

6. **YPSILANDRA** Franchet, *Nouv. Arch. Mus. Hist. Nat.*, sér. 2, 10: 93. 1887.

丫蕊花属 ya rui hua shu

Chen Xinqi (陈心启 Chen Sing-chi); Minoru N. Tamura

Herbs perennial, with a short, thickened, slightly fleshy rhizome, glabrous. Leaves basal, rosulate, linear to lanceolate or oblanceolate, or spatulate, basally gradually narrowed to a petiole. Scape arising from axils of lateral leaves, erect, simple, with several to many scaly leaves. Inflorescence a terminal raceme, 2–30-flowered; bract absent. Flowers bisexual, usually nodding at anthesis, ascending in fruit, spreading funnelform. Tepals 6, free, with a nectary gland basally on adaxial side, persistent. Stamens 6, rather long, free from tepals, inner ones basally adnate to ovary, outer ones free; anthers usually reniform, basifixed, with confluent locules. Ovary superior, 3-lobed, 3-loculed; ovules many per locule. Style 1, very short to long; stigma capitate to 3-cleft. Fruit a capsule, trigonous, 3-lobed apically, loculicidal. Seeds numerous, narrowly fusiform, both ends caudate.

Five species: Bhutan, China, Myanmar, Nepal; five species (three endemic) in China.

- 1a. Stamens and style not extending beyond tepals at anthesis; stigma shortly or deeply 3-lobed (lobes 0.3–0.8 mm).
  - 2a. Stigma deeply 3-lobed (lobes ca. 0.8 mm); style 1–1.5 mm; tepals 4–5 mm, spatulate or oblanceolate to elliptic, shorter than capsule; flowers 5–17 per scape ..... 4. *Y. yunnanensis*
  - 2b. Stigma shortly to moderately 3-lobed (lobes 0.3–0.5 mm); style 2.5–6 mm; tepals 7–12 mm, linear to linear-lanceolate, longer than capsule; flowers 2–6 per scape ..... 5. *Y. alpina*
- 1b. Stamens and style extending beyond tepals at anthesis; stigma capitate, slightly or scarcely 3-lobed.
  - 3a. Scape densely covered with many imbricate, scaly leaves; pedicel shorter than tepals ..... 2. *Y. kansuensis*
  - 3b. Scape laxly covered with several scaly leaves; pedicel equaling tepals.
    - 4a. Either pedicel or tepals 6–10 mm; stamens and style obviously extending beyond tepals at anthesis; ovary lobes 1/3–2/5 as long as ovary ..... 1. *Y. thibetica*
    - 4b. Either pedicel or tepals 4–6 mm; stamens and style slightly extending beyond tepals at anthesis; ovary lobes 1/5–1/4 as long as ovary ..... 3. *Y. cavaleriei*

1. ***Ypsilandra thibetica*** Franchet, *Nouv. Arch. Mus. Hist. Nat.*, sér. 2, 10: 94. 1887.

丫蕊花 ya rui hua

*Helonias thibetica* (Franchet) N. Tanaka; *Ypsilandra thibetica* var. *angustifolia* F. T. Wang & Tang.

Rhizome 1–5 × ca. 1 cm. Leaves usually more than 10, oblanceolate, basally gradually narrowed to a petiole; petiole 3–15 cm × 3–5 mm; leaf blade 4–14 × 1–4.8 cm, apex acuminate. Scape 7–50 cm, usually longer than basal leaves, laxly covered with several scaly leaves. Raceme 5–30-flowered. Pedicel 6–10 mm, nearly as long as tepals. Tepals white, pink, or purple, spatulate-oblanceolate, 6–10 × 1.5–2.5 mm, 3–5-veined. Stamens 1–1.8 cm, obviously extending beyond tepals at anthesis. Ovary deeply 3-lobed apically; lobes 1/3–2/5 as long as ovary. Style 1.6–2 cm, slightly longer than stamens; stigma capitate, slightly or scarcely 3-lobed. Capsule broadly ovoid, 1/2–2/3 as long as persistent tepals. Seeds 4–5 mm. Fl. Mar–Apr, fr. May–Jun.  $2n = 34^*$ .

• Forests, moist places on hillsides, shady slopes along valleys; 1300–2900 m. NE Guangxi, S Hunan, Sichuan.

2. ***Ypsilandra kansuensis*** R. N. Zhao & Z. X. Peng, *Acta Bot. Bor.-Occid. Sin.* 7: 57. 1987.

