

23. STIGMATODACTYLUS Maximowicz ex Makino, Ill. Fl. Japan 1(7): 81, t. 43. 1891.

指柱兰属 zhi zhu lan shu

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Pantlingia Prain.

Herbs, terrestrial, small. Tubers solitary, globose, small; subterranean stem above tuber erect, elongate, becoming fleshy and rhizomatous apically, producing lateral droppers that form new tubers at their tips. Stem slender, glabrous, unbranched, with membranous cataphylls at each node. Leaf solitary, cauline, green. Inflorescence terminal, racemose, 1- to few flowered; floral bracts foliaceous, smaller than leaf. Flowers resupinate, suberect, shortly pedicellate. Sepals free, narrow, similar but lateral sepals slightly oblique and shorter than dorsal sepal. Petals similar to lateral sepals; lip broad, base with fleshy, deeply lobed callus. Column erect, incurved toward apex, sometimes keeled ventrally and with narrow wings at margin, lacking column foot; anther terminal, 2-locular; stigma concave, with prominent digital appendage at posterior margin; pollinia 4, in 2 pairs, granular-farinaceous, lacking caudicle and viscidium.

About ten species: Indonesia, New Guinea, and the Solomon Islands, with a few species reaching China, the Himalayas, N India, and Japan; one species in China.

1. Stigmatodactylus sikokianus Maximowicz ex Makino, Ill. Fl. Japan 1(7): 70, t. 43. 1891.

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Plants to 10 cm tall. Tuber ca. 3 mm in diam.; rhizomatous portion of subterranean stem cylindrical, 6–10 × 1–2 mm, puberulent, with 1 or 2 small apical scales. Stem 4–10 cm, slender, angled, with 1 short cataphyll near base. Leaf midway along stem, triangular-ovate, 3–5 × 2–4 mm, 3-veined, apex acuminate. Inflorescence 1–3-flowered; floral bracts pale green, slightly smaller than leaf. Flowers pale green with pale reddish

purple lip; pedicel and ovary 5–9 mm. Dorsal sepal linear, ca. 4 × 0.5 mm, basal margin long ciliate; lateral sepals narrowly linear, ca. 2.5 mm. Petals ca. 3.5 mm, narrower than dorsal sepal; lip broadly ovate, ca. 3.5 mm, margin denticulate; basal callus ca. 1.5 mm, fleshy, divided at middle into apical and basal lobes, apical lobe slightly shorter than basal lobe, both shallowly 2-lobed at apex. Column ca. 3.5 mm, with a digital appendage below stigma. Fl. Aug–Sep.

In shade and along gullies in dense forests; ca. 1800 m. N Fujian, S Hunan, Taiwan [Japan].

