



**Euphorbium comp.<sup>®</sup>**

**Nasal Spray / Euphorbium compositum<sup>®</sup> SN**

**An effective alternative  
to conventional nasal sprays**

**Effective treatment for:**

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



**-Heel**

# Euphorbium comp.

Nasal Spray / Euphorbium compositum SN

Over 45 years of worldwide  
therapeutic use by:

- ENT Doctors
- Pediatricians
- General Practitioners
- Homeopaths
- Naturopaths

## Pharmacological aspects

### Anti-inflammatory properties:

An *in vitro* study on whole blood cell cultures has demonstrated that each of the ingredients in Euphorbium comp. nasal spray influence, in varying degrees, the release of important inflammatory mediators from monocytes / macrophages and lymphocytes (IFN- $\gamma$ , IL-10, TNF- $\alpha$ )<sup>1</sup>.

### Antiviral properties:

Euphorbium comp. nasal spray also showed direct virustatic effects in *in vitro* studies using human cell cultures. When compared to normal saline solution, dilutions of Euphorbium comp. nasal spray were found to inhibit four different types of pathogens causing various viral infections (RSV, HSV-1, Influenza A virus and HRV)<sup>2-3</sup>.

## Pharmacological description

**Euphorbium comp.** improves damaged nasal mucosa and nasal congestion associated with rhinitis sicca and rhinitis medicamentosa.

**Euphorbium comp.** has an excellent tolerability.

**Euphorbium comp.** creates no rebound effect, no tachyphylaxis nor any burning sensation.

**Euphorbium comp.** is perfectly suited for long-term use.

**Euphorbium comp.** 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 comp.** is suitable for the entire family.

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

### References

- <sup>1</sup> 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.
- <sup>2</sup> Metelmann H, Glatthaar-Saalmüller B. Antiviral Action of a Homeopathic Medication. *Biomedical Therapy* 2000 (1): 160-164.
- <sup>3</sup> 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.



Euphorbium comp.®

# A comparison of treatments (Phytogens/Allopathics/Euphorbium comp.) 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 comp. Nasal Spray Efficacy clinically tested

The effectiveness of Euphorbium comp. nasal spray has been systematically investigated for therapy of chronic medicinal and vasomotor rhinopathies.

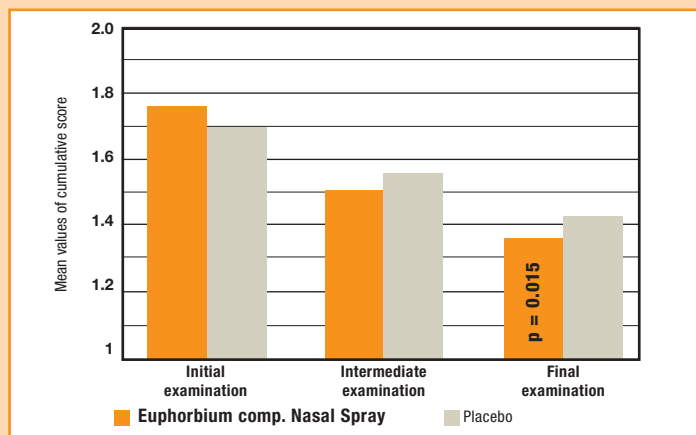
A total of 26 patients with vasomotor rhinopathy and 26 patients with chronic medicinal rhinopathy whose nasal breathing had been impaired during the preceding six months were treated with Euphorbium comp. nasal spray. To avoid seasonal allergies, treatment was carried out during six winter weeks by 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<sup>4</sup>.

The efficacy of Euphorbium comp. nasal spray 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<sup>5</sup>.

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).

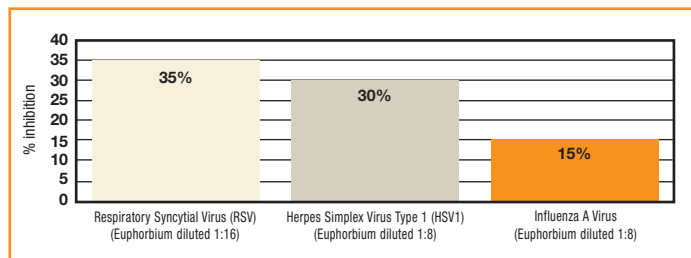
This study demonstrated that Euphorbium comp. nasal spray was significantly superior to placebo with regards to therapeutic efficacy.

Of further interest, is yet another recently completed study that examined Euphorbium comp. against Xylometazoline, in which the former proved to be just as effective as its conventional counterpart, but with little or no side effects.<sup>6</sup>



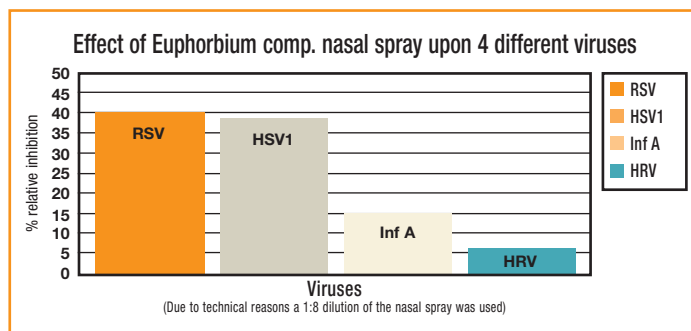
## Antiviral properties

In plaque-reduction assays, the effects of Euphorbium comp. and 3 antiviral drugs - Acyclovir<sup>®</sup>, Ribavirin<sup>®</sup> and Amantadine<sup>®</sup> - (as positive controls) upon typical pathogens causing respiratory tract viral infections were measured. Results showed that dilutions of Euphorbium comp. inhibited the infectivity of RSV and HSV1 strains by 35% and 30%, respectively, in comparison with the untreated controls, while the effect on Inf A virus was less pronounced (15%)<sup>7</sup>.

