

8. STYLOPHORUM Nuttall, Gen. N. Amer. Pl. 2: 7. 1818.

金罌粟屬 *jin ying su shu*

Zhang Mingli (张明理); Christopher Grey-Wilson

Herbs, perennial, yellow or orange lactiferous, rather brittle. Stems 1(–3), erect, terete, striate, pubescent or glabrous. Basal leaves few, long petiolate; blade pinnatifid or pinnatisect; lobes deeply undulate or irregularly serrate. Cauline leaves 2–7, shortly petiolate, apical 2 leaves (rarely 3) almost opposite, or almost terminal from peduncle bottom, shortly petiolate or sessile; blade like basal leaves. Flowers in corymb or umbel, pedunculate, bracteate. Sepals 2, caducous, broadly ovate, villous. Petals 4, yellow, suborbicular, imbricately arranged. Stamens many (20 or more); filaments filiform; anthers oblong or linear-oblong, 2-celled, longitudinally divided. Ovary ovoid or terete, pubescent, 1-loculed, 2–4-carpellate; ovules many; styles terete; stigmas capitate, 2–4-lobed, lobes alternate with placentas. Capsule narrowly ovoid or narrowly oblong, pubescent, 2–4-valvate from apex to base, with many seeds. Seeds small, tessellate, cristately carunculate.

Three species: China, one in North America (Atlantic coast); two species (both endemic) in China.

- 1a. Plant yellow lactiferous, villous; cauline leaves 4–7; stigma lobes small; capsules oblong, 2.5–3.5 cm, densely brown curved villous 1. *S. sutchuenense*
- 1b. Plant orange-red lactiferous, glabrous; cauline leaves 2 or 3; stigma lobes large, almost flat; capsules narrowly terete, 5–8 cm, pubescent 2. *S. lasiocarpum*

1. *Stylophorum sutchuenense* (Franchet) Fedde in Engler, Bot. Jahrb. Syst. 36(Beibl. 82): 45. 1905 [“*sutchuense*”].

四川金罌粟 *si chuan jin ying su*

Chelidonium sutchuenense Franchet, J. Bot. (Morot) 8: 293. 1894; *Hylomecon sutchuenensis* (Franchet) Diels.

Herbs, 30–60 cm tall, yellow lactiferous. Roots and stems black-brown. Stems erect or ascending, usually simple, leafy in lower part, crisped-pubescent. Basal leaves several; petiole 10–15 cm, hazel crisped-pubescent; blade white-glaucous abaxially, green adaxially, narrowly obovate or oblanceolate, 10–25 × 4–10 cm, abaxially crisped-pubescent on veins (especially midvein), adaxially glabrous, pinnatifid or pinnatisect; lobes 4–8 pairs, distant, ovate-lanceolate or oblong, 2–5 × 1–2 cm, lower lobes smaller, margin irregularly deeply crenate, apically obtuse. Cauline leaves 4–7, alternate, shortly petiolate, apical 2 leaves almost opposite, nearly sessile, others similar to basal leaves. Flowers several, forming terminal pseudo-corymbs. Pedicel 5–7 cm. Bracts lanceolate, 2–4 mm. Flower buds obovoid or suborbicular, 4–5 mm in diam. Sepals ovate, 5–7 mm, outside sparsely villous, apex acuminate. Petals yellow, obovate, 1–2 × 1–1.5 cm. Filaments 5–6 mm; anthers linear, ca. 1.5 mm. Ovary terete, densely white villous; styles 4–5 mm; stigmas 2-lobed, lobes small. Capsule oblong, 2.5–3.5 cm × 5–6 mm, densely crisped-pubescent. Seeds many, black-brown, ovoid or suborbicular, ca. 1 mm, tessellate, tuberculate, one lateral cristately carunculate. Fl. Apr–May, fr. May–Jul.

• Shaded moist areas in woodlands, ravines; 1100–1700 m. Chongqing, Gansu, Shaanxi, NE Sichuan.

2. *Stylophorum lasiocarpum* (Oliver) Fedde in Engler, Pflanzenz. 40(IV.104): 209. 1909.

金罌粟 *jin ying su*

Chelidonium lasiocarpum Oliver, Hooker’s Icon. Pl. 18: t. 1739. 1888; *Hylomecon lasiocarpa* (Oliver) Diels.

Herbs, biennial or short-lived perennial, 30–50(–100) cm tall, orange-red lactiferous. Stems erect, usually simple, glabrous. Basal leaves several in a lax rosette, glabrous; petiole 7–10 cm, glabrous; blade glaucous abaxially, green adaxially, narrowly obovate, 13–25 cm, with a large pinnatifid terminal lobe; lateral lobes 4–7 pairs, distant, ovate-oblong, 3–5 cm, margin irregularly serrate or crenate; basal lobes smaller; apical lobes broadly ovate, 7–10 × 5–7 cm. Cauline leaves 2 or 3 from upper stem, almost opposite or whorled, similar to lower leaves but shortly petiolate. Flowers 4–7, in an umbel-like cluster, opening in succession. Bracts narrowly ovate, 1–1.5 cm, apex acuminate. Pedicel 5–15 cm. Sepals ovate, ca. 1 cm, outside pubescent, apex acute. Petals yellow, obovate-orbicular, 16–20 mm. Stamens ca. 1.2 cm; anthers oblong, ca. 1.5 mm. Ovary terete, ca. 1.2 cm, spreading pubescent; styles ca. 3 mm; stigmas 2-lobed, lobes large and almost flat. Capsule narrowly terete, 5–8 cm × ca. 5 mm, pubescent. Seeds many, oval, ca. 1 mm, tessellate, cristately carunculate. Fl. Apr–Aug, fr. Jun–Sep.

• Forest understories, glades, ditch sides; 600–1800 m. W Hubei, S Shaanxi, E Sichuan.

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