

InSpire

Plant part: Leaf

Plant name: Agrimony

Scientific name: *Agrimonia eupatoria*

INCI name: Agrimonia Eupatoria Leaf Extract



Plant Story

- ▶ *Agrimonia eupatoria* is a perennial herbaceous plant native to Europe and grown in Scotland as a medicinal herb. This plant has yellow flowers, with 5 symmetrical petals, but is mostly dark green in colour and covered in light hairs. It can grow up to around 3-4 feet tall and has an aromatic smell, which is even preserved when dried. Agrimony is naturally founded in open spaces such as wooded areas and fields. The flowers of this plant produce burred fruit, which stick to the coats of animals or the clothes of humans to help dispersal of seeds.
- ▶ The Greek word *Agrimone* meaning an eye-healing plant, although not used for this purpose is the route of the name Agrimony.

Harvesting *Agrimonia eupatoria*

- ▶ The seeds of *Agrimonia eupatoria* are to be placed in the winter, for a summer bloom with flowers from around June to September.
- ▶ The harvest period for this plant is either when the flowers open/ around midsummer with the whole plant being cut or leaves being removed when needed. The cut plant can then be hung in a dry, warm place to dry.
- ▶ Drying of the plant should take place out of the sun, even in the dark, in a well-ventilated space.



Traditional Uses



- ▶ Agrimony was a popular alternative for tea, due to its scent's effect on the flavour. Also brewing of the plant's leaves in many countries creates a 'spring drink' thought to be beneficial for blood purification.
- ▶ Agrimony has been in use for centuries as a healing herb. It was used to treat wounds, skin blemishes and warts. In China, it is thought to have the potential to inhibit bleeding.
- ▶ The plant was thought to be used to eliminate bad energy in spells by witches.



Modern Uses



- ▶ The plant is well known for its use as a raw material for the extraction of medicinal ingredients or production of drugs in the pharmaceutical industry.
- ▶ Anti-inflammatory and antioxidant are just two properties of agrimony (aerial parts) that make it desirable for tincture and decoction use in traditional medicine.
- ▶ Agrimony is rich in secondary metabolites, including tannins, flavonoids, phenolic acids and triterpenoids and these compounds have been correlated to its anti-inflammatory, neuroprotective, antidiabetic, anti-obesity, hepatoprotective properties.



