Euphorbium
Sinus Relief

Proven safe and effective for:

- *Rhinitis of various origins*
- *Sinusitis*
- *Chronic nasal discharge*
- *Dry and inflamed nasal membranes*
- *Cold and flu nasal symptoms*
- *Nasal congestion*

-Heel

Euphorbium Sinus Relief

Pharmacological aspects

Anti-inflammatory properties:

An in-vitro study on whole blood cell cultures has demonstrated that each of the ingredients in Euphorbium Sinus Relief influences, in varying degrees, the release of important inflammatory mediators from monocytes / macrophages and lymphocytes (IFN, IL-10, TNF-gamma & alpha).[1]

Antiviral properties:

Euphorbium Sinus Relief also showed direct virustatic effects in in-vitro studies using human cell cultures. When compared to normal saline solution, dilutions of Euphorbium Sinus Relief were found to inhibit four different types of pathogens causing various viral infections (RSV, HSV-1, Influenza A virus and HRV).[2,3]

Pharmacological description

Euphorbium Sinus Relief improves damaged nasal mucosal tissue and nasal congestion associated with rhinitis sicca and rhinitis medicamentosa.

Euphorbium Sinus Relief has an excellent tolerability; no adverse reactions were reported worldwide for millions of bottles sold annually.

Euphorbium Sinus Relief creates no rebound effect, no tachyphylaxis nor any burning sensation.

Euphorbium Sinus Relief is without any known side effects, even with long-term use.

Euphorbium Sinus Relief has a metered dose pump spray without propellant and an isotonic sodium chloride solution base that prevents desiccation and promotes cleansing of the nasal mucosa.

Euphorbium Sinus Relief is suitable for children and infants as well as pregnant and nursing women.

Ingredients:

Argentum nitricum	Pharyngitis, laryngitis, hoarseness, conjunctivitis, headache
Euphorbium officinarum	Mucosal catarrh of the upper part of the respiratory tract, e.g. rhinitis and sinusitis; catarrh of the ear passages
Hepar sulphuris calcareum	Tendency towards suppurations, particularly on the skin and lymph glands; tonsillar abscesses
Luffa operculata	Allergic and vasomotor rhinitis, sinusitis, hay fever
Mercurius iodatus ruber	Acute nasal catarrh, catarrh of the sinuses; suppurations
Mucosa nasalis suis	Sinusitis chronica, polysinusitis, ozena, nasal polypi, affections of the sinuses
Pulsatilla	Migrating disorders, remedy for affections of the mucosa, thick, mild and greenish yellow discharges; conjunctivitis, rhinitis
Sinusitisinum	Acute and chronic suppurations of the sinuses; lymphatism; ozena; hay fever

Over 30 years of therapeutic use and sold in more than 50 countries

References

1) Schmolz M, Metelmann H. Modulation of Cytokine Synthesis in Human Leukocytes by Individual Components of a Combination Homeopathic Nasal Spray. Biomedical Therapy. 1999 (2): 61-63, 75.
2) Metelmann H, Glatthaar-Saalmüller B. Antiviral Action of a Homeopathic Medication. Biomedical Therapy. 2000 (1): 160-164.
3) Glatthaar-Saalmüller B, Fallier-Becker P. Antiviral Action of Euphorbium Compositum and its components. Research & Complementary and Classical Natural Medicine 2001, Vol. 8 (4): 207-212.
4) Connert W D, Maiwald J. The Therapy of Rhinopathy as Associated with a Previous Abuse of Nasal Spray and with Vasomotor Influences, Biomedical Therapy. 1991 (4): 182-186, 192.
5)Weiser M, Clasen B P E: Controlled Double-blind Study of a Homeopathic Sinusitis Medication. BiomedicalTherapy. 1995 (1): 4-11.
6) Metelmann H, Glatthaar-Saalmüller B. Antiviral Action of a Homeopathic Medication. Biomedical Therapy; 2000

