

**31. PRIMULINA** Hance, J. Bot. 21: 169. 1883.

报春苣苔属 bao chun ju tai shu

Herbs, perennial, terrestrial or epipetric, rhizomatous, stemless. Leaves few, basal; leaf blade puberulent, base cordate. Inflorescences umbel-like, dense, axillary, 3–9-flowered cymes; bracts 2, opposite. Calyx actinomorphic, deeply 5-lobed; segments equal. Corolla pale purple, lobes with purple central stripe and apical band, zygomorphic, inside puberulent, nearly salverform; tube cylindric, not swollen, longer than limb, ca. 3 mm in diam.; limb indistinctly 2-lipped; adaxial lip 2-lobed, slightly shorter than abaxial lip; abaxial lip 3-lobed, lobes subequal, apex rounded, erose. Stamens 2, adnate to abaxial side of corolla tube near base, included; anthers dorsifixed, coherent, thecae divaricate, confluent at apex, dehiscing longitudinally; connective not projecting; staminodes 3, adnate to adaxial side of corolla tube. Disc of 2 glands, ringlike. Ovary narrowly ovoid, 1-loculed; placentas 2, parietal, projecting inward, 2-cleft. Stigma 1, abaxial, narrowly obtrapeziform, 2-lobed. Capsule straight in relation to pedicel, ellipsoid, shorter than calyx, dehiscing loculicidally to base; valves 2, straight, not twisted. Seeds unappendaged.

• One species: endemic to China.

**1. *Primulina tabacum*** Hance, J. Bot. 21: 169. 1883.

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*Primulina sinensis* J. D. Hooker.

Petiole with wide, undulate marginal wings, 2.5–14 × 0.4–1.2 cm, sparsely puberulent; leaf blade broadly ovate, 5–12 × 4–12.5 cm, adaxially appressed puberulent, abaxially sparsely puberulent, margin deeply lobed, sometimes undulate, lobes occasionally toothed, apex broadly acute to obtuse, subpalmately veined; lateral veins 2 or 3 on each side of midrib. Peduncle 7–11 cm, puberulent; bracts narrowly lanceolate, 4–10(–15) × ca. 1 mm. Calyx 4–6.5 mm; tube to 1 mm; lobes narrowly triangular, 3–5.5 × 0.8–1.5 mm, puberulent. Corolla tube ca. 9 × 3 mm; limb spreading, ca. 1.6 cm in diam.; adaxial lip ca. 7 mm; abaxial lip ca. 9 mm, all lobes ovate, 7–9 mm. Stamens glabrous; filaments 0.8–1.4 mm; anthers ca. 1.5 mm; staminodes 0.2–0.3 mm. Pistil 2.6–5.8 mm, puberulent. Style 1–2 mm. Capsule 3.2–6 mm. Fl. Aug–Oct.

• Stony, riverside cliffs; 100–300 m. N Guangdong (Lian Xian, Yangshan Xian).

The leaves of *Primulina* have the odor of tobacco.