Key Functions



Antioxidant



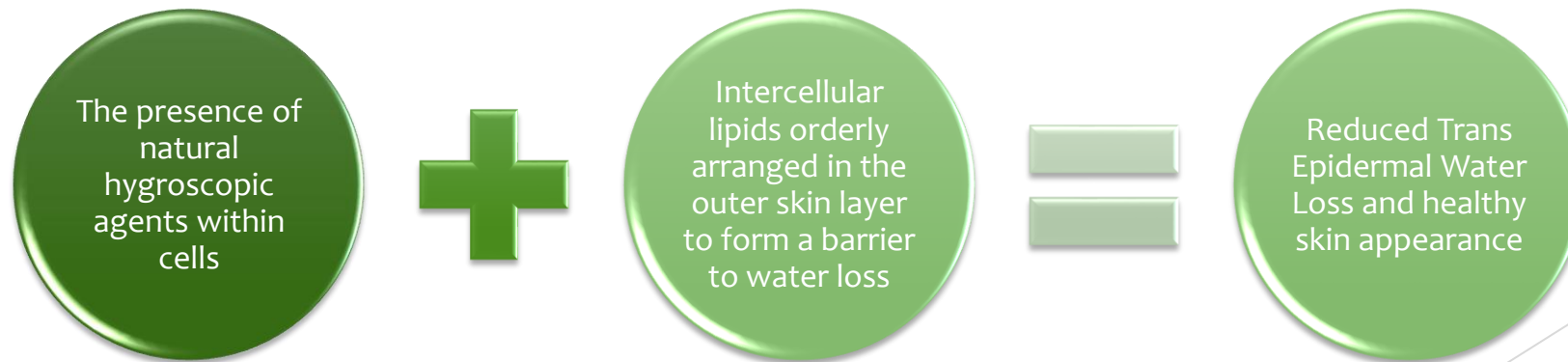
Anti-
Inflammatory

Skin Structure

Four Layers

- Stratum corneum
- Stratum lucidum
- Stratum granulosum
- Stratum spinosum

➤ Retention of water in the skin

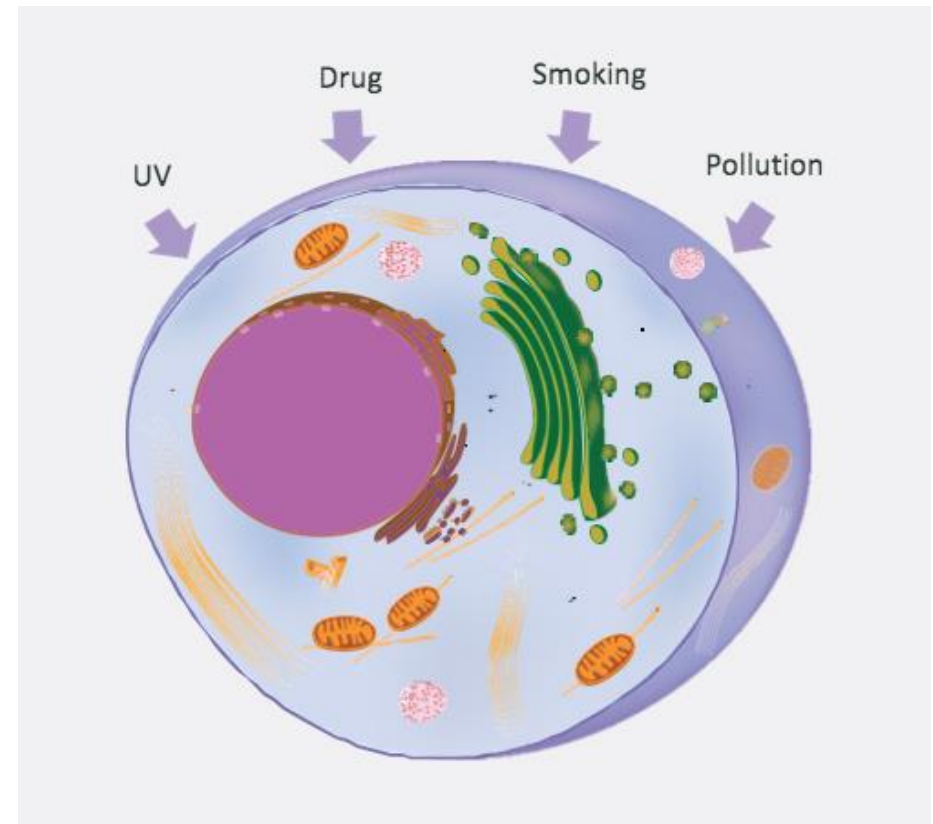


Antioxidants

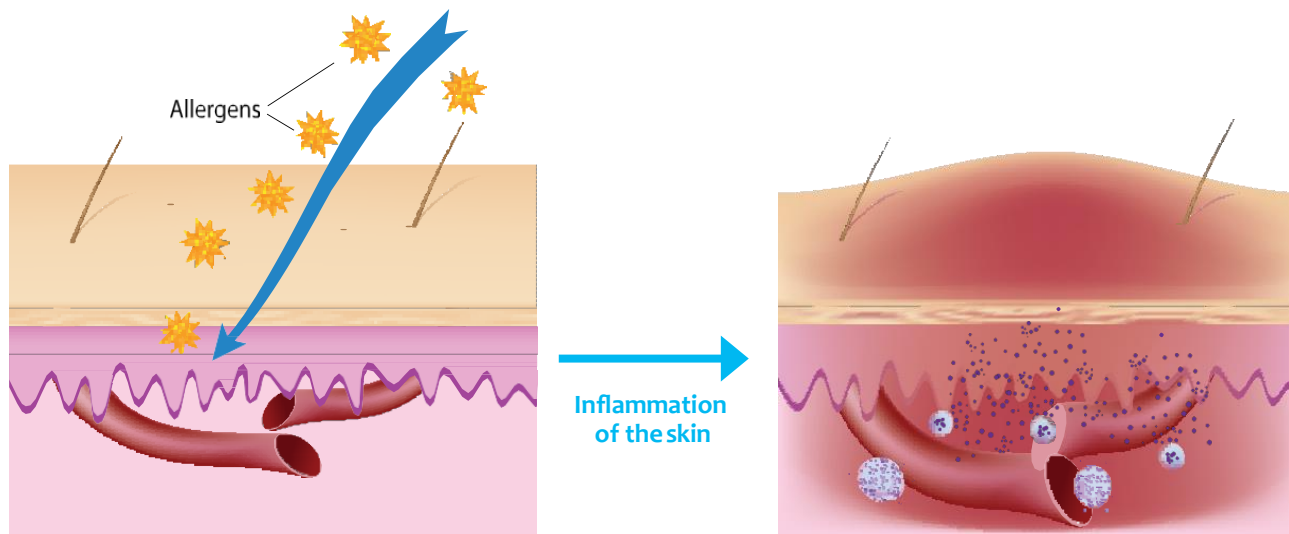
