

**1. NAME OF THE MEDICINAL PRODUCT**

Pollstimol®  
 Hard capsules  
 20 mg dry extract of pollen  
 from rye, timothy and maize  
 3 mg soft extract of pollen  
 from rye, timothy and maize

**2. QUALITATIVE AND QUANTITATIVE COMPOSITION**

One hard capsules contains:  
 20 mg dry extract of dried crude pollen  
 from *Secale cereale* L. (rye), *Phleum  
 pratense* L. (timothy) and *Zea mays* L.  
 (maize) in the ratio 30 : 1.5 : 1, DER<sub>genuine</sub>:  
 (2.7–7.5) : 1.

Extraction solvent: water : acetone : sodi-  
 um laurilsulphate (96 : 4 : 0.022 m/m/m).

3 mg soft extract of dried crude pollen from  
*Secale cereale* L. (rye), *Phleum pratense* L.  
 (timothy) and *Zea mays* L. (maize) in the ra-  
 tio 30 : 1.5 : 1, DER<sub>genuine</sub>: (12–28) : 1.

Extraction solvent: water : acetone : sodi-  
 um laurilsulphate (96 : 4 : 0.022 m/m/m)

Excipient with known effect

Lactose

Pollstimol contains less than 1 mmol  
 (23 mg) natrium per dosing unit.

For the full list of excipients, see section 6.1.

**3. PHARMACEUTICAL FORM**

Hard capsules for oral use  
 monochrome, beige-yellow

**4. CLINICAL PARTICULAR****4.1 Therapeutic indications**

- Micturition disorders in the presence of  
 Alken stage I–II or Vahlensieck stage  
 II–III benign prostatic hyperplasia (BPH)
- Chronic non-bacterial prostatitis

**4.2 Posology and method of administration**Micturition disorders

The recommended dose is:  
 2 hard capsules 2 to 3 times per day  
 Daily dose: 4 to 6 hard capsules

Chronic non-bacterial prostatitis

The recommended dose is:  
 2 hard capsules 3 times per day  
 Daily dose: 6 hard capsules

The hard capsules should be taken with  
 sufficient liquid (preferably 1 glass of drink-  
 ing water) at mealtimes.

The duration of administration is not time-lim-  
 ited and should be not less than 3 months.

**4.3 Contraindications**

Hypersensitivity to grass pollen or to any of  
 the excipients of Pollstimol.

**4.4 Special warnings and precautions for use**

This medicinal product improves the symp-  
 toms of an enlarged prostate gland only  
 without correcting the enlargement. A doc-  
 tor should therefore be consulted at regular  
 intervals. Medical advice should be sought  
 particularly if blood appears in the urine or  
 acute urinary retention occurs.

Pollstimol may not be sufficiently effective  
 in the presence of marked outflow obstruc-  
 tion, e. g. caused by urethral stricture, blad-  
 der-neck sclerosis or prostatic calcifica-  
 tions.

Therapy with an extract mixture of gras pol-  
 len could mask an increase in concentra-  
 tion of serum-PSA. This should be taken  
 into consideration in follow-up controls for  
 PSA in connection with the diagnostic of  
 cancer.

Pollstimol contains lactose, amongst other  
 ingredients. Patients with rare hereditary  
 problems of galactose intolerance, a total  
 Lapp lactase deficiency or glucose-galac-  
 tose malabsorption should not take this  
 medicine.

Children and Adolescents

Children and adolescents should not take  
 Pollstimol.

**4.5 Interaction with other medicinal products and other forms of interaction**

None known.

**4.6 Fertility, pregnancy and lactation**

Pollstimol should not be administered to  
 women, especially not to pregnant and  
 breastfeeding ones.

**4.7 Effects on ability to drive and use machines**

Pollstimol has no influence on the ability to  
 drive and use machines.

**4.8 Undesirable effects**

Uncommon ( $\geq 1/1,000$  to  $< 1/100$ ): mild  
 gastrointestinal symptoms  
 Very rare ( $< 1/10,000$ ): allergic skin reactions

In the package leaflet, the patient is urged  
 to stop taking the medicinal product and  
 consult a doctor if undesirable effects occur.

Reporting of suspected adverse reactions

Reporting suspected adverse reactions af-  
 ter authorisation of the medicinal product is  
 important. It allows continued monitoring of  
 the benefit/risk balance of the medicinal  
 product. Healthcare professionals are asked  
 to report any suspected adverse reactions via  
 Bundesinstitut für Arzneimittel und Medizin-  
 produkte, Abt. Pharmakovigilanz, Kurt-  
 Georg-Kiesinger-Allee 3, D-53175 Bonn,  
 Website: [www.bfarm.de](http://www.bfarm.de).

**4.9 Overdose**

No cases of overdose have been reported.

