

8. **BARTHEA** J. D. Hooker in Bentham & J. D. Hooker, Gen. Pl. 1: 731, 751. 1867.

棱果花属 *leng guo hua shu*

Shrubs. Branches 4-sided, glabrous or slightly furfuraceous. Leaves opposite, petiolate; leaf blade both surfaces glabrous, secondary veins 2 on each side of midvein but marginal veins inconspicuous, margin entire. Inflorescences terminal, cymes, (1-)3-flowered. Flowers 4-merous. Hypanthium campanulate, acutely 4-angled, furfuraceous. Calyx lobes 4, lanceolate to shortly triangular. Petals 4, broadly obovate. Stamens 8, whorls unequal in length. Anthers of longer stamen lanceolate, apex beaked; connective basally extended adaxially into an inconspicuous spur bearing 2 long setae. Anthers of shorter stamen oblong, apex not beaked, 2-setose at base; connective slightly inflated. Ovary half inferior, pyriform, 4-sided, 4-celled, glabrous. Capsule oblong-globose, obtusely 4-sided, often furfuraceous, dehiscent into 4 valves. Seeds numerous, cuneiform, small.

• One species: China.

The genus was revised by Hansen (Notes Roy. Bot. Gard. Edinburgh 38: 489-493. 1980), and his concept is followed here.

1. **Barthea barthei** (Hance ex Bentham) Krasser in Engler & Prantl, Nat. Pflanzenfam. 3(7): 175. 1893.

棱果花 *leng guo hua*

Shrubs 70-150(-300) cm tall. Stems terete; bark grayish white; branches numerous, nearly 4-sided, puberulous and glandular furfuraceous. Petiole 0.5-1.5 cm, densely furfuraceous or glabrous; leaf blade elliptic, suborbicular, ovate, or ovate-lanceolate, (3.5-)6-11(-15) × (1.8-)2.5-5.5 cm, stiffly papery to subleathery, abaxially densely furfuraceous, adaxially glabrous, secondary veins 2 on each side of midvein, base obtuse to broadly obtuse, margin entire or serrulate, apex acuminate. Inflorescences cymes, (1-)3-flowered but usually only 1 fertile; peduncle ca. 7 mm, 4-sided, furfuraceous. Hypanthium ca. 0.6 or 1.4 cm, 4-sided, very narrowly winged on ribs, densely furfuraceous. Calyx lobes shortly triangular or linear-lanceolate, ca. 3 or 1.5-1.7 mm. Petals white, pink, or purple, oblong-elliptic to obovate, 1.1-1.8 × 1-1.6 cm, apically oblique. Filaments of longer stamen ca. 8 mm; anthers ca. 1 cm, spur ca. 2 mm and curved, basal 2 setae ca. 3.5 mm. Filaments of shorter stamen ca. 6 mm; anthers ca. 3 mm, spur inconspicuous, basal setae ca. 2.5 mm. Ovary 4-sided, glabrous. Capsule oblong, ca. 1 or 1.8 × 0.6 or 1.1 cm, 4-sided, furfuraceous, wings 1-2 mm wide on ribs. Fl. Jan-May or Oct-Dec, fr. Oct-Dec or May.

• Mixed forests, forested mountain slopes, open thickets, wooded ravines, along streams; 400-2500(-2800) m. Fujian, Guangdong, Guangxi, Hunan, Taiwan.

1a. Calyx lobes shortly triangular, ca.

3 mm; hypanthium ca. 0.6 cm;

capsule ca. 1 × 0.6 cm, with wings

to 1 mm wide 1a. var. *barthei*

1b. Calyx lobes linear-lanceolate, 1.5-1.7 cm;

hypanthium ca. 1.4 cm; capsule ca.

1.8 × 1.1 cm, with wings ca. 2 mm

wide 1b. var. *valdealata*

1a. **Barthea barthei** var. *barthei*

棱果花(原变种) *leng guo hua* (yuan bian zhong)

Dissochaeta barthei Hance ex Bentham, Fl. Hongk. 115. 1861; *Barthea chinensis* J. D. Hooker, nom. illeg. superfl.; *B. formosana* Hayata.

Petals 1.1-1.8 × 1-1.6 cm. Hypanthium ca. 6 mm. Calyx lobes shortly triangular, ca. 3 mm. Fruit ca. 1 × 0.6 cm, with wings to 1 mm wide. Fl. Jan-Apr or Oct-Dec, fr. Oct-Dec or May.

• Mixed forests, open thickets, wooded ravines, along streams; 400-1300(-2800) m. Fujian, Guangdong, Guangxi, Hunan, Taiwan.

1b. **Barthea barthei** var. *valdealata* C. Hansen, Notes Roy. Bot. Gard. Edinburgh 38: 492. 1980.

宽翅棱果花 *kuan chi leng guo hua*

Petals 2-2.5 × 1-2 cm. Hypanthium ca. 1.4 cm. Calyx lobes linear-lanceolate, 1.5-1.7 cm. Fruit ca. 1.8 × 1.1 cm, with wings ca. 2 mm wide. Fl. Jan-May, fr. Oct-Nov.

• Forested mountain slopes. 500-2500 m. Guangxi (Shangsi).

