

22. OMPHALOTRIGONOTIS W. T. Wang, Bull. Bot. Res., Harbin 4(2): 8. 1984.

皿果草属 min guo cao shu

Herbs annual. Stems erect, branched or not. Leaves alternate, petiolate, elliptic-ovate, strigose. Cymes ebracteate. Flowers short pedicellate. Calyx 5-parted to base; lobes subdivaricate, oblong, slightly enlarged in fruit. Corolla campanulate, glabrous; tube ca. as long as limb; throat with appendages. Stamens inserted slightly above middle of corolla tube, included; filaments extremely short. Ovary 4-parted. Style included. Gynobase flat. Nutlets tetrahedral; margin of abaxial surface exserted, becoming a cupular emergence; attachment scar at corner of 3 adaxial surfaces.

Two species: endemic in China.

- 1a. Cymes to 18 cm in fruit; corolla ca. 2.5 mm; petiole not membranous, cuneate at base 1. *O. cupulifera*
1b. Cymes 2–3 cm in fruit; corolla ca. 6 mm; petiole membranous, sheathing at base 2. *O. vaginata*

1. Omphalotrigonotis cupulifera (I. M. Johnston) W. T. Wang, Bull. Bot. Res., Harbin 4(2): 11. 1984.

皿果草 min guo cao

Trigonotis cupulifera I. M. Johnston, J. Arnold Arbor. 33: 69. 1952.

Stems usually single, erect to prostrate, rarely branched, 20–40 cm tall, sparsely short strigose. Petiole 0.5–4 cm; leaf blade elliptic-ovate to narrowly elliptic, 1.5–4 × 1–2.3 cm, short strigose, base broadly cuneate, apex obtuse, mucronate. Cymes to 18 cm in fruit. Pedicel 1–3.5 mm. Calyx lobes oblong, ca. 2 mm, to 3.5 mm in fruit, pubescent. Corolla light blue or light purple-red, ca. 2.5 mm, glabrous; throat appendages lunate; limb ca. 4 mm wide; lobes spreading, broadly ovate to suborbicular, ca. 1.8 mm. Anthers oblong, ca. 0.7 mm. Style ca. 0.7 mm. Nutlets light yellow-brown, 0.8–1 mm, smooth, shiny; cupular emergence of abaxial surfaces, ca. 1.5 in diam., ca. 0.8 mm high. Fl. and fr. May–Jul.

• Forests, hillside meadows, margins of rice fields, along streams, wet places at forest margins, thickets; ca. 100 m. Anhui, N Guangxi, Hunan, Jiangxi, Zhejiang.

2. Omphalotrigonotis vaginata Y. Y. Fang, Bull. Bot. Res., Harbin 7(1): 89. 1987.

具鞘皿果草 ju qiao min guo cao

Herbs perennial, minutely strigose. Stems branched near base, ca. 20 cm tall. Basal leaves 4 or 5; petiole ca. 5 cm, membranous and sheathing at base; leaf blade broadly elliptic, 0.8–1.6 cm × 6–12 mm, densely white strigose, base rounded to truncate, apex acute; stem leaves alternate, ovate-elliptic to elliptic, 1.7–3.5 × 0.7–1.5 cm. Cymes terminal, racemelike, 2–3 cm, ebracteate. Pedicel ca. 2 mm. Calyx 2.5–3 mm, to 4 mm in fruit, parted to base; lobes narrowly oblong. Corolla blue, ca. 6 mm; tube slightly longer than calyx; throat appendages semilunar; limb divaricate; lobes 5, elliptic-rounded, ca. 2.5 mm. Stamens inserted at middle of tube; filaments less than 1 mm, ca. as long as anthers. Style ca. 3 mm; stigma 2-lobed. Nutlets 4, tetrahedral, ca. 2 mm, affixed to gynobase at adaxial angle, with a cupular abaxial projection.

• Zhejiang.

Flora of China 16: 374–375. 1995.