



hermes consilium



portfolio.

clinically
supported
ingredients

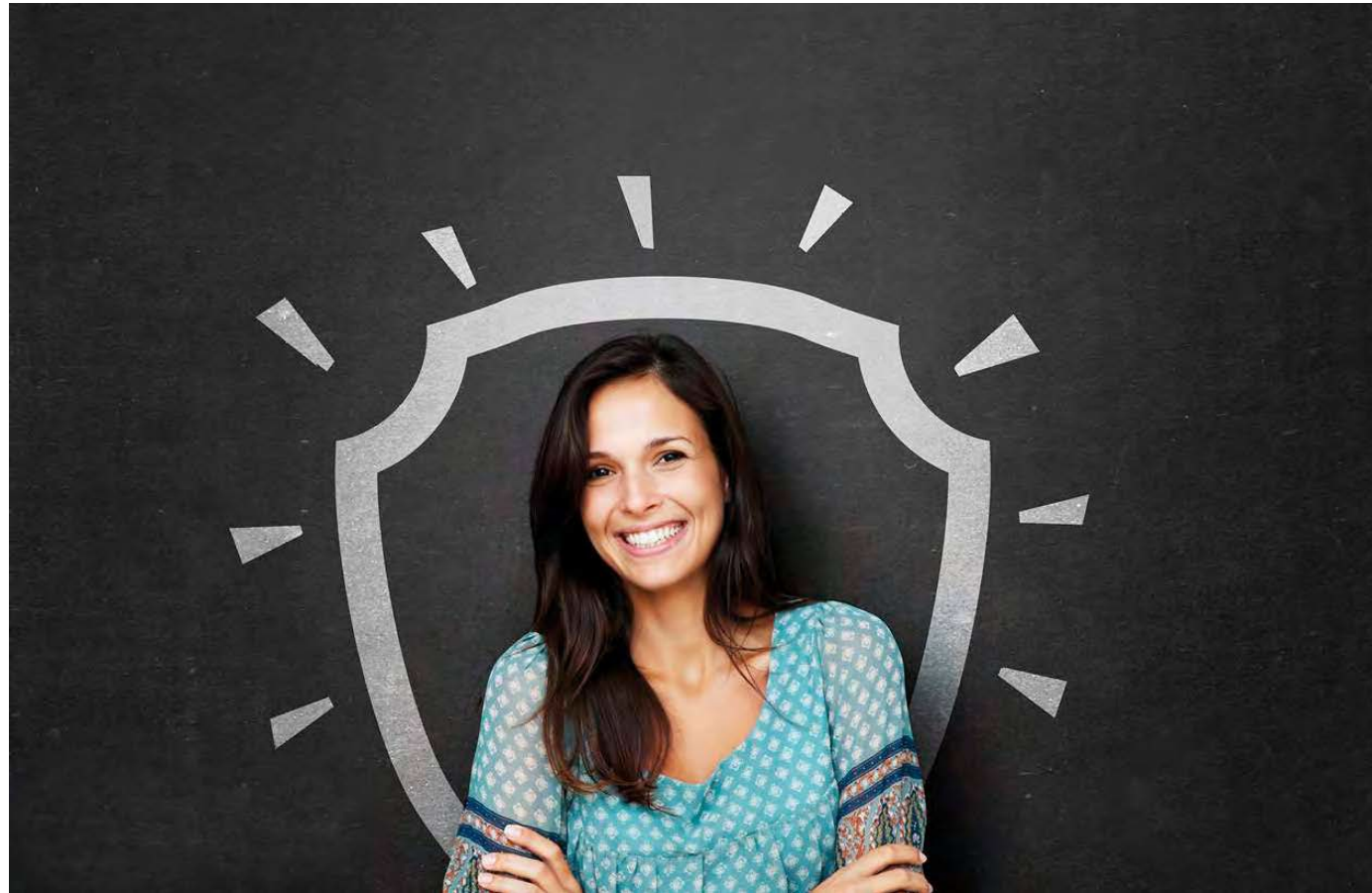


ZINCNOVA™

microcapsules

stable and tasteless source of zinc, with microencapsulated zinc oxide

- **supplier**
Lipofoods
- **product grade**
powder suitable for functional foods and dietary supplements
- **daily dose**
Recommended Daily Allowance (RDA) for zinc in the European Union is 10 mg
- **stability**
48 months shelf life