**5. PHARMACOLOGICAL PROPERTIES****5.1 Pharmacodynamic properties**

Pharmaco-therapeutic group:  
 Herbal medicinal product for prostate dis-  
 orders  
 ATC code: G04CP

The following pharmacological effects have  
 been demonstrated experimentally:

Antiproliferative effect

*In vitro* growth inhibition by the water-solu-  
 ble fraction of the pollen extract mixture of  
 epithelial and fibroblast cells cultured from

BPH tissue after stimulation with dihydro-  
 testosterone and oestradiol. Effect on tis-  
 sue levels of epidermal growth factor (EGF).

Antiinflammatory effect

Inhibition of the release of the proinflamma-  
 tory cytokines TNF-alpha, IL-6 and IL-2 in  
 the prostate. Dose-dependent *in vitro* inhi-  
 bition by the acetone-soluble fraction of the  
 pollen extract mixture of cyclo-oxygenase  
 activity (IC<sub>50</sub> = 0.005 mg/ml) and 5-lipoxy-  
 genase activity (IC<sub>50</sub> = 0.08 mg/ml). This  
 results in decreased leukotriene-induced  
 release of leukotactic substances and re-  
 duced prostaglandin synthesis.

Anticongestive effect

As a result of reduced prostaglandin syn-  
 thesis, reduction in the prostaglandin-in-  
 duced increase in vascular permeability  
 and consequent oedema.

Spasmolytic effect

In the isolated guinea-pig ileum, a spasmolytic  
 effect was measured from a concen-  
 tration of  $3 \times 10^{-4}$  g/ml onwards.

**5.2 Pharmacokinetic properties**

There have been no studies of pharmacoki-  
 netics.

**5.3 Preclinical safety data**

Pharmacological safety studies performed  
 in animals have shown no effect on respira-  
 tion and the cardiovascular system.

On oral administration of both the water-  
 soluble and acetone-soluble fractions of the  
 pollen extract in male mice and rats, LD<sub>50</sub>  
 is greater than 6000 mg/kg body  
 weight. With i.p. administration of the ex-  
 tract mixture, LD<sub>50</sub> is also greater than  
 6000 mg/kg body weight.

Mutagenicity studies are carried out using  
 an *in vivo* cytogenetic test for chromosome  
 aberrations in rats after oral administration  
 of both the water-soluble and fat-soluble  
 fractions at doses of 5000 mg/kg body  
 weight. Both fractions were tested *in vitro*  
 in cultivated human lymphocytes, in the  
 gene mutation test in V79 cells and in bac-  
 terial test systems. In none of these tests  
 was evidence of a mutagenic effect pro-  
 duced.

In sensitisation studies in the guinea-pig  
 skin in the Magnusson-Kligman test, in-  
 tracutaneous and local administration ini-  
 tially caused no skin irritation; however,  
 subsequent challenge treatment produced  
 marked sensitisation reactions with erythe-  
 ma formation and pustules. The sensitisa-  
 tion rate was 100%. There is no evidence  
 of sensitisation after oral administration.

**6. PHARMACEUTICAL PARTICULARS****6.1 List of excipients**

Calcium gluconate (Ph.Eur.)  
 Calcium hydrogen phosphate dihydrate  
 Iron oxide hydrate (E 172)  
 Gelatin  
 Purified water  
 Colloidal silicone dioxide  
 Lactose monohydrate  
 Magnesium stearate (Ph.Eur.)  
 Maltodextrin  
 Microcrystalline cellulose  
 Sodium dodecylsulfate  
 Titanium dioxide (E 171)

**6.2 Incompatibilities**

None known.

**6.3 Shelf life**

36 months

**6.4 Special precautions for storage**

Store in the original package in order to protect from moisture.

Do not store above 25 °C.

**6.5 Nature and contents of container**

Blister strips inserted in boxes.

Pack sizes:

30, 60 [N 1]; 120 [N 2]; 200 [N 3] and 240 hard capsules

Not all pack sizes may be marketed.

**6.6 Special precautions for disposal**

No special requirements.

**7. MARKETING AUTHORISATION HOLDER**

Strathmann GmbH & Co. KG

P.O. Box 610425

22424 Hamburg

Telephone: +49 40/55 90 5-0

Fax: +49 40/55 90 5-100

E-mail: VL.Strathmann.Info@dermapharm.com

**8. MARKETING AUTHORISATION NUMBER**

36796.00.00

**9. DATE OF FIRST AUTHORISATION/ RENEWAL OF AUTHORISATION**

Date of first authorisation: 02.09.1996

Date of last renewal of the authorisation:

28.10.2004

**10. DATE OF REVISION OF THE TEXT**

May 2021

**11. GENERAL CLASSIFICATION FOR SUPPLY**

Medicinal product not subject to medical prescription. Available only in pharmacies.