Our skin is under attack from many factors in daily life, such as UV, pollution and smoking. These factors increase the Reactive Oxygen Species (ROS).



Antioxidants from InSpire can inhibit the generation of ROS and in turn inhibit cellular damage.



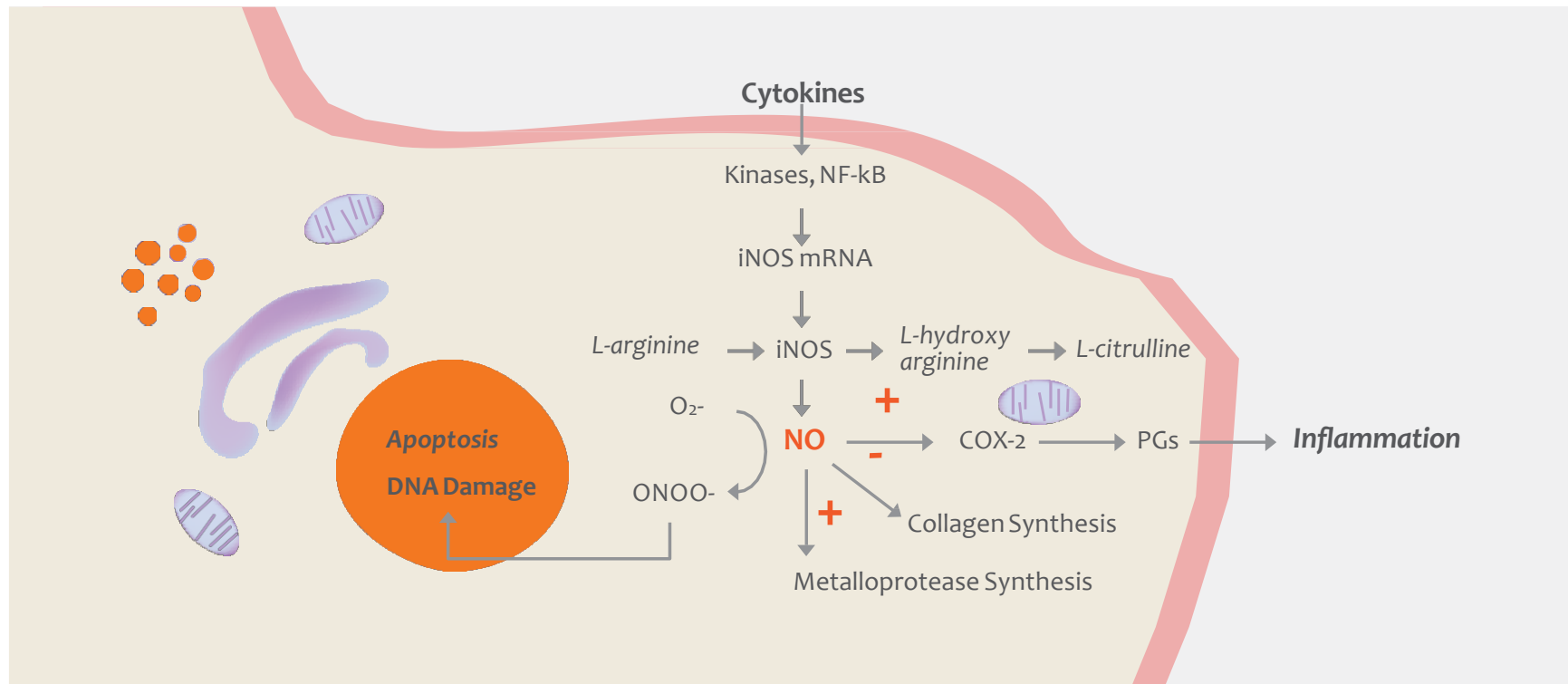
What is Inflammation?