INDICATIONS

IMMUNE SUPPORT
ANTI-OXIDATIVE SUPPORT
EYE HEALTH
FERTILITY
SKIN HEALTH & BEAUTY

advantages:

- **controlled interactions** with other components in the formulation
- **no grainy texture**
- **reduced metallic taste**
- **effective release** in the stomach



mechanisms of action:

- **normal cognitive** function
- **normal fertility** and reproduction
- **maintenance** of normal bones, hair, nails, and skin
- **maintenance of normal testosterone levels** in the blood
- **maintenance of normal vision**
- **normal function** of the immune system
- **protection** of cells from oxidative stress
- **has a role** in the process of cell division

LifeinU™ *Bacillus subtilis* CU1 is a highly stable patented strain for probiotic immune system support

- **supplier**
Gnosis by Lesaffre
- **product grade**
fine powder suitable for several matrices as functional foods or food supplements
- **daily dose**
20 mg/day (2×10^9 CFU/day)
- **stability**
24 months at 40°C - 75%RH
- **certificates**
Halal, Kosher, non-GMO, lactose & gluten-free



INDICATIONS
IMMUNE SUPPORT
GUT HEALTH



advantages:

- **safe and natural solution** to protect from common respiratory and gastrointestinal infections
- **highly stable** probiotic
- **can be used alone or in combination** with other ingredients in dietary supplements

mechanisms of action:

- **supports mucosal immune responses** by increasing immunoglobulin sIgA levels in the intestine and saliva
- **sIgA are the most abundant antibodies of the immune system** and represent the first line defense against pathogens
- **LifeinU™ BSCU1 showed 45% reduction** in the frequency of upper respiratory tract infections



clinical studies:

- Lefevre et al., 2015: Probiotic strain *Bacillus subtilis* CU1 stimulates immune system of elderly during common infectious disease period: a randomized, double-blind placebo-controlled study
- Lefevre et al., 2017: Safety assessment of *Bacillus subtilis* CU1 for use as a probiotic in humans

pre-clinical study:

- Urdaci et al., 2018: Antidiarrheal action of *Bacillus subtilis* CNCM I-2745 and *Lactobacillus plantarum* CNCM I-4547 in mice



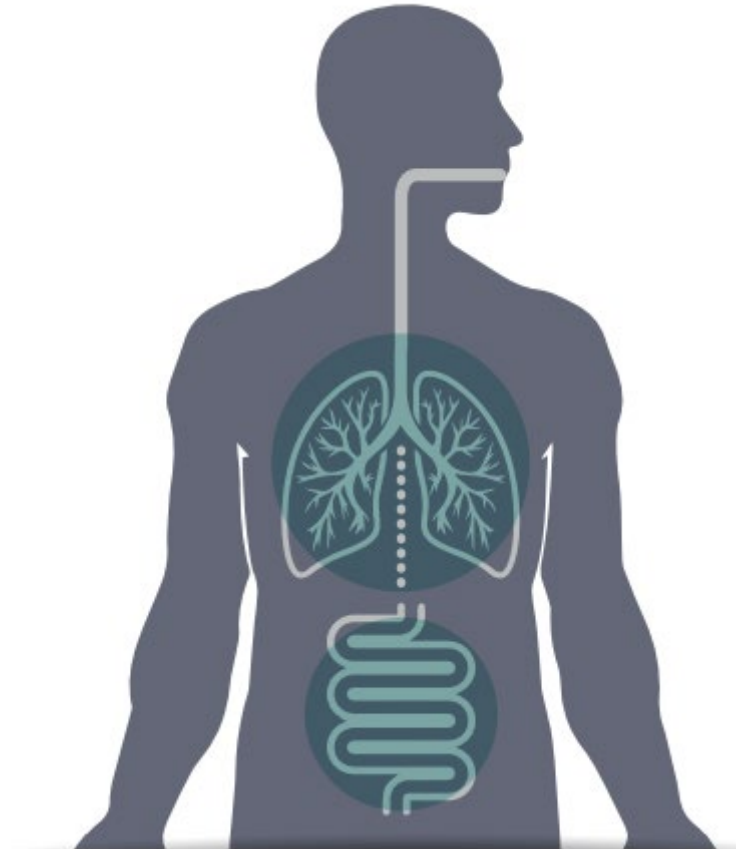
product examples



LifeinU™

LifeinU™ *L. rhamnosus* GG 100 is the best-known probiotic strain of *Lactobacillus rhamnosus* GG with proven beneficial effects on digestive health

