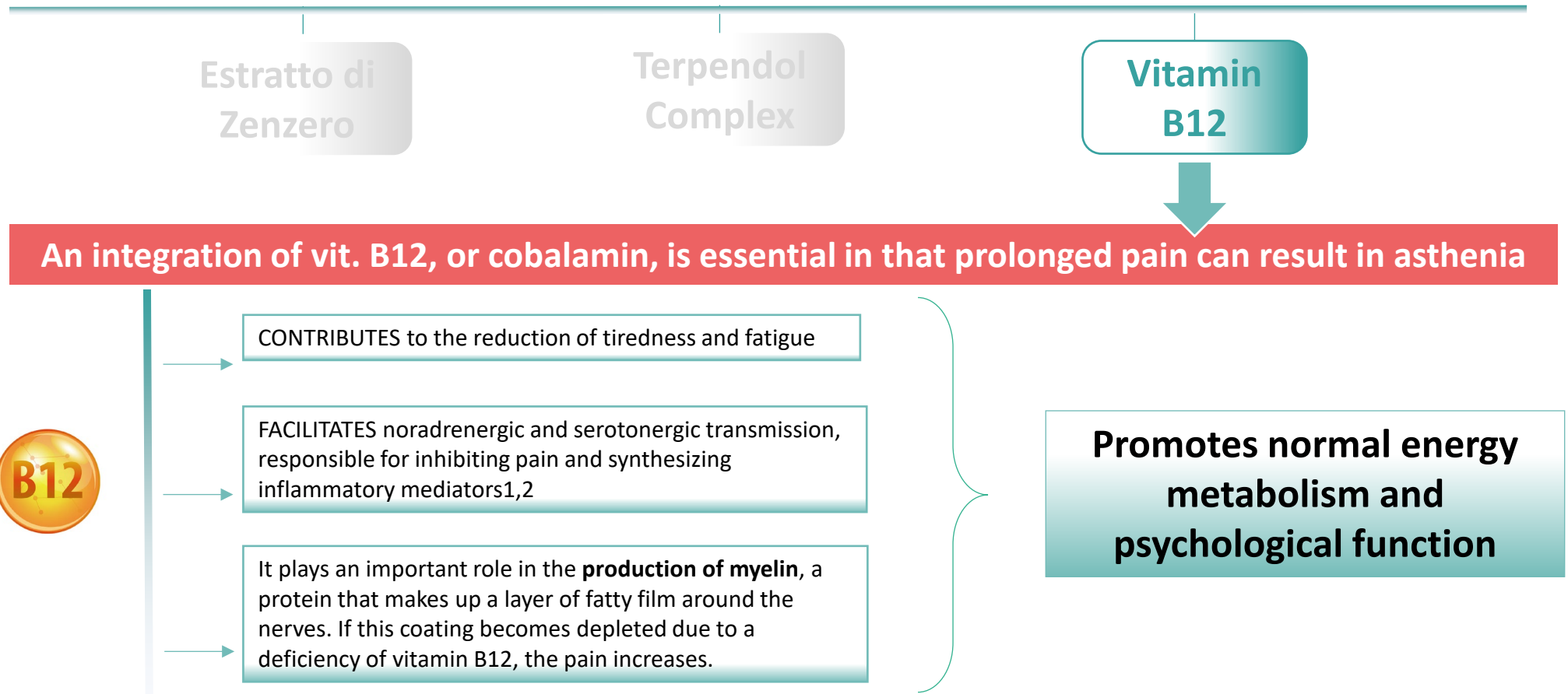
Myrcene performs **analgesic action** through interaction with the main receptor of the transmission of pain sensation (TRPV1) and an anti-inflammatory action, by reducing the production of cytokines involved in the development of inflammation and pain.

In addition, myrcene protects cartilage from degradation.



Beta caryophyllene is a phytocannabinoid, that regulates the tone of the endocannabinoid system by acting as an agonist of CB2 receptors and increasing the release of Beta-endorphin, an endogenous opioid that reduces the sensation of pain.

Beta-caryophyllene also activates anti-inflammatory effects, described both in vitro and in vivo.





Knee osteoarthritis
Diffuse joint pain
Tension and stiffness from stress, posture, excessive loads
Contractures and muscle tension
Muscle and joint pain
Arthritis and Arthrosis
Fibromyalgia
Cervicalgia
Migraine
Post-stroke or post-Covid pain
Tension or cluster headache
Inflammation of the trigeminal or piriformis
Recovery fatigue physical activity
Neuropathic pain



It is recommended to take 2 softgels a day, with a glass of water, preferably with meals.

- It is suggested not to take coffee or exciting drinks 1 hour before and 1 hour after taking Biolybra DOL
- The product can also be taken "as needed" up to a maximum of 4 times a day
- Supplements are not intended as a substitute for a varied and balanced diet and a healthy lifestyle. Do not exceed the recommended daily dose. Keep out of reach of children under 6 years old. Do not use after the expiry date indicated on the package. The expiration date refers to the product properly stored, in unopened packaging. Store in a cool, dry place away from light. We recommend contact your doctor if you are pregnant and breastfeeding.



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