

19. AQUILEGIA Linnaeus, Sp. Pl. 1: 533. 1753.

耧斗菜属 *lou dou cai shu*

Fu Dezhi (傅德志); Orbélia R. Robinson

Herbs perennial. Stems numerous, erect. Basal leaves 1–3 × ternately compound, long petiolate; leaflets lobed or parted. Stem leaves similar to basal ones but smaller. Inflorescences cymose, umbelliform, or sometimes 1-flowered; bracts leaflike, not involucre. Flowers radially symmetric, bisexual. Sepals 5, spreading. Petals 5, erect to suberect, usually smaller than sepals, base usually prolonged into a spur. Stamens numerous; filaments linear-filiform, 1-veined. Staminodes ca. 7, membranous. Pistils (4) or 5(–10); style ca. 1/2 as long as ovary; ovules numerous. Follicles narrowly cylindrical, prominently veined; styles persistent. Seeds numerous, black, narrowly obovoid, smooth.

About 70 species: temperate regions of the N hemisphere; 13 species (four endemic) in China.

- 1a. Petal spur absent 1. *A. ecalcarata*
- 1b. Petal spur present.
 - 2a. Petal spur straight or basally slightly incurved.
 - 3a. Stem leaves usually absent; flowers suberect 3. *A. parviflora*
 - 3b. Stem leaves present; flowers pendulous.
 - 4a. Sepals blue to purple.
 - 5a. Sepals 2–3 cm; stamens shorter than petals; anthers black 2. *A. rockii*
 - 5b. Sepals 1.4–2.1 cm; stamens slightly longer than or nearly as long as petals; anthers yellow 4. *A. moorcroftiana*
 - 4b. Sepals white or yellowish green.
 - 6a. Sepals yellowish green, 0.7–1.5 cm; flowers 1.6–2 cm in diam. 5. *A. viridiflora*
 - 6b. Sepals white, 1.4–2 cm; flowers ca. 2.5 cm in diam. 6. *A. lactiflora*
 - 2b. Petal spur basally conspicuously incurved, hooked, or coiled.
 - 7a. Flowers 6–9 cm in diam.; sepals 3–4.5 cm; spur shorter than petal 13. *A. glandulosa*
 - 7b. Flowers 2.2–4.2 cm in diam.; sepals 1.5–3.1 cm; spur longer than petal (nearly as long as petal in *A. sibirica*).
 - 8a. Stem leaves absent or strongly reduced; pistils glabrous.
 - 9a. Stems sparsely spreading pubescent; sepal apex obtuse to rounded 11. *A. japonica*
 - 9b. Stems glabrous; sepal apex slightly acute 12. *A. sibirica*
 - 8b. Stem leaves present; pistils hairy.
 - 10a. Flowers ca. 2.2 cm in diam.; spur 1.2–1.5 cm; sepals abaxially glabrous 9. *A. incurvata*
 - 10b. Flowers 3–4 cm in diam.; spur 1.5–2 cm; sepals abaxially hairy.
 - 11a. Petals dark purple; spur base incurved to an angle of ca. 100° 10. *A. atrovinosa*
 - 11b. Petals purple or yellowish white; spur base incurved to an angle greater than 150°.
 - 12a. Sepals purple and petals yellowish white 7. *A. oxysepala*
 - 12b. Sepals and petals purple 8. *A. yabeana*

1. *Aquilegia ecalcarata* Maximowicz, Fl. Tang. 20. 1889.

无距耧斗菜 *wu ju lou dou cai*

Aquilegia ecalcarata f. *semicalcarata* (Schipczinski) Handel-Mazzetti; *Semiaquilegia ecalcarata* (Maximowicz) Sprague & Hutchinson; *S. ecalcarata* f. *semicalcarata* Schipczinski; *S. simulatrix* J. R. Drummond & Hutchinson.

