Euphorbia prostrata

Synonyms: - Chamaesyce prostrate

Scientific classification:-

- Kingdom: Plantae
- Clade: Tracheophytes
- Clade: Angiosperms
- Clade: Eudicots
- Order: Malpighiales
- Family: Euphorbiaceae
- Genus: Euphorbia
- Species: E. prostrate

PHARMACOLOGY

INDICATIONS

The medication is useful against the following conditions:

- Piles
- Varicose Veins
- Asthma
- Bronchitis
CONTRAINDICATIONS

- History of hypersensitivity to Euphorbia prostrata extract, flavonoids and/or any constituents of the formulation.
- Bleeding Disorders
- Pregnant or lactating women

PHARMACODYNAMICS

MECHANISM OF ACTION

Beneficial effects of Euphorbia prostrata in hemorrhoids have multiple mechanisms:
Five compounds in Euphorbia prostrata namely **Apigenin glycoside amounts to 30-45%, Luteolin glycoside to 3-9%, 6- methoxy quercetin glycoside is 1-6% while Quercetin and Luteolin is 1-2%**. And **Flavonoids (35-62%)** contribute in healing of inflammatory tissue damage in hemorrhoidal conditions.

The standardized extract of Euphorbia prostrata, when administered orally showed an inhibition of both carrageenan-induced edema and histamine-induced edema. **Flavonoids (35-62%)** in Euphorbia are potent inhibitors of prostaglandin E2 (PGE2) and thromboxane A2 (TxA2) as well as being inhibitors of leukocyte activation, migration, and adhesion. **Ellagic acid** is one of the major constituents of Euphorbia prostrata extract and is reported to suppress histamine release mediated by histamine liberators. This property of Sitcom has been seen to control anal pruritus in majority of patients in this study. **Phenolic acids** are reported to activate intrinsic blood coagulation by activation of Hageman factor and cause a state of hypercoagulability. **Tannic acid** has antimicrobial properties, which is associated with the ester linkage between gallic acid and other sugar or alcohol groups. **Include improvement** of venous tone, increased lymphatic drainage, protection of capillary bed microcirculation, inhibition of inflammatory reactions, and reduced capillary permeability.

**Dosage:**

**Treatment of Hemorrhoids:** One 100mg tablet once daily for 14 days

**Post-hemorrhoidectomy setting in patients of grade 3 and grade 4 Hemorrhoids:** one 100mg tablet twice daily for 14 days.
Reference


https://www.semanticscholar.org/paper/Euphorbia-Prostrata-a-clinically-proven-drug-in-Porwal-Khobragade/838e97703470d7ee3e3dfb4d77c77c975d351151

https://www.lybrate.com/medicine/euphorbia-prostrata-extract