

191. TUBEROLABIUM Yamamoto, Bot. Mag. (Tokyo) 38: 209. 1924.

管唇兰属 *guan chun lan shu*

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

Herbs, epiphytic, small, monopodial. Stems short, enclosed in leaf sheaths. Leaves few, linear-falcate or strap-shaped, flat, jointed and sheathing at base. Inflorescence lateral, often pendulous, racemose, rather long, few to many flowered, a few flowers open at once or all open together; peduncle short; rachis terete, sometimes clavate, fleshy, sulcate; floral bracts small. Flowers rather short-lived or lasting for ca. 1 week, to 9 mm in diam., white, yellowish, or greenish with various purple, brownish purple, or red markings, slightly fleshy. Sepals and petals free, spreading; lateral sepals usually larger than dorsal sepal, base adnate to back wall of spur. Petals smaller than sepals; lip base firmly connate to base of column, immovable, very fleshy, spurred, 3-lobed; lateral lobes on either side of spur entrance, very small, toothlike; mid-lobe laterally compressed, very fleshy, with incurved margin; spur often \pm laterally compressed, broadly conic, thickly walled, unornamented inside, sometimes with protuberances at its entrance. Column short, stout, footless; rostellum short; pollinia 2, waxy, subglobose to ovoid, entire, attached by a common linear stipe to a solitary ovate viscidium.

Eleven species: India, Thailand, and Peninsular Malaysia, north to Taiwan and the Philippines, south to Indonesia, east to New Guinea, Australia, and the Pacific islands; one species (endemic) in China.

The genus *Tuberolabium* has been monographed by J. J. Wood (Nordic J. Bot. 10: 481–486. 1990).

1. *Tuberolabium kotoense* Yamamoto, Bot. Mag. (Tokyo) 38: 209. 1924.

管唇兰 *guan chun lan*

Saccolabium kotoense (Yamamoto) Yamamoto.

Stems short, indistinct. Leaves 2–7, \pm basal; blade oblong or oblong-elliptic, 6.5–16 \times 2–4 cm, rather fleshy or thickly leathery, apex obtuse and slightly bilobed. Inflorescence pendulous, 10–15 cm, densely many small flowered; peduncle and rachis 4–5 mm in diam.; floral bracts broadly ovate-triangular, 2–3 mm, sometimes denticulate toward apex. Flowers white, often tinged with yellow, lip lateral lobes purplish, mid-lobe

white with a central purplish patch and 2 purple basal swellings, spur white or pale green, sometimes with purplish stripes or spots, column purplish, rostellum white; pedicel and ovary 5–8 mm. Dorsal sepal obovate-elliptic, 4.5–5.5 \times 2.2–3 mm, concave, obtuse; lateral sepals obliquely obovate, 5–6 \times 2.5–4 mm, obtuse. Petals oblong-spatulate, ca. 5 \times 1.8 mm, obtuse; lip spurred, ca. 3 mm, 3-lobed; lateral lobes erect, subquadrate, 1–1.5 cm, obtuse to rounded; mid-lobe thickly fleshy, adaxially slightly depressed at base and with 2 swellings partly covering spur entrance; spur conic, laterally compressed, ca. 2 mm. Column 1–1.5 mm; rostellum ca. 0.3 mm. Fl. Dec–Feb. $2n = 30^*$.

• Epiphytic on tree trunks in thickets. S Taiwan.