Stems 1–4, 20–60(–80) cm tall, sparsely spreading pubescent, often apically branched. Basal leaves several, 2-ternate; petiole 7–15 cm; leaf blade abaxially sparsely pubescent or glabrous, adaxially glabrous; lateral leaflets obliquely ovate, unequally 2-parted; central leaflet broadly obovate to flabellate, 1.5–4 × 1.5–3.6 cm, 3-parted to 3-lobed and segments with 2 or 3 obtuse teeth. Stem leaves 1–3. Inflorescences cymose,

2–6-flowered. Flowers 1.5–2.8 cm in diam. Pedicel to 6 cm, pubescent. Sepals purple, narrowly ovate, 10–14 × 4–6 mm. Petals purple, suberect, oblong-elliptic, nearly as long as sepals; spur absent. Stamens ca. 1/2 as long as petals; anthers blackish, oblong. Staminodes linear, ca. 4 mm. Pistils 4 or 5, sparsely pilose or glabrous. Follicles 8–11 mm; persistent styles 3–5 mm. Seeds ca. 1.5 mm. Fl. May–Jun, fr. Jun–Aug.

• Sparse forests, scrub, grassy slopes, alongside roads; 1800–3500 m. Gansu, Guizhou, Henan, Hubei, Ningxia, Qinghai, Shaanxi, Sichuan, E Xizang.

2. *Aquilegia rockii* Munz, Gentes Herb. 7: 95. 1946.

直距耧斗菜 *zhi ju lou dou cai*

Stems 40–80 cm tall, basally sparsely pubescent, apically densely glandular pubescent and often branched. Basal leaves few, 2-ternate; petiole 8–22 cm;

leaf blade abaxially basally pubescent, adaxially subglabrous; lateral leaflets obliquely ovate, unequally 2-lobed to middle; central leaflet cuneate-obovate, 1.5–4.5 × 1.2–4.5 cm, 3-lobed. Stem leaves 2 or 3 or more. Inflorescences cymose, 1–3-flowered; bracts 3-parted. Flowers pendulous or in a ± 90° angle, 3.5–4 cm in diam. Pedicel to 12 cm, densely glandular pubescent. Sepals purple to blue, narrowly ovate, 2–3 × 0.7–0.9 cm. Petals purple to blue, suberect, oblong, 1–1.5 cm, apex rounded-truncate; spur 1.6–2 cm, pubescent, straight or basally slightly incurved. Stamens shorter than petals; anthers black, oblong, ca. 1 mm. Staminodes lanceolate, 6–7 mm. Pistils 5, erect, densely glandular hairy. Follicles 1.5–2.1 cm; persistent styles 5–7 mm. Seeds ca. 2 mm. Fl. Jun–Aug, fr. Jul–Sep.

• Mixed forests, alongside roads; 2500–3500 m. SW Sichuan, SE Xizang, NE Yunnan.

3. *Aquilegia parviflora* Ledebour, Mém. Acad. Imp. Sci. St. Pétersbourg Hist. Acad. 5: 544. 1815.

小花耧斗菜 xiao hua lou dou cai

Stems 15–45 cm tall, glabrous, unbranched or apically branched. Basal leaves few, 2-ternate; petiole 4–14 cm; leaf blade subleathery, abaxially sparsely pubescent or glabrous, adaxially glabrous; lateral leaflets usually sessile, obliquely obovate, unequally 2-lobed; central leaflet obovate to obovate-cuneate, 1.6–3.5 × 1.1–2.2 cm, 3-lobed and segments with 2 or 3 teeth. Stem leaves usually absent. Inflorescences cymose, 3–6-flowered; bracts parted. Flowers suberect, ca. 3 cm in diam. Pedicel 2–4 cm. Sepals spreading, bluish purple or seldom white, ovate, 1.2–2 × 0.9–1.2 cm. Petals bluish purple, suberect, broadly ovate, ca. 6 mm; spur 3–5 mm, straight or basally slightly bent. Stamens shorter than petals; anthers yellow, oblong. Staminodes narrowly elliptic, 5–6 mm. Pistils 5, glandular pubescent. Follicles 1.2–2.3 cm; persistent styles ca. 4 mm. Seeds ca. 2 mm. Fl. Jun.

Forests, margin of forests; 2500–3500 m. N Heilongjiang [Japan, Mongolia, Russia (E Siberia)].

4. *Aquilegia moorcroftiana* Wallich ex Royle, Ill. Bot. Himal. Mts. 1: 55. 1834.