甘肃丫蕊花 gan su ya rui hua

Rhizome 1–2.5 × 0.4–1 cm. Leaves 8 or 9, linear to linear-oblanceolate, basally gradually narrowed to a petiole; petiole 2–7 cm × 3–4 mm; leaf blade 3–14 cm × 3–9 mm, apex acuminate. Scape 6–14 cm, usually slightly shorter than basal leaves, densely covered with many imbricate, scaly leaves ex-

cept on inflorescence. Raceme 5–13-flowered. Pedicel 3–6 mm, shorter than tepals. Tepals white, tinged purple basally, spatulate-oblanceolate, 7–10 × 2–3 mm. Stamens 7–11 mm, slightly extending beyond tepals at anthesis. Ovary 3-lobed apically. Style 0.9–1.3 cm, longer than stamens; stigma capitate, scarcely 3-lobed. Capsule deltoid-obovoid, ca. 1 cm across, much shorter than persistent tepals. Seeds 4–5 mm. Fl. Mar–Apr, fr. May–Jun.

• Hillsides; 2000–2100 m. S Gansu.

3. ***Ypsilandra cavaleriei*** H. Léveillé & Vaniot, *Mem. Pontif. Accad. Romana Nuovi Lincei* 23: 375. 1905.

小果丫蕊花 xiao guo ya rui hua

*Ypsilandra parviflora* F. T. Wang & Tang.

Leaves usually more than 10, oblanceolate, basally gradually narrowed to a petiole; petiole 5–12 cm × 2–4 mm; leaf blade 3–13 × 2–4.6 cm, apex acuminate. Scape usually slightly longer than basal leaves. Raceme 6–10-flowered. Pedicel 4–6 mm, nearly as long as tepals. Tepals white or pink, spatulate-oblanceolate, 4–5 × 1.5–2 mm, 3–5-veined. Stamens 5–6 mm, slightly extending beyond tepals at anthesis. Ovary slightly 3-lobed apically; lobes 1/5–1/4 as long as ovary. Style 6–7 mm, slightly longer than stamens; stigma capitate, slightly or scarcely 3-lobed. Capsule broadly ovoid, ca. 2/3 as long as persistent tepals. Seeds ca. 4 mm. Fl. Mar–Apr, fr. Apr–May.

• Shady places on slopes, hillsides along streams; 1000–1400 m. NW Guangdong, Guangxi, Guizhou, S Hunan.

4. ***Ypsilandra yunnanensis*** W. W. Smith & Jeffrey, *Notes Roy.*

Flora of China 24: 86–87. 2000.

Bot. Gard. Edinburgh 9: 143. 1916.

云南丫蕊花 yun nan ya rui hua

*Helonias yunnanensis* (W. W. Smith & Jeffrey) N. Tanaka;  
*Ypsilandra yunnanensis* var. *himalaica* H. Hara; *Y. yunnanensis*  
var. *micrantha* Handel-Mazzetti.

Rhizome rather short. Leaves 6 or 7, basally gradually narrowed to a petiole; petiole 0.7–4 cm × 3–5 mm; leaf blade spatulate, 2–9 × 1–3.5 cm, apex subacute. Scape 3–30(–40) cm, much longer than basal leaves. Raceme rather narrow, densely 5–17-flowered. Pedicel 2–3 mm. Tepals spatulate or oblanceolate to elliptic, 4–5 × 1–2 mm. Stamens 3–4 mm, not extending beyond tepals at anthesis or slightly so in fruit. Ovary slightly 3-lobed apically. Style 1–1.5 mm, not elongate in fruit; stigma deeply 3-lobed; lobes ca. 0.8 mm, recurved. Capsule broadly obovoid, slightly longer than persistent tepals. Seeds ca. 5 mm. Fl. Jun–Jul, fr. Aug–Oct.

*Rhododendron* forests, thicket margins, grassy slopes; 2700–4000(–4300) m. NE Xizang, NW Yunnan [Bhutan, Myanmar, Nepal].

**5. *Ypsilandra alpina*** F. T. Wang & Tang, Bull. Fan Mem. Inst. Biol. 7: 81. 1936.

高山丫蕊花 gao shan ya rui hua

*Helonias alpina* (F. T. Wang & Tang) N. Tanaka.

Leaves several, basally gradually narrowed to a petiole; petiole 3–4 cm; leaf blade lanceolate, 7–8 × 1–1.4 cm, apex acute. Scape 22–26 cm, much longer than basal leaves. Raceme rather narrow, 2–6-flowered. Pedicel 3–4 mm. Tepals yellow, linear to linear-lanceolate, 7–12 × 1.5–2 mm. Stamens 4–9 mm, shorter than tepals at anthesis. Ovary slightly 3-lobed apically. Style 2.5–6 mm; stigma shortly to moderately 3-lobed; lobes 0.3–0.5 mm. Capsule shorter than tepals. Fl. Jul–Oct.

Thicket margins, grasslands; 2000–4300 m. SE Xizang, NW Yunnan [Myanmar].