- **supplier**
Gnosis by Lesaffree
- **product grade**
fine powder
- **daily dose**
10-200 mg (1×10^9 - 2×10^{10} CFU/day)
- **stability**
24 months
- **certificates**
Kosher, non-GMO, lactose & gluten free



INDICATIONS
GUT HEALTH
DIARRHEA MANAGEMENT
IMMUNE SUPPORT



advantages:

- *Lactobacillus rhamnosus* GG is the most studied probiotic strain worldwide
- **proven beneficial effects** on digestive and immune health
- **safe for the whole family** including infants
- **100% French production**

mechanisms of action:

- **helps restore and maintain a balanced gastrointestinal flora**, protecting the gut from antibiotic-associated diarrhea, and preventing acute diarrhea
- **boosts the body's natural defenses** helping to reduce the occurrence of common colds
- **speeds up recovery time** from common cold



product examples

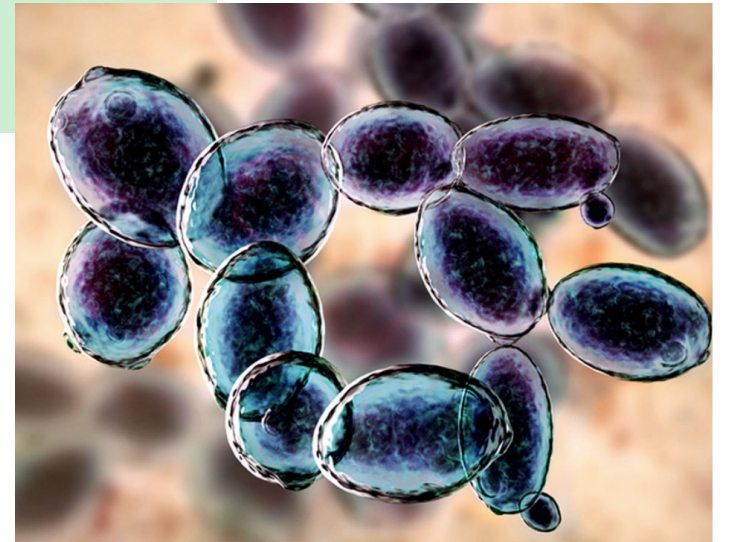


Lynside® Forte

a range of inactive dried yeast (*Saccharomyces cerevisiae*), enriched with vitamins (B complex) or minerals like selenium, zinc, chromium

Lynside® Forte Se+ 2000

- organically bound selenium (Se) – Se is incorporated during fermentation process directly into the yeast to be transformed into its organic form: selenomethionine
- 2-times higher bioavailability than inorganic selenium
- provides 2,000-2,400 µg/g selenium
- **indications: beauty, immunity, thyroid support, anti-aging, fertility, women's health**





Lynside® Forte Zn

- nutritional yeast fortified with zinc (Zn)
- high bioavailability compared to other common zinc sources
- in addition to zinc, this fortified yeast also provides vitamins, proteins, minerals, fibers, β -glucans, and more nutrients that contribute to overall wellness
- provides 100,000-120,000 $\mu\text{g/g}$ zinc
- **indications: immunity, beauty, fertility, eye health, antioxidative support**

Lynside® Forte Cr 2000

- fortified yeast with bioavailable chromium (Cr)
- the product provides nutritional yeast content (high quality proteins, vitamins and minerals, dietary fibres) and 2,000-2,400 $\mu\text{g/g}$ chromium
- **indications: blood sugar management, metabolic support**

Andrographis paniculata extract, standardized and clinically tested, offering a natural and comprehensive support to manage symptoms of the common cold

- **supplier**
Natural Remedies
- **product grade**
powder (“king of bitter”) – most suitable for tablets and capsules
- **daily dose**
200-400 mg
- **stability**
24 months shelf life
- **certificates**
non-GMO Project verified, Kosher, Halal, 100% Vegan



INDICATIONS

IMMUNE SUPPORT
ANTI-INFLAMMATORY SUPPORT
ANTI-OXIDATIVE SUPPORT

advantages:

- **fast-acting** *Andrographis paniculata*, suitable for acute and preventive usage
- **7 identified** different bioactives
- **clinically supported**
2 clinical studies and 3 pre-clinical studies

mechanisms of action:

