

6. PLAGIOPETALUM Rehder in Sargent, Pl. Wilson. 3: 452. 1917.

偏瓣花属 pian ban hua shu

Shrubs or herbs. Stems usually 4-sided, narrowly winged when young, often subterete when older. Leaves petiolate; leaf blade membranous to papery, secondary veins 1 or 2 on each side of midvein, tertiary veins parallel, margin serrulate to subentire but sparsely setose ciliate. Inflorescences terminal or axillary, umbellate corymb, rarely umbellate; bracts often lanceolate to triangular-lanceolate. Pedicel 4-sided; bracteoles 2. Hypanthium campanulate, usually contracted at middle, 4-sided, 8-ribbed. Calyx lobes 4, often ovate, apex apiculate. Petals 4, red, purple, or sometimes pink, ovate to obovate, oblique. Stamens 8, whorls unequal in length; anthers lanceolate to long lanceolate, not tuberculate; connective not or minutely inflated at base, shortly spurred. Ovary inferior, 4-celled, apically denticulate. Style filiform; stigma apiculate. Capsule globose to ovoid-urceolate, 4-sided; hypanthium often glabrous. Seeds numerous, long cuneate to narrowly triangular, small, ribbed on angles, densely tuberculate.

Two species: China, Myanmar, Vietnam; two species (one endemic) in China.

Plagiopetalum is often considered a synonym of *Anerincleistus* Korthals. The genus was revised by Hansen (Bull. Mus. Natl. Hist. Nat., B, Adansonia 10: 127–136. 1988), and his species concepts are followed here.

- 1a. Shrubs 50–70(–200) cm tall; leaf blade 2–14 × (0.7–)2.5–6.5 cm; pedicel 6–10 mm 1. *P. esquirolii*
- 1b. Herbs 12–22 cm tall; leaf blade 0.9–1.9 × 0.6–1.4 cm; pedicel ca. 1 mm 2. *P. tenuicaule*

1. *Plagiopetalum esquirolii* (H. Léveillé) Rehder, J. Arnold Arbor. 15: 110. 1934.

偏瓣花 pian ban hua

Sonerila esquirolii H. Léveillé, Bull. Soc. Bot. France 54: 368. 1907; *Allomorphia blinii* (H. Léveillé) Guillaumin; *A. flexuosa* Handel-Mazzetti; *Barthea blinii* H. Léveillé; *Oxyspora serrata* Diels; *Plagiopetalum blinii* (H. Léveillé) C. Y. Wu ex C. Chen; *P. esquirolii* var. *septemnerium* C. Chen; *P. esquirolii* var. *serratum* (Diels) C. Hansen; *P. henryi* (Kraenzlin) S. Y. Hu; *P. quadrangulum* Rehder; *P. serratum* (Diels) Diels; *P. serratum* var. *quadrangulum* (Rehder) C. Chen; *Sonerila henryi* Kraenzlin.

Shrublets 50–70(–200) cm tall. Stems usually 4-sided, narrowly winged when young, slightly setose and puberulous on wings otherwise glabrous, often subterete when mature. Petiole (0.4–)2–20 cm, densely squamose and patently setose or densely puberulous and shortly setose; leaf blade lanceolate, ovate-lanceolate, or rarely elliptic, 2–14 × (0.7–)2.5–6.5 cm, membranous to papery, abaxially glabrous except densely puberulous and sparsely strigose on veins, adaxially glabrescent or sparsely puberulous and very sparsely strigose, secondary veins 1–3 on each side of midvein, base obtuse to rounded, margin serrulate to subentire but sparsely setose ciliate, apex acuminate. Inflorescences terminal or axillary, remotely cymose or a compound umbellate corymb, 1.5–8.5 cm, usually squamose and glandular setose. Pedicel 6–10 mm, finely puberulous. Hypanthium campanulate, 5–7 mm, 4-sided, 8-ribbed, patently setose and sparsely puberulous. Calyx lobes ovate, apex apiculate. Petals purple or sometimes pink, obovate, 6–10 mm, oblique. Longer stamens ca. 1.1 cm; anthers ca. 6 mm. Shorter stamens 7.5–8 mm; anthers 3–4.5 mm. Connective not or mi-

nutely inflated at base. Ovary apically 4-denticulate. Capsule ovoid, 4–6 mm in diam.; hypanthium limb outside glabrous or glandular puberulous. Fl. Aug–Oct, fr. Dec–Feb.

Open broad-leaved forests, mixed forests, grasslands, valleys, moist places, moist soil, rock crevices, trailsides; 500–3500 m. Guangxi, Guizhou, Sichuan, Yunnan [NE Myanmar, Vietnam].

2. *Plagiopetalum tenuicaule* (C. Chen) C. Hansen, Bull. Mus. Natl. Hist. Nat., B, Adansonia 10: 134. 1988.

四棱偏瓣花 si leng pian ban hua

Phyllagathis tenuicaulis C. Chen, Bull. Bot. Res., Harbin 4(3): 42. 1984.

Herbs 12–22 cm tall. Stems slender, 4-sided, narrowly winged on angles, wings with sparse glandular trichomes, nodes hispid. Petiole ca. 8 mm to sessile, with glandular trichomes; leaf blade ovate to broadly ovate, 0.9–1.9 × 0.6–1.4 cm, papery, abaxially sparsely strigose on veins, adaxially sparsely strigose, secondary veins 1(or 2) on each side of midvein, base cuneate to subcordate, margin denticulate, apex acute. Inflorescences terminal, cymes, 1.5–2.2 cm, 1–3-flowered; peduncle ca. 1 cm, with sparse glandular trichomes. Pedicel ca. 1 mm, bracteolate at base. Hypanthium bell- or funnel-shaped, 4-sided, ca. 3.5 mm, with glandular trichomes. Calyx lobes broadly triangular, apex acute with a ca. 0.5 mm aristate tip. Petals purplish red, subround, ca. 6 × 5 mm, minutely oblique, base shortly unguiculate, apex acute with 1 glandular trichome at tip. Stamens equal, ca. 5.5 mm; anthers lanceolate, ca. 2.5 mm; connective minutely inflated. Ovary broadly ovate, apex 4-dentate. Fl. Aug.

- Mountain slopes, grassy areas; ca. 1700 m. Guangxi.

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