腺毛耧斗菜 xian mao lou dou cai

Stems 20–40 cm tall, glandular pubescent. Basal leaves few, 2-ternate; petiole 6–10 cm; leaf blade abaxially sparsely pubescent to subglabrous, adaxially glabrous; lateral leaflets obliquely ovate, unequally 2-lobed; central leaflet broadly obovate to flabellate, 1.5–2 × 1.5–2.8 cm, 3-parted and segments with 2 or 3 obtuse teeth. Stem leaves several. Inflorescences cymose, 2- to several flowered; bracts linear, ca. 5 mm. Flowers usually pendulous, ca. 3.5 cm in diam. Pedicel 1.8–2.5 cm. Sepals blue to bluish purple, nearly spreading, narrowly ovate, 1.4–2.1 × 0.6–1 cm. Petals yellow to yellow tinged with blue, erect, broadly obovate, 1–1.3 cm; spur 1.3–1.9 cm, straight. Stamens slightly longer than or nearly as long as petals; anthers yellow, oblong, 1–1.5 mm. Staminodes lanceolate, 6–6.5 mm. Pistils 5

or 6, white villous. Follicles 1.6–2.4 cm; persistent styles 7–10 mm. Seeds ca. 1.7 mm. Fl. Jun–Jul, fr. Jul–Aug.

Shady places near rivers; ca. 3700 m. W Xizang (Zanda Xian) [NW India, Pakistan, Russia].

5. *Aquilegia viridiflora* Pallas, Acta Acad. Sci. Imp. Petrop. 3(2): 260. 1779.

耧斗菜 lou dou cai

Stems 15–50 cm tall, pubescent or densely glandular hairy, often apically branched. Basal leaves few, 2-ternate; petiole to 18 cm; leaf blade abaxially pubescent to subglabrous, adaxially glabrous; lateral leaflets obliquely obovate, unequally 2-lobed; central leaflet broadly obovate, 1.5–4 × 1–5 cm, 3-lobed and segments with 2 or 3 obtuse teeth. Stem leaves several.

Inflorescences cymose, 3–7-flowered; bracts 3-sect.

Flowers pendulous, 1.6–2 cm in diam. Pedicel 2–7 cm.

Sepals elliptic-ovate, 0.7–1.5 × 0.4–0.8 cm. Petals erect, obovate, nearly as long as sepals, apex subtruncate; spur 1.2–1.8 cm, straight or basally slightly incurved.

Stamens to 2 cm, exerted; anthers yellow, narrowly ellipsoid. Staminodes narrowly lanceolate, 7–8 mm.

Pistils 5, densely glandular hairy. Style as long as ovary or longer. Follicles ca. 1.5 cm; persistent styles 7–12 mm. Seeds ca. 2 mm, conspicuously striate. Fl. May–Jul, fr. Jul–Aug.

Forests, grassy slopes, valleys, wet places, by streams, rocky places by streams; 200–2400 m. Gansu, Hebei, Heilongjiang, Hubei, Jilin, Liaoning, Nei Mongol, Ningxia, E Qinghai, Shaanxi, Shandong, Shanxi [Japan, Mongolia, Russia (Siberia)].

1a. Sepals and petals yellowish green 5a. var. *viridiflora*

1b. Sepals and petals dark purple 5b. var. *atropurpurea*

5a. *Aquilegia viridiflora* var. *viridiflora*

耧斗菜(原变种) lou dou cai (yuan bian zhong)

Sepals and petals yellowish green.

Grassy slopes, wet places, by streams; 200–2400 m. Gansu, Hebei, Heilongjiang, Hubei, Jilin, Liaoning, Nei Mongol, Ningxia, Shaanxi, Shandong, Shanxi [Japan, Mongolia, Russia (Siberia)].

5b. *Aquilegia viridiflora* var. *atropurpurea* (Willdenow) Finet & Gagnepain, Bull. Soc. Bot. France 51: 413. 1904.

紫花耧斗菜 zi hua lou dou cai

Aquilegia atropurpurea Willdenow, Enum. Pl. 577.

1809; *A. viridiflora* f. *atropurpurea* (Willdenow)

Kitagawa.

Sepals and petals dark purple.

Forests, valleys, rocky places by streams. Hebei, S Liaoning, Nei Mongol, E Qinghai, E Shandong, Shanxi [Mongolia, Russia (Siberia)].

