



*Agastache rugosa* (Fisch. et Mey.) Kuntze

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**Labiatae**

Korean Name: Bae-cho-hyang

English Name: Wrinkled giant hyssop

*Parts used.* Herb.

*Traditional uses.* Acute gastritis, vomiting, diarrhoea.

*Description.* Coarse, robust, tall, fragrant, perennial herb, to 1.5 m tall. Stems square in cross section, erect, branched at the top, white-puberulent. Leaves opposite, ovate-cordate, 5-10 cm long, 2.5-7 cm wide, acuminate at tip, cordate to rounded at base, serrate, nearly glabrous above, whitish pubescent beneath, long-petioled. Inflorescence a dense spike at terminal, spikes 5-15 cm long, 2 cm in diameter. Flowers purple; calyx 0.5 cm long, 5-toothed, teeth triangular; corolla tube 8-10 mm long, bilabiate, the upper lip erect, bilobate, the lower lip expanded, 3-lobed; stamens 4, style bifid. Fruit smooth nutlet. Aug. - Oct.

*Habitat.* Grassy areas in mountains (near streams) and valleys.

*Distribution.* Korea, Japan, northern China, east Siberia.

*Bio-Activities.* Antifungal, antiprotozoic (1), anticomplementary (in vitro) (2).

*Chemical components.* Essential oil: anethole, anisaldehyde, limonene, patchoulic alcohol, methylchavicol, l-caryophyllene, other minor sesquiterpenes. Flavonoids: agastachosides, acacetin and tilianin (1). Phenylpropanoids: estragole, rosmarinic acid, rosmarinic acid methyl ester (2). Triterpenes: erythrodiol-3-O-acetate, 3-O-acetyl oleanolic aldehyde (3). Agastanol (4).

*References.*

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- (3) Han, D.S. (1987) Kor. J. Pharmacog. **18**, 50.
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