

182. BIERMANNIA King & Pantling, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 66: 591. 1897.

胼胝兰属 pian zhi lan shu

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Herbs, epiphytic, small, monopodial. Stems short, enclosed in leaf sheaths. Leaves several, linear, \pm fleshy, jointed and sheathing at base, unequally bilobed, lobules acute. Inflorescence lateral, racemose, rather short, several flowered; floral bracts small. Flowers usually opening successively, short-lived, resupinate, small. Sepals and petals free, subequal; lateral sepals attached to column base, usually broader. Petals shorter than sepals; lip sessile, narrowly but firmly adnate to column foot at a right angle, sides enveloping or parallel with column, base with a small slitlike opening leading to a small hidden pouch, spur absent, 3-lobed; lateral lobes parallel to or \pm embracing column; mid-lobe linear to narrowly ovate. Column short or rather long, usually stout, with a short foot; pollinia 2, waxy, subglobose, slightly grooved or with a small cavity, attached by a common broadly linear-oblong stipe to a solitary viscidium.

About nine species: China, India, Indonesia, Peninsular Malaysia, Thailand, Vietnam; one species in China.

1. *Biermannia calcarata* Averyanov, Bot. Zhurn. (Moscow & Leningrad) 73: 429. 1988.

trifid-tipped. Column ca. 2 mm; stipe ca. 0.5 mm. Fl. Jul–Sep.

Epiphytic on trees in forests; ca. 800 m. SW Guangxi [Vietnam].

胼胝兰 pian zhi lan

Stems ca. 5 mm, base with several fleshy roots. Leaves basal, 4 or 5, oblong-lanceolate, 3–5 \times ca. 1 cm, unequally bilobed. Inflorescence pendulous, 5–12 mm, 3–6-flowered; peduncle and rachis slightly flattened; floral bracts 1–3 mm. Flowers small, pale yellow, lip mid-lobe white; pedicel and ovary 3–5 mm. Sepals similar, elliptic-lanceolate, ca. 9 \times 3 mm, dorsally carinate, cuspidate-acuminate. Petals similar to sepals, ca. 8 \times 2.5 mm, acuminate; lip 3-lobed; lateral lobes erect, ovate-triangular, ca. 1 \times 0.5 mm; mid-lobe spreading horizontally, conic-cucullate, \pm slipper-shaped, ca. 6 \times 2 mm, fleshy, obtuse; pouch oblong-cylindric, ca. 2 \times 1.5 mm, slightly