6. *Aquilegia lactiflora* Karelin & Kirilov, Bull. Soc. Imp. Naturalistes Moscou 1841: 374. 1841.

白花耧斗菜 bai hua lou dou cai

Stems 40–80 cm tall, pubescent or glandular pubescent, apically branched. Basal leaves 1- or 2-ternate; petiole to 20 cm; leaf blade abaxially pubescent, adaxially

subglabrous; lateral leaflets obliquely obovate, unequally 2-parted; central leaflet cuneate-obovate, 1–2 × 1–2 cm, 3-parted and segments with 1–3 obtuse teeth. Stem leaves 2 to several. Inflorescences cymose, 2- to several flowered; bracts linear, ca. 5 mm. Flowers pendulous, ca. 2.5 cm in diam. Pedicel 1.5–6 cm. Sepals white, lanceolate-oblong, 1.4–2 × ca. 0.5 cm, pubescent, apex acute. Petals white, sometimes tinged with yellow, suberect, cuneate-oblong, 7–10 mm, apex rounded; spur 1.5–2.2 cm, straight or basally slightly incurved. Stamens nearly as long as to slightly longer than petals; anthers yellow, oblong, 1–1.5 mm. Pistils 5 or 6, densely glandular hairy. Follicles 1.3–1.5 cm; persistent styles 6–7 mm. Fl. Jun–Aug.

Grassy slopes. NW Xinjiang [Kazakhstan, Russia].

7. *Aquilegia oxysepala* Trautvetter & C. A. Meyer, Fl. Ochot. 10. 1856.

尖萼耧斗菜 jian e lou dou cai

Stems 40–80 cm tall, subglabrous to sparsely pubescent, apically branched. Basal leaves several, 2-ternate; petiole 10–20 cm; leaf blade abaxially glabrous to subglabrous, adaxially glabrous; lateral leaflets obliquely obovate, unequally 2-lobed; central leaflet cuneate-obovate, 2–6 × 1.8–5 cm, 3-parted and segments with 2 or 3 obtuse teeth. Stem leaves several. Inflorescences cymose, 3–5-flowered; bracts 3-sect, apex obtuse. Flowers slightly pendulous, ca. 4 cm in diam. Pedicel 1–3 cm. Sepals purple, narrowly ovate, 1.6–3.1 × 0.8–1.2 cm, apex acute. Petals yellowish white, suberect, broadly oblong, 1–1.3 cm, apex subtruncate; spur 1.5–2 cm, basally incurved into a hook. Stamens nearly as long as petals; anthers black, oblong, 1.5–2 mm. Staminodes narrowly lanceolate, ca. 7 mm. Pistils 5, white pubescent. Follicles 1.2–3 cm; persistent styles 3–10 mm. Seeds ca. 2 mm. Fl. May–Jun, fr. Jul–Aug.

Forest margins, grassy slopes; 400–2700 m. Gansu, Guizhou, Hebei, Hubei, Heilongjiang, Jilin, Liaoning, Nei Mongol, S Ningxia, E Qinghai, S Shaanxi, Sichuan, N Yunnan [Korea, Russia (Far East)].

1a. Sepals 2.5–3.1 cm; follicles 2.5–3 cm 7a. var. *oxysepala*

1b. Sepals 1.6–2.5 cm; follicles 1.2–2 cm
..... 7b. var. *kansuensis*

7a. *Aquilegia oxysepala* var. *oxysepala*

尖萼耧斗菜(原变种) jian e lou dou cai (yuan bian zhong)

Aquilegia oxysepala f. *pallidiflora* Kitagawa; *A. vulgaris* Linnaeus var. *oxysepala* (Trautvetter & C. A. Meyer) Regel.

Sepals 2.5–3.1 cm; follicles 2.5–3 cm.

Forest margins, grassy slopes; 400–1000 m. Hebei, Heilongjiang, Jilin, Liaoning, Nei Mongol [Korea, Russia (Far East)].

7b. *Aquilegia oxysepala* var. *kansuensis* Brühl, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 61: 285. 1892.

甘肃耧斗菜 gan su lou dou cai

Sepals 1.6–2.5 cm; follicles 1.2–2 cm.

• Grassy slopes; 1300–2700 m. Gansu, Guizhou, S Ningxia, E Qinghai, S Shaanxi, Sichuan, N Yunnan.