- **reduces symptoms of common cold**
cough, fever, headache, expectoration, sore throat, fatigue, nasal discharge
- **inhibits the release of inflammatory mediators**
supports healthy inflammatory balance
- **immuno-stimulatory activity**
increased INF gamma, IL-4, CD4+ and CD3+
- **increased phagocytes**



clinical studies:

- Saxena et al, 2010: A randomized double-blind placebo controlled clinical evaluation of extract of *Andrographis paniculata* (KalmCold™) in patients with uncomplicated upper respiratory tract infection (effective in reducing symptoms of URTI)
- Rajanna et al., 2021: Immunomodulatory effects of *Andrographis paniculata* extract in healthy adults - An open-label study

pre-clinical studies:

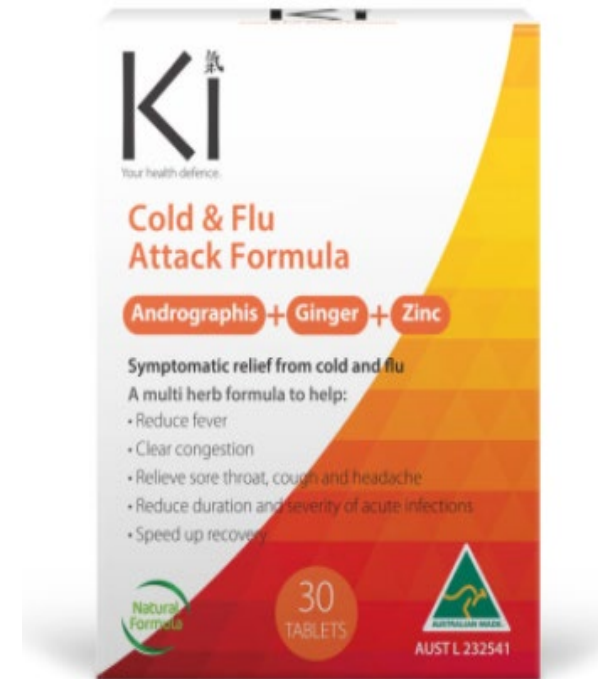
- Chandrasekaran et al., 2010: Effect of an extract of *Andrographis paniculata* leaves on inflammatory and allergic mediators in vitro (KalmCold™ attenuates pro-inflammatory and allergic mediators)
- Chandrasekaran, et al., 2011: In vitro modulation of LPS/calcimycin induced inflammatory and allergic mediators by pure compounds of *Andrographis paniculata* (King of bitters) extract (some of its phytoconstituents exhibit potent anti-inflammatory/anti-allergic effects)

toxicological study:

- Chandrasekaran et al., 2009: Evaluation of the genotoxic potential and acute oral toxicity of standardized extract of *Andrographis paniculata* (KalmCold™) (no treatment-related toxic effects in rats)



product examples



*AP-Bio - different name for the same ingredient in different territories



**branded, high potency extract of ginger
for digestion and immunity support**

- **supplier**
OmniActive
- **product grade**
powder or paste most suitable for capsules,
softgels, etc. (very strong taste)
- **daily dose**
20- 250 mg (depends on the product grade
and indication)
- **stability**
24 months shelf life
- **certificates**
Vegetarian, Vegan, Kosher, Halal



INDICATIONS
ANTI-INFLAMMATORY SUPPORT
GUT HEALTH, DIGESTION
IMMUNE SUPPORT
JOINT HEALTH



advantages:

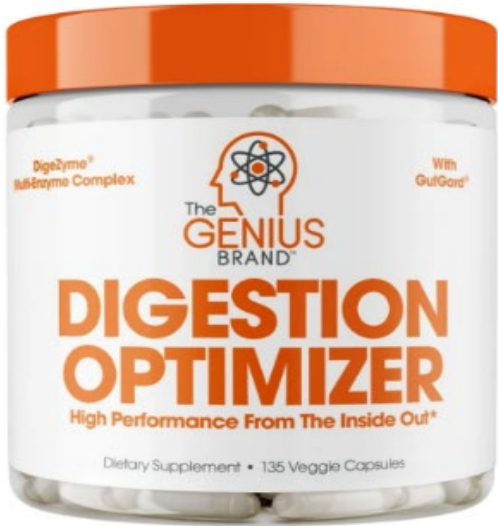
- **high potency ginger extract in a small dose**
clinically relevant dose of key bioactives in one small pill compared to 1,000 mg of ginger root powder
- **solvent free extraction**
- **UltraSOL™ platform** provides application versatility
- **batch-to-batch consistency**

mechanisms of action:

