

## ***Krameria triandra* (R. and P.): Source of Tannin**

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***Krameria triandra*** is significant plant of Materia Medica written in 1930.

**Common name:** Krameria root, Peruvian Rhatany, Red Rhatany, Rhatany root and Ratanya.

**Family:** Polygalaceae.

**Location:** Peru.

**Botany:** A low shrub with large red flowers. The root consists of long, cylindrical pieces, varying in thickness from 1/4 to 1/2 inch or more or a short, thick portion, knotted, and as large as a man's fist.

**Phytochemistry:** Tannic acid: rhataniatannic acid, peculiar acid principle: krameric acid, phlobaphene, phloroglucin, oligomeric proanthocyanidins (Scholz and Rimpler, 1989), procyanidins, neolignans (Marina *et al*, 2002), lignin, tannin and wax.

**Actions:** Astringent, bronchodilator, antiviral, antitussive, antioxidant and photoprotective (Marina *et al* 2002), bactericidal, fungicidal, styptic and tonic.

**Therapeutics:** Cough, diarrhea, bloody diarrhea, bleeding, urinary incontinence, leucorrhea, hemorrhoids, rectal prolapse and stomatitis.

**Adverse drug reactions:** Allergic contact dermatitis (Bujan *et al* 1998).

**Preparations:** Extract dose, 0.3 to 1 G. Tincture dose, 2-4 mils.

**Parts used:** Roots.

**References:**

- Scholz, E. and Rimpler, H.1989. Proanthocyanidins from *Krameria triandra* root. *Planta Med.* **55(4)**:379-84.
- Goday Bujan, J.J. *et al.*, 1998. Allergic contact dermatitis from *Krameria triandra* extract. *Contact Dermatitis.* 38(2):120-1.
- Marina, C. *et al.*, 2002. Antioxidant and photoprotective activity of a lipophilic extract containing neolignans from *Krameria triandra* roots. *Planta Med.* 68(3): 193-197.