

WHAT IS MODERAFLAM®

MODERAFLAM® 500mg capsules support joint integrity, movement, and flexibility. Features neseM® extracts That have been specifically extracted to interact directly with the IL-6 pathway modulating inflammation throughout the whole body.

MODERAFLAM® Is designed to address the problem of excessive and chronic inflammation.

Recommended Use or Purpose

Helps relieve inflammation. Helps to modify symptoms of joint pain associated with osteoarthritis of the knee.

Source of antioxidant(s)/Provides antioxidant(s) that help(s) fight/protect (cell) against/reduce (the oxidative effect of/the oxidative damage caused by/cell damage caused by) free radicals.



Recommended Oral Dose

Take one (1) to two (2) capsules, 30 minutes before food, daily or as otherwise recommended by a health care practitioner. CONTAINS SOY

NOT ACTUAL SIZE
Health Canada NPN:80108410

THE neseM® ADVANTAGE

**neseM® Naturally Elicited Specificatly Extracted Molecules*

Naturally Pure Products specialise in the research of botanical compounds and have screened many in the plant kingdom.

Naturally Pure Products has a unique knowledge relating to which phytoalexins have particular health benefits and the biologically active levels at which they were historically available.

We also have a wealth of knowledge relating to the levels of these compounds in different plants, how to optimize their presence in the plants, their biological activity, their likely bioavailability, and their application in the fields of foods, nutraceuticals, pharmaceuticals, and diagnostics.

BIOACTIVITY AND BIOAVAILABILITY - A SIGNIFICANCE WE DELIVER

Having performed the plant screening, we then further identify the possible beneficial effects of these neseM's through the validation of cell line research. For example, we have extensive evidence that certain of these neseM compounds:

- **Provide protection beyond anti-oxidants through a non-anti-oxidant pathway**
- **Provide an anti-aging effect**
- **Help modulate chronic disease**
- **Modulate the inflammatory response**

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*ModeraFlam® is a trademark of NPP Limited



ModeraFlam®

NATURALLY PUREPRODUCTS

Powered by neseM®

**neseM® Naturally Elicited Specificatly Extracted Molecules*

www.naturallypureproducts.com

WHAT IS IL-6?

IL-6 is produced inside the body in response to infections and injuries to tissues, it contributes to the body's defence through the stimulation of acute phase responses and immune reactions.

In cases where the body does not down-regulate IL-6 and acute inflammatory responses are overactive, drugs are often used to block IL-6 production in order to reduce inflammation.

IL-6 also plays a crucial role in infectious and non-infectious diseases. It is implicated in a host of chronic disease conditions associated with inflammation.

HOW DOES MODERAFLAM® HELP?

ModeramFlam comprises natural, dietary molecules that the human body has evolved to utilise. These have been specifically extracted for ModeramFlam and interact directly with the IL-6 pathway modulating inflammation throughout the whole body.

It is important to note that IL-6 blockers and moderators are not naturally produced by the body. The evolutionary pathway has been to acquire these from our diet. This in turn has become increasingly difficult to achieve due to the low levels in modern food coupled to inflammatory diets. This is why supplementation is essential in order to moderate inflammation.

WHAT IS INFLAMMATION?

Inflammation naturally occurs in the body and its actions can be both defensive and restorative. It is one of the body's first responses to injury and infection.

Inflammation has 3 main stages, acute, hyper or chronic:

Stage 1: Acute inflammation is an essential, short-acting, swiftly resolving, intense bodily response that protects it from infections and tissue injury.

Stage 2: When inflammation becomes unregulated it can become excessive ("hyper-inflammation") & in extreme cases can result in a "cytokine storm". This can result in severe, even fatal, tissue damage and organ dysfunction - as with sepsis and Covid-19.

Stage 3: It can transform into prolonged, low-intensity, often asymptomatic, "chronic" inflammation that causes a variety of serious, long-term diseases, such as diabetes, arthritis, metabolic syndrome, cancer, etc.

EVOLUTION OF INFLAMMATION

Over the last twenty or so years, science has started to develop a deeper understanding of the molecular events that drive and control inflammation.

Inflammation is a highly complex, multifaceted sequence of natural biochemical events.

During this process, hundreds of different genes are turned on or off and hundreds of different proteins are made, altered or dismembered, undergoing complex interactions - all tightly controlled and choreographed like an infernal ballet.

Many of these protein interactions result in multistep cycles of events. The proteins involved in the inflammatory response each play a specific role. Most typically their role is to invoke other pro-inflammatory or immunosuppressive proteins and to summon up the immune cells which attack and destroy the invading viruses and other pathological organisms.

One particular set of proteins central to the inflammatory and immune responses is the cytokines. Cytokines are made inside our cells but act both within our cells and in the blood and spaces between them.