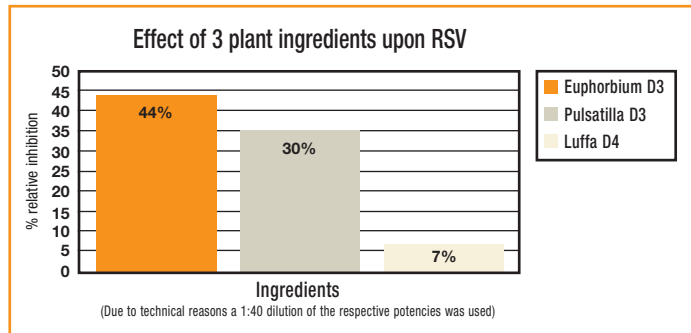


Other plaque-reduction assays were conducted to further investigate the antiviral properties of Euphorbium comp. nasal spray and its individual components upon the following viruses: Influenza A virus (Inf A), Respiratory Syncytial Virus (RSV), Human Rhinovirus (HRV) and Herpes Simplex Virus Type 1 (HSV1).

A 1:8 dilution\* of Euphorbium comp. nasal spray showed a pronounced antiviral effect (approximately 40% relative inhibition) upon RSV and HSV1, while the effect upon Inf A and HRV was less pronounced.



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



\* Dilutions were used for technical reasons.

### References

- 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.
- Weiser M, Clasen B P E: Controlled Double-blind Study of a Homeopathic Sinusitis Medication. *Biomedical Therapy* 1995 (1): 4-11
- Ammer schläger H, Klein P, Xxeiser M *et al.* Treatment of Inflammatory Diseases of the Upper Respiratory Tract - Comparison of a Homeopathic Combination Preparation with Xylometazoline. *Forsch Komplementärmed Klass Naurheidkd* 2005;12:24-31.
- Metelmann H, Glatthaar-Saalmüller B. Antiviral Action of a Homeopathic Medication. *Biomedical Therapy* 2000 (1): 160-164.



# Euphorbium comp.

## Nasal Spray / Euphorbium compositum SN

### Euphorbium comp. / Euphorbium compositum SN

Oral Drops / DIN 02227703

Nasal Spray / DIN 01978721

#### Indications:

**Drops:** chronic sinusitis (maxillary sinus, frontal sinus, ethmoidal sinus, and sphenoid sinus); catarrh of the ear passages, dropsy of the middle ear.

**Nasal spray:** rhinitis of various origins (viral, bacterial, allergic); rhinitis sicca, rhinitis hyperplastica, atrophicans and medicamentosa for the auxiliary treatment of ozena; chronic sinusitis; to facilitate nasal respiration in hay fever.

#### Contraindications:

**Nasal spray:** hypersensitivity to benzalkonium chloride, may cause bronchospasms.

#### Dosage:

**Drops:** adults, in general, 10 drops 3 times daily. In acute cases, 10 drops every 30 to 60 minutes, up to 12 times a day.

**Nasal spray:** adults, in general, spray once or twice into each nostril 3-5 times daily. Children 2 to 12 years of age, spray once in each nostril 3 times daily.

#### Package sizes:

**Drops:** drop bottles containing 30 ml.

**Nasal spray:** metered-dose pump spray without propellant containing 20 ml.

## Rhinitis and sinusitis protocol

### Euphorbium comp. Nasal Spray

Presentation	Metered dose pump spray without propellant (20 ml)
Recommended use	Suitable for rhinitis and sinusitis
Recommended dosage	Long-term therapy: <b>Adults:</b> spray once or twice into each nostril, 3-5 times daily <b>Children 2 to 12 years of age:</b> spray once into each nostril, 3 times daily

### Euphorbium compositum SN Oral drops

Presentation	Drop bottle (30 ml)
Recommended use	Suitable for common cold and flu
Recommended dosage	Long-term therapy: <b>Adults:</b> generally 10 drops, 3 times daily Acute therapy: <b>Adults:</b> initially 10 drops every 30 to 60 minutes up to 12 times a day

## Why should you use/recommend Euphorbium comp. Nasal Spray & Euphorbium compositum SN Oral Drops?

- ↳ An effective anti-inflammatory and antiviral nasal spray
- ↳ Broad range of effectiveness (for acute and chronic forms of rhinitis and sinusitis)
- ↳ For the treatment of mucous membrane damages (rhinitis sicca, hyperplastica, medicamentosa and atrophicans)
- ↳ Isotonic sodium chloride solution prevents desiccation of the mucous membranes and tends to reduce swelling
- ↳ Achievement of free nasal breathing
- ↳ Prevention of evolution towards chronicity
- ↳ Well-tolerated and without adverse effects:
  - no reactive hyperaemia ("rebound effect")
  - no tachyphylaxis
  - non addictive
  - no sedative properties
  - no burning sensation in the mucous membranes
  - compatible with other medications
- ↳ Suitable for long-term treatment
- ↳ Effective for the entire family
- ↳ Available without a prescription
- ↳ Does not block the body's natural regulation capacities

Do not keep longer than 1 month after opening

## -Heel

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