

16. LEPISTEMON Blume, Bijdr. 722. 1825.

鳞蕊藤属 *lin rui teng shu*

Lepidostemon Hasskarl; *Nemodon* Griffith.

Herbs or woody twiners, usually pubescent. Leaves petiolate, ovate to circular, herbaceous, base cordate, margin entire or 3–5-lobed. Inflorescences axillary, dense, sessile or short-peduncled, ± umbellate cymes; bracts early deciduous, small. Sepals subequal, herbaceous or ± leathery, pubescent or glabrous, apex acute or obtuse. Corolla urceolate; limb shallowly 5-lobed, midpetaline bands pubescent outside. Stamens included; filaments inserted near base of corolla, dilated basally into a large concave scale that arches over ovary; anthers narrowly elliptic to linear; pollen globular, pantoporate, finely spiny. Disc cupular and ± 5-lobed or ringlike. Pistil included; ovary glabrous or pubescent, 2-loculed; ovules 2 per locule. Style 1, very short; stigmas 2, capitate. Capsule globose, 4-valved. Seeds 4 or less, glabrous or puberulent.

About ten species: Africa, Asia, Australia; two species in China.

- 1a. Sepals lanceolate, 5–7.5 mm, attenuate acuminate, abaxially hirsute with ± erect yellowish hairs; leaves entire to shallowly 3–7-lobed 1. *L. binectariferum*
- 1b. Sepals ovate or ovate-lanceolate, 2.5–3 mm, obtuse or acute, abaxially sparsely appressed pilose with whitish gray hairs or subglabrous; leaves ± deeply 3–7-lobed 2. *L. lobatum*

1. *Lepistemon binectariferum* (Wallich) Kuntze, Rev. Gen. Pl. 1: 446. 1891.

鳞蕊藤 *lin rui teng*

Herbs twining, 1–3 m tall. Stems densely brown pilose, with spreading or retrorse hairs. Petiole 3–16 cm, pilose; leaf blade cordate-ovate, 5–18 × 5–15 cm, base deeply cordate, margin entire, angulate, or shallowly 3–7-lobed; lobes acute or acuminate, appressed pilose; young leaves tomentose. Cymes axillary, few to many flowered; peduncle short or absent. Pedicel ca. 7 mm, glabrous or pilose. Sepals lanceolate, subequal or inner shorter, 5–7.5 mm, slightly enlarged in fruit or not, herbaceous, hirsute abaxially, attenuate acuminate. Corolla white or yellowish white, urceolate, 1.2–1.5 cm; tube inflated basally, contracted apically, upper part of tube and midpetaline bands pubescent outside; limb spreading, shortly 5-lobed; scales at filament bases concave, papillose abaxially. Disc 5-lobed. Ovary glabrous or pubescent. Capsule globose to ovoid, 6–8 mm, apiculate. Seeds 4 or fewer, black, ovoid, 3–4 mm. Fl. Dec-Jan, fr. Jan.

Four varieties: China, NE India, throughout SE Asia, W Pacific; two varieties in China.

- 1a. Sepals abaxially with long erect yellowish hairs; ovary glabrous; seeds glabrous 1a. var. *binectariferum*
- 1b. Sepals abaxially with much shorter, less erect grayish hairs; ovary pubescent; seeds puberulent 1b. var. *trichocarpum*

1a. *Lepistemon binectariferum* var. *binectariferum*

鳞蕊藤 (原变种) *lin rui teng* (*yuan bian zhong*)

Convolvulus binectariferus Wallich in Roxburgh, Fl. Ind. 2: 47. 1824; *C. cephalanthus* Wallich; *C. flavescens* (Blume) D. Dietrich; *Ipomoea wallichii* (Choisy) Steudel; *Lepistemon flavescens* Blume; *L. wallichii* Choisy; *Vallis controversa* Sprengel.

Sepals hirsute abaxially with ± erect, yellowish hairs. Ovary glabrous. Seeds glabrous.

Forests. Hainan [Cambodia, India, Indonesia, Laos, Malaysia, Myanmar, Thailand, Vietnam].

1b. *Lepistemon binectariferum* var. *trichocarpum* (Gagnepain) van Ooststroom, Blumea 5: 343. 1943.

毛果鳞蕊藤 *mao guo lin rui teng*

Lepistemon trichocarpum Gagnepain, Notul. Syst. (Paris) 3: 152. 1915; *Lepistemon obscurum* (Blanco) Merrill; ?*Polemonium obscurum* Blanco.

Sepals with much shorter, less erect, grayish hairs abaxially. Ovary pubescent. Seeds puberulent.

Hainan, Taiwan (Lanyu Island) [Indonesia, Japan (S Ryukyu Island), Philippines; Pacific Islands].

2. *Lepistemon lobatum* Pilger in Diels, Notizbl. Bot. Gart. Berlin-Dahlem 9: 1029. 1926.

裂叶鳞蕊藤 *lie ye lin rui teng*

Herbs twining, with ± whitish gray hirsute axial parts. Petiole 5–10 cm; leaf blade broadly ovate-cordate, 5–8 × 4–8(–10) cm, ± pilose to glabrous, base deeply cordate, margin sinuately 3–5-lobed distally, apex obtuse or apiculate. Cymes many flowered; peduncle ca. 1 cm. Pedicel slender. Sepals ovate or ovate-lanceolate, 2.5–3 mm, sparsely pilose to subglabrous abaxially, apex obtuse or acute. Corolla whitish green, 1.8–2.2 cm; tube inflated, slightly contracted distally; limb 1.5–1.8 cm in diam., margin subentire. Stamens included in tube; filaments filiform, ca. 3 mm; basal scales ovate-lanceolate or ovate-elliptic, ca. 2.5 × 3.5 mm, papillose-pilose abaxially; anthers ca. 2 mm. Disc ringlike, ca. 1 mm high. Style 1.5–2 mm; stigmas globose-capitate, papillose. Capsule with persistent calyx, ovoid, 6–7 mm high, glabrous. Seeds 4, dark brown, subovoid, ca. 4 mm, sparsely pale yellowish villous. Fl. Jul-Sep, fr. Aug-Sep.

- Valley forests, streamsides. Fujian, Guangdong, Guangxi,

Hainan, Zhejiang.