- **foundational immune support**
neutralizes free radicals, modulates inflammation, and limits microbial growth
- **antioxidant and anti-inflammatory action**
- **ginger helps soothe upset stomach**, motion sickness and nausea
- **supports proper gastrointestinal function**



product examples



Proferrin

milk-derived protein, recognized for its role in immunity, digestive health and iron metabolism, suitable for all age groups

- **supplier**
Ingredia Nutritional
- **product grade**
powder perfectly adapted to both dietary supplements (tablets, capsules, softgels, gummies) and functional foods (bars, dairies, beverages)
- **daily dose**
250-1000 mg
- **stability**
24 months of shelf life
- **certificates**
Halal



INDICATIONS

IMMUNE SUPPORT
GUT HEALTH
ANTI-INFLAMMATORY SUPPORT
ANTI- OXIDATIVE SUPPORT

advantages:

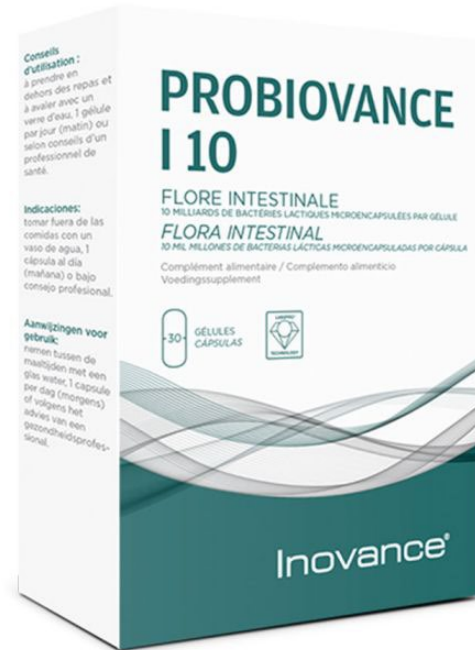
- **natural ingredient**, found also in human secretions like saliva, tears and breast milk
- **suitable for the most sensitive target groups** such as infants with few other available options for immune and gut support
- **the highest purity on the market (>95%)**
- **native lactoferrin** as found in fresh cow's milk
- **gentle processing to preserve structure** and biological activity
- **high bioactivity**, with iron binding ability
- **scientifically supported**

mechanisms of action:

- **in vitro immuno-stimulatory effect**
stimulates lymphocytes (immune cells) proliferation to improve adaptive immune response
- **in vitro anti-inflammatory effect**
significantly reduces the release of a pro-inflammatory marker TNFalpha
- **in vitro action against viral infection**
inhibition of virus entry into the cell and replication
- **high bioactivity**, with iron binding ability
- **reduces** pathogenic bacterial colonies



product examples





a bovine colostrum in spray-dried granulated powder with a standardized content of 30% immunoglobulins G (IgG). Widely acknowledged for immune system enhancement, gut health promotion, and sports performance improvement.

- **supplier**
Ingredia Nutritional
- **product grade**
powder form suitable for dietary supplements (tablets, capsules, softgels, gums), functional foods and cosmetics
- **daily dose**
for immune and gut health 1 g/day, for sports performance 10 g/day
- **stability**
36 months when stored in a cool and dry place




INDICATIONS
IMMUNE SUPPORT
GUT HEALTH
SPORTS NUTRITION

advantages:

- **natural ingredient** similar to human colostrum
- **suitable for all ages**, including infants
- **special processing step** is used to preserve bioactivity
- **naturally contains immuno-modulatory molecules** like antibodies (IgA, IgG, IgM), lactoferrin, lysozyme, growth factors and proline rich polypeptide (PRP) – highest on the market, along with other nutrients

mechanisms of action:

- **rich in immuno-stimulating factors**, specifically type G immunoglobulins (IgG)
 - **increases immune cells** and secretion of cytokines
 - **promotes regeneration of the digestive epithelium** and resistance to digestive infections
 - **increases physical performance**, stimulates optimal muscle construction and decreases recovery time
- 



patented, award-winning, natural powder from 100% New Zealand-grown gold kiwifruit (*Actinidia chinensis* var. *chinensis*) with prebiotic properties supporting gut microbiome balance

