

162. SARCOGLYPHIS Garay, Bot. Mus. Leafl. 23: 200. 1972.

大喙兰属 da hui lan shu

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Herbs, epiphytic, monopodial, small. Stems short, with many leaves. Leaves distichous, ligulate, flat, slightly fleshy, base sheathing, jointed. Inflorescence arising from lower portion of stem, axillary, pendulous, branched or unbranched, laxly many flowered. Flowers small. Sepals and petals free, similar. Lip adnate at base to column, spurred, 3-lobed; lateral lobes suberect; mid-lobe slightly fleshy; spur subconic, inside \pm septate and with a callus on back wall. Column short, stout, without a foot; stigma suborbicular; rostellum large, raised, laterally compressed, fleshy, with a longitudinal furrow along its edge into which stipe and dorsally placed pollinia recline; anther cap subglobose, apex beaked; pollinia 4, as 2 unequal pollen masses, waxy, compressed globose, separate, each with a short caudicle, attached to a common long stipe and a small, ovate viscidium.

About 11 species: from China and India to Indonesia; two species (one endemic) in China.

1a. Inflorescence longer than leaves; anther cap ca. 3 mm, longer than wide, apex narrowed and long beaked 1. *S. smithiana*

1b. Inflorescence shorter than leaves; anther cap ca. 1.5 mm, wider than long, apex not long beaked 2. *S. magnirostris*

1. *Sarcoglyphis smithiana* (Kerr) Seidenfaden, Opera Bot. 114: 383. 1992 [*“smithianus”*].

大喙兰 da hui lan

Sarcanthus smithianus Kerr, J. Siam Soc., Nat. Hist. Suppl. 9: 239. 1933; *Sarcoglyphis yunnanensis* Z. H. Tsi.

Stems 2–5 cm, enclosed in persistent leaf sheaths. Leaves narrowly oblong or slightly falcate-oblong, 11–19 \times 1.5–2 cm, obtuse and unequally bilobed. Inflorescence racemose, rarely paniculate, pendulous, longer than leaves, many flowered; peduncle with 3 or 4 bractlike sheaths; rachis slender; floral bracts ovate, small, ca. 1 mm, acute. Flowers small, white, tinged with purple, lip purple; pedicel and ovary 5–8 mm. Dorsal sepal oblong, cymbiform, ca. 4.5 \times 3 mm, obtuse; lateral sepals obliquely ovate, ca. 4.5 \times 3.5 mm, obtuse. Petals oblong, ca. 4 \times 1.2 mm, obtuse; lip spurred, 3-lobed; lateral lobes erect, subtriangular, apex rounded; mid-lobe slightly fleshy, middle dilated and transversely oblong, beaked toward apex; spur subconic, ca. 3 mm, apex obtuse, interior slightly septate, with a laterally compressed callus on back wall; callus deeply grooved centrally, with 2 small hornlike projections, base densely minutely papillate. Column ca. 1.5 mm; rostellum \pm oblong, ca. 1.5 mm. Fl. Apr.

Epiphytic on tree trunks in evergreen broad-leaved forests; 500–700 m. S Yunnan [Laos, Thailand, N Vietnam].

2. *Sarcoglyphis magnirostris* Z. H. Tsi, Acta Phytotax. Sin. 23: 387. 1985 [*“Sarcoglyphia”*].

短帽大喙兰 duan mao da hui lan

Stems ascending, 1–4 cm, ca. 1 cm in diam., usually 3–5-leaved. Leaves oblong, usually 14–16 \times 1.8–2 cm, unequally bilobed. Inflorescence pendulous, racemose, shorter than leaves, unbranched, sparsely many flowered; rachis purplish black; floral bracts ovate-triangular, ca. 1 mm, acute. Flowers whitish, tinged with purplish red or purple, spur white, rostellum yellowish white, apex of anther cap yellowish brown with 2 purple stripes; pedicel and ovary pale purple, ca. 1 cm. Dorsal sepal ovate-elliptic, 4–5 \times 3–3.5 mm, rounded; lateral sepals obliquely ovate, slightly larger than dorsal sepal, obtuse. Petals oblong, ca. 4 \times 2 mm, obtuse; lip slightly fleshy, 3-lobed; lateral lobes erect, nearly suborbicular; mid-lobe broadly ligulate, ca. 3 \times 3.2 mm, concave at center above, apex subtruncate; spur subconic, ca. 3 mm, apex rounded, inside slightly septate, with a callus on back wall; callus subquadrate, grooved centrally. Column stout; rostellum suborbicular, much higher than clinandrium; anther cap nearly triangular, ca. 1.5 mm. Fl. May.

• Epiphytic on tree trunks in forests along valleys; ca. 800 m. S Yunnan.

