

11. MEGACODON (Hemsley) Harry Smith in Handel-Mazzetti, Symb. Sin. 7: 950. 1936.

大钟花属 da zhong hua shu

Gentiana sect. *Megacodon* Hemsley in F. B. Forbes & Hemsley, J. Linn. Soc., Bot. 26: 137. 1890; *Gentiana* sect. *Stylophora* C. B. Clarke.

Herbs perennial. Roots stout, slightly fleshy. Stems erect, terete, stout, 1–1.5 cm in diam. at base, striate, simple. Basal leaves 2–4 pairs, small, membranous. Middle to upper stem leaves larger than lower leaves, herbaceous, base obtuse to rounded and subamplexicaul. Inflorescences a thyrse. Pedicel subtended by 2 bracts. Flowers large, nodding, 5-merous, with 2 bracts at base of pedicel. Pedicel slightly nodding, elongated in fruit. Calyx campanulate, lobed to below middle. Corolla campanulate, lobed to below middle; lobes with distinct reticulate veins; plicae absent. Stamens inserted at middle of corolla tube; filaments flattened; anthers ellipsoid. Ovary 1-celled. Style stout; stigma 2-lobed. Nectaries in a whorl on gynophore. Capsules 2-valved, many seeded. Seeds light brown, ellipsoid, wingless.

Two species: Bhutan, SW China, India, Nepal, Sikkim; both species in China.

- 1a. Leaf blade elliptic to ovate-lanceolate; calyx tube 6–8 mm; style 15–18 mm 1. *M. stylophorus*
- 1b. Leaf blade linear-lanceolate to elliptic-lanceolate; calyx tube 2–3 mm; style 4.5–5.5 mm 2. *M. venosus*

1. *Megacodon stylophorus* (C. B. Clarke) Harry Smith in Handel-Mazzetti, Symb. Sin. 7: 950. 1936.

大钟花 da zhong hua

Gentiana stylophora C. B. Clarke in J. D. Hooker, Fl. Brit. India 4: 118. 1883.

Plants 30–60(–100) cm tall. Basal leaf blades ovate, 2–4.5 × 1–2 cm. Middle to upper stem leaf apex obtuse, veins 7–9 and arcuate; middle stem leaf blades elliptic to ovate-elliptic, 7–22 × 3–9(–14) cm; upper stem leaf blades ovate-lanceolate, 5–10 × 1.2–3 cm, smaller toward apex. Thyrses 2–8-flowered. Pedicel 3–6(–16) cm. Calyx campanulate, 2.7–3.2 cm, tube 6–8 mm; lobes ovate-lanceolate, 2–2.6 cm, apex acuminate, veins 3–5. Corolla pale yellow-green, with brown veins, 5–7 × 4–5 cm, tube 8–10 mm; lobes oblong-spatulate, 4–6 cm, apex obtuse. Filaments 1.2–1.4 cm; anthers 1–1.2 cm. Style 1.5–1.8 cm; stigma lobes ellipsoid. Capsules ovoid-ellipsoid, 5–6 cm. Seeds 2.2–2.5 mm; seed coat longitudinally rugose. Fl. and fr. Jun-Sep.

Beside streams, meadows, scrub, forest margins; 3000–4400 m. S. Sichuan, SE Xizang, NW Yunnan [Bhutan, NE India, Nepal, Sikkim].

2. *Megacodon venosus* (Hemsley) Harry Smith in S. Nilsson, Grana Palynol. 7(1): 145. 1967.

川东大钟花 chuan dong da zhong hua

Gentiana venosa Hemsley in F. B. Forbes & Hemsley, J. Linn. Soc., Bot. 26: 137. 1890.

Plants 45–85(–180) cm tall. Basal leaf blades ovate-lanceolate to ovate, 2–5 × 1–1.5 cm. Middle to upper stem leaf apex acuminate to obtuse, veins 5–7 and arcuate; middle stem leaf blades elliptic-lanceolate, 10–30 × 3–6 cm; upper stem leaf blades linear-lanceolate, 5–7 × 0.7–1.2 cm, smaller toward apex. Thyrses 7–11-flowered. Pedicel 2.5–6 cm. Calyx campanulate, 2.7–3.2 cm, tube 2–3 mm; lobes elliptic-lanceolate, 2.5–3 cm, margin narrowly membranous, apex acuminate, veins 3–5. Corolla white or pale yellow, with brown veins, 5–6 × 6–7.5 cm, tube 8–10 mm; lobes oblong-spatulate, 4–5 cm, base slightly contracted, apex rounded. Filaments 1.3–1.5 cm; anthers 7–10 mm. Style cylindrical, 4.5–

5.5 mm; stigma lobes ovate-orbicular. Immature capsule ovoid-ellipsoid, 1.5–1.8 cm. Seed coat reticulate and warty. Fl. and fr. Sep-Oct.

• Gravel hillsides, scrub, meadows; 600–3000 m. W Hubei, E Sichuan.