- **supplier**
Anagenix
- **product grade**
powder suitable for capsules, tablets, powders, sachets, bulk powder blends, gummies
- **daily dose**
600 mg
- **stability**
30 months shelf life
- **certificates**
non-GMO Project verified, Kosher, Halal, Vegan



INDICATIONS
GUT HEALTH
PREBIOTIC SUPPORT
MICROBIOME BALANCE
IMMUNE SUPPORT

mechanisms of action:

- **targeted prebiotic action**
- **balances microbiome** by restoring intestinal bacterium called *Faecalibacterium prausnitzii* (F.prau) with numerous benefits for human health.
- **rich in polyphenols and vitamins**
- **supports mucosal immunity in vitro**



advantages:

- **clinically tested ingredient** for digestive health
- **FODMAP-friendly**
- **multiple format applications**
- **small dosage**
- **proprietary processing** retains high levels of key nutrients and bioactives
- **contains polyphenols**, vitamins C, E and folate, some fibers
- **free from preservatives** or added sugars, gluten-free
- **patented**
- **clinically supported combination** with Actazin®

clinical studies:

- **Ansell et al., 2015: Kiwifruit-derived supplements increase stool frequency in healthy adults: a randomized, double-blind, placebo-controlled study**
 - significant increase in mean daily bowel movements, stool form was not affected
- **Blatchford et al., 2017: Consumption of kiwifruit capsules increases *Faecalibacterium prausnitzii* abundance in functionally constipated individuals: a randomised controlled human trial**
 - *F.prau* is a beneficial microorganism that accounts for >5 % of the total colonic microbiome and produces butyrate, which is the energy source for intestinal epithelial cells and has anti-inflammatory, immune-balancing and gut barrier-improving effects within the intestine

pre-clinical studies:

- **Duysburgh et al., 2019: A synbiotic concept containing spore-forming *Bacillus* strains and a prebiotic fiber blend consistently enhanced metabolic activity by modulation of the gut microbiome in vitro**
 - Fructooligosaccharides (FOS) from kiwifruit in combination with other prebiotics influenced microbial activity and composition in vitro, and enhanced butyrate production
- **internal study: Effect of Livaux on mucosal immune health efficacy in vitro**
 - Livaux® activated $\gamma\delta$ -T cells and increased levels of antimicrobial peptide β -defensin 2
- **internal study: Probiotic activity of Livaux in vitro**
 - Supports growth of probiotic strains (bifidobacteria and lactobacillus) and butyrate production



product examples





proprietary blend of New Zealand boysenberries and apples – immune enhancing supplement to prevent or reduce lung inflammation and lung damage resulting from asthma, poor air quality, tobacco smoke, respiratory viruses, or environmental triggers

- **supplier**
Anagenix
- **product grade**
powder suitable for capsules, sachet, tablet
- **daily dose**
powder 2,1 g
- **stability**
24 months shelf life, BerriQi powder is hygroscopic
- **certificates**
self-determined GRAS, 100% non-GMO fruit, no solvents used in manufacture, Halal



INDICATIONS

IMMUNE SUPPORT
LUNG HEALTH
ANTI-INFLAMMATORY SUPPORT

advantages:

- **patent-pending** formulation
- **synergistic effect** of the two components
- **high levels of anti-oxidative anthocyanins** and anti-inflammatory procyanidins
- **scientifically backed ingredient for stressed lungs support**
- **short term effect**
reduces airway inflammation after just 1-2 doses, to make lungs more flexible and breathing easier
- **suitable for long-term use**

mechanisms of action:

- **reduces inflammation in the lung**
reduces the number of infiltrating immune cells into the lung after acute and chronic inflammation and prevents the production of inflammatory cytokines and other molecules mediated by NFκB (pro-inflammatory)
- **reduces mucus over-production**
- **reduces collagen deposition in the lung**
supports tissue repair
- **promotes anti-inflammatory environment**



pre-clinical studies:

- Shaw et al., 2016: Boysenberry ingestion supports fibrolytic macrophages with the capacity to ameliorate chronic lung remodeling
- Shaw et al., 2020: Boysenberry and apple juice concentrate reduced acute lung inflammation and increased M2 macrophage-associated cytokines in an acute mouse model of allergic airways disease



product examples





hermes consilium

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