

181. PTEROCERAS Hasselt ex Hasskarl, Flora 25(2, Beibl.): 6. 1842.

长足兰属 *chang zu lan shu*

Chen Xinqi (陈心启 *Chen Sing-chi*); Jeffrey J. Wood

Herbs, epiphytic, small, monopodial. Stems mostly short. Leaves few to ca. 10, ± distichous, flat, lorate, jointed and amplexicaul-sheathing at base, apex usually unequally bilobed. Inflorescences solitary to several, lateral or axillary, penetrating leaf sheaths, erect or pendulous, racemose, with a few to many spirally or distichously alternating flowers. Flowers usually resupinate, small. Sepals and petals free, spreading; lateral sepals often oblique and distinctly broader than petals, not adnate to column foot. Petals narrower than sepals; lip hinged to end of column foot by a movable joint, 3-lobed; lateral lobes erect, rather long; mid-lobe very short and small, fleshy, base spurred; spur or sac pointing forward in line with column foot, without interior ornaments, although front wall sometimes quite fleshy. Column short and stout, with a long foot; rostellum small, 2-lobed; pollinia 2, waxy, subglobose, cleft, attached by a common suboblong stipe to a ± triangular viscidium.

About 20 species: from NE India to Indonesia (Maluku); two species (one endemic) in China.

The genus *Pteroceras* has been monographed by Pedersen (*Opera Bot.* 117: 1–64. 1993).

Pteroceras simondianum (Gagnepain) Averyanov (*Bot. Zhurn. (Moscow & Leningrad)* 73: 432. 1988; *Ornithochilus simondianus* Gagnepain, *Bull. Mus. Natl. Hist. Nat., sér. 2*, 22: 632. 1951) was erroneously recorded from Yunnan by Y. M. Shui and W. H. Chen (*Seed Pl. Karst Region China* 1: 250. 2006). The record was based on a misidentified specimen.

- 1a. Surface of peduncle glabrous and smooth; stems 2–14 cm; ovary strongly 3-keeled 1. *P. leopardinum*
- 1b. Surface of peduncle densely black hispid; stems 1.5–4.6 cm; ovary terete 2. *P. asperatum*

1. *Pteroceras leopardinum* (E. C. Parish & H. G. Reichenbach) Seidenfaden & Smitinand, *Orchids Thailand* 4(1): 535. 1963.

长足兰 *chang zu lan*

Thrixspermum leopardinum E. C. Parish & H. G. Reichenbach, *Trans. Linn. Soc. London* 30: 145. 1874; *Sarcochilus leopardinus* (E. C. Parish & H. G. Reichenbach) J. D. Hooker.

Stems 2–10 cm, 4–5 mm in diam., rigid, 3–6-leaved. Leaf blade suboblong, 9.5–14 × 1.5–2 cm, thinly leathery, acute. Racemes 2–6, 1–2 cm, to 10-flowered; peduncle and rachis dilated distally, glabrous, longitudinally ribbed; floral bracts ovate-triangular, ca. 1 mm. Flowers slightly fleshy, yellow with purplish brown spots, lip white abaxially, spur white; pedicel and ovary 5–6 mm, ovary strongly 3-keeled. Dorsal sepal subovate-lanceolate, ca. 4 × 2 mm, obtuse; lateral sepals broadly ovate-triangular, ca. 4 × 4 mm, obtuse. Petals oblong, ca. 4 × 1.5 mm, obtuse; lip movable, 3-lobed; lateral lobes erect, oblong, ca. 3 × 1 mm, obtuse-rounded; mid-lobe ovate-triangular, ca. 1.5 × 1 mm, fleshy, base with 2 calli on either side, apex obtuse; spur conic-oblong, ca. 4 × 2 mm, inside densely hairy, apex obtuse. Column ca. 2 mm, thick, foot ca. 3 mm. Fl. May.

Epiphytic on tree trunks in open forests or at forest margins; 900–1300 m. S Yunnan [India, Malay Archipelago (Borneo), Myanmar, Philippines, Thailand, Vietnam].

2. *Pteroceras asperatum* (Schlechter) P. F. Hunt, *Kew Bull.* 24: 96. 1970.

毛萼长足兰 *mao ting chang zu lan*

Sarcochilus asperatus Schlechter, *Repert. Spec. Nov. Regni Veg. Beih.* 4: 75. 1919.

Stems inconspicuous, usually 2- or 3-leaved. Leaf blade obliquely oblong or oblong-ligulate, 13–23 × 3–4.5 cm, obtuse and unequally bilobed. Inflorescence suberect, 5–14 cm, laxly few to many flowered; peduncle and rachis densely black hispidulous; floral bracts ovate-triangular, small, abaxially black hispidulous. Flowers white; pedicel and ovary ca. 8 mm, slender, black hispidulous. Sepals suboblong, ca. 6 × 4 mm, abaxially black hispidulous, apex obtuse; lateral sepals oblique, obtuse. Petals oblong, ca. 6 × 3 mm, obtuse; lip movable, 3-lobed; lateral lobes erect, oblong, ca. 3 mm, distal margin with a small tooth, apex obtuse; mid-lobe nearly reniform, ca. 1 × 2 mm, thickly fleshy, adaxially with a high lamella, apex obtuse; spur cylindrical, ca. 2 mm, obtuse. Column ca. 3 mm, foot ca. 3.5 mm; stipe lorate; viscidium subquadrate, apex with irregular teeth. Fl. unknown.

• Epiphytic on tree trunks in evergreen broad-leaved forests; ca. 1500 m. S Yunnan.