Inflammation is part of the complex biological responses to wide range of harmful stimuli including injury, tissue necrosis, infection, and irritants. The purpose of inflammation is to destroy (or contain) the damaging agent, initiate repair processes and return the damaged tissue to useful function. The symptoms of inflammation are redness, swelling, heat, and pain, which are caused by increased blood flow into tissue. The immune system is responsible of protecting our body from the harmful stimuli and of maintaining homeostasis. Disorders of the immune system can result in autoimmune diseases, inflammatory diseases, and cancer. In an attempt to protect the body, the immune system might overreact to the stimuli, and this might cause allergy or inflammatory reactions.



Inflammation Mechanism



Reported Functions

Agrimonia Eupatoria Leaf Extract

- **INCI Name:** Agrimonia Eupatoria Leaf Extract
- **INCI Monograph ID:** 8512
- **VCRP Reported Name:**
Agrimonia Eupatoria Leaf Extract

VCRP Frequency of Use as of 02/2018 :
8

- **CAS No:** 84775-40-6
- **EINECS (I) / ELINCS (L):** 283-870-6 (I)


- **Definition:** Agrimonia Eupatoria Leaf Extract is the extract of the leaves of the agrimony, *Agrimonia eupatoria*.
- **SAFETY/REGULATORY INFORMATION**
- **Information Source(s):** UNII: 8Z160YZ4AP
- **Chemical Class(es):** [Botanical Products and Botanical Derivatives](#)
- **Reported Functions:** [Skin-Conditioning Agents - Miscellaneous](#)
- **Reported Product Categories:** [Body and Hand Preparations \(Excluding Shaving Preparations\)](#); [Face and Neck Preparations \(Excluding Shaving Preparations\)](#)
- **Ingredient Source(s):** Plant
- **Technical Name(s):**
 - Agrimony Extract
- **Trade Name Mixture(s):** [Click here to view full list of Trade Name Mixtures](#)

Source: Personal Care Products Council

Product Information



- **Product Name :** InSpire
- **INCI name :** Agrimonia Eupatoria Leaf Extract (China Compliant)
- **Dosage :** 1 – 3%
- **Formulation :** Add to the formulation
 - when the temperature is lower than 55°C.
 - Recommended to add after the cooling process.
- **Storage :** Avoid direct light or UV.
 - Keep it in a cool and dry area.



The Secrets of Caledonia

The Secrets of Caledonia (TSOC) is a supplier of natural cosmetic ingredients inspired by Scottish traditional herbal medicine. Taking advantage of Scotland's biodiversity and working in collaboration with established Scottish herbalists, we aim to provide the most effective and innovative natural ingredients at the highest quality.



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