
**Y蕊花** 亚蕊花属

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. 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, loculicidial. 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**


**小果丫蕊花**

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

Rhizome 1–5 × 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.


**甘肅丫蕊花**

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 except 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.


**小果丫蕊花**


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.

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.


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


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].