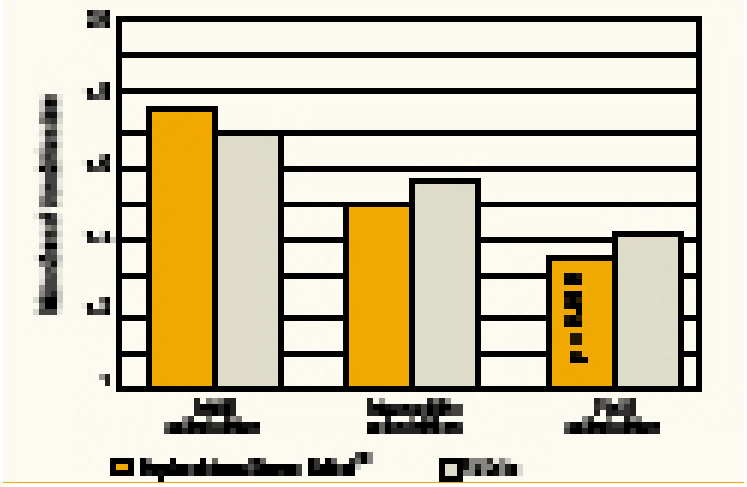
Clinically Tested

Clinically tested for efficacy

The effectiveness of Euphorbium Sinus Relief has been systematically investigated for therapy of chronic medicinal and vasomotor rhinopathies.

A total of 26 patients with vasomotor rhinopathy and 26 patients with chronic medicinal rhinopathy whose nasal breathing had been impaired during the preceding six months were treated with Euphorbium Sinus Relief.

To avoid seasonal allergies, treatment was carried out during six winter weeks by spraying the preparation into each nostril daily. Rhinomanometric measurement of airflow resistance during nasal breathing was taken as an objective indicator for change in the obstruction state. In both patient groups, nasal breathing resistance decreased significantly.[4]



The efficacy of Euphorbium Sinus Relief was measured against a normal saline solution for the treatment of chronic sinusitis (duration of treatment: 5 months) in a randomized, placebo-controlled, double-blind study.[5] The results of three criteria categories (subjective symptoms, anterior rhinoscopy and ultrasound examinations of the sinus) were summarized to a cumulative score (from 1 = no symptoms/findings in all categories to 2.6 = worst possible symptoms/maximum findings in all categories).

This study demonstrated that Euphorbium Sinus Relief was significantly superior to placebo with regards to therapeutic efficacy.[5]

A comparison of treatments (Phytogens/ Allopathic/Euphorbium) for acute and chronic forms of rhinitis and sinusitis

Example of therapeutic approaches	Adverse side effects and restrictions in use
Allopathic Vasoconstrictors and Glucocorticoids	"Rebound-effect", burning sensation and damage to the nasal mucous membranes (chronic congestion) Limited duration of use, not used for dry rhinitis (rhinitis sicca)
Phytotherapeutic preparations	Possible symptoms of irritation in the mucous membranes, increased bronchospasms
Euphorbium Sinus Relief	none known

Antiviral Properties

In plaque-reduction assays, the effects of Euphorbium Sinus Relief and 3 antiviral drugs - Acyclovir®, Ribavirin® and Amantadine® - (as positive controls) upon typical pathogens causing respiratory tract viral infections were measured. **Results showed that dilutions of Euphorbium Sinus Relief inhibited the infectivity of Respiratory Syncytial Virus (RSV) and HSV1 strains by 35% and 30%, respectively, in comparison with the untreated controls, while the effect on Influenza A virus (Inf A) was less pronounced (15%).**[6]

Other plaque-reduction assays were conducted to further investigate the antiviral properties of Euphorbium Sinus Relief and its individual components upon the following viruses: Inf A, RSV, Human Rhinovirus (HRV) and Herpes Simplex Virus Type 1 (HSV1).

A 1:8 dilution* of Euphorbium Sinus Relief showed a pronounced antiviral effect (approximately 40% relative inhibition) upon RSV and HSV1, while the effect upon Influenza A and HRV was less pronounced.

Furthermore, the diluted* potencies of the ingredients Euphorbium, Pulsatilla and Luffa were shown to have antiviral effects to a different extent depending on the pathogens tested. The ingredients Euphorbium officinarum and Pulsatilla showed the strongest inhibition upon RSV (44% and 30% respectively).