8. *Aquilegia yabeana* Kitagawa, Rep. Exped. Manchoukuo, Sect. 4, 4: 81. 1936.

华北耧斗菜 hua bei lou dou cai

Aquilegia oxysepala Trautvetter & C. A. Meyer var. *yabeana* (Kitagawa) Munz; *A. yabeana* f. *luteola* S. H. Li & Y. H. Huang.

Stems 40–60 cm tall, sparsely pubescent or glandular hairy, apically branched. Basal leaves several, 1- or 2-ternate; petiole 8–25 cm; leaf blade abaxially sparsely pubescent, adaxially glabrous; lateral leaflets obliquely obovate, unequally 2-lobed; central leaflet rhombic-obovate to broadly rhombic, 2.5–5(–8.5) × 2.5–4(–5) cm, 3-lobed and toothed. Stem leaves several, long petiolate, 2-ternate lower on stem, ternate apically.

Inflorescences cymose, few flowered; bracts 3-lobed or undivided, narrowly oblong. Flowers ca. 4 cm in diam., densely glandular pubescent. Pedicel 1–6 cm. Sepals purple, narrowly ovate, (1.6–)2–2.6 × 0.7–1 cm. Petals purple, suberect, broadly oblong, 1.2–1.5 cm, apex rounded-truncate; spur 1.7–2 cm, sparsely pubescent, basally incurved into a hook. Stamens to 1.2 cm; anthers oblong. Staminodes ca. 5.5 mm. Pistils 5, densely glandular hairy. Follicles (1.2–)1.5–2 cm, conspicuously striate; persistent styles 5–7 mm. Seeds ca. 2 mm. Fl. May–Jun.

• Forest margins, grassy slopes. Hebei, Henan, Hubei, W Liaoning, Nei Mongol, S Shaanxi, Shanxi.

9. *Aquilegia incurvata* P. K. Hsiao in T. N. Ho & S. W. Liu, Fl. Tsinling, 1(2): 602. 1974.

秦岭耧斗菜 qin ling lou dou cai

Stems 40–60 cm tall, sparsely pubescent, apically branched. Basal leaves several, 2-ternate; petiole 4–10 cm; leaf blade glabrous or basally sparsely pilose; lateral leaflets obliquely obovate, 2-lobed; central leaflet rhombic-obovate, 1.2–3 × 1.1–2.4 cm. Stem leaves present. Inflorescences cymose, 2–5-flowered; bracts 3-parted. Flowers ca. 2.2 cm in diam. Pedicel 6–10 cm. Sepals purple, elliptic to ovate, 1.4–1.8 × ca. 1 cm, apex acute. Petals purple, suberect, oblong, 7–8 mm, glabrous, apex truncate; spur 1.2–1.5 cm, basally coiled. Stamens 5–9 mm; anthers oblong, ca. 1 mm. Staminodes lanceolate, ca. 5 mm, pilose or glandular hairy. Pistils 5, pubescent. Follicles 1.4–1.5 cm, glabrous; persistent styles 5–6 mm. Fl. May–Jun, fr. Jun–Jul.

• Grassy slopes, grassy places by streams; 1000–2000 m. S Gansu, S Shaanxi, NE Sichuan.

10. *Aquilegia atrovinosa* Popov ex Gamajuvova, Bot. Mater. Gerb. Inst. Bot. Akad. Nauk Kazakhsk. S.S.R. 2: 12. 1964.

暗紫耧斗菜 an zi lou dou cai

Stems 30–60(–90) cm tall, spreading pubescent, unbranched. Basal leaves few, 2-ternate; petiole 8–19 cm; leaf blade abaxially sparsely pubescent to subglabrous, adaxially glabrous; lateral leaflets obliquely obovate-cuneate, unequally 2-lobed; central leaflet obovate-

cuneate, 1.5–3.5 × 1.2–2.8 cm, 3-lobed and segments with 2 or 3 obtuse teeth. Stem leaves few.

Inflorescences cymose, 1–5-flowered; bracts linear-lanceolate, to 1.6 cm. Flowers 3–3.5 cm in diam. Pedicel 1.2–5 cm. Sepals dark purple, narrowly ovate, ca. 2.5 × 0.8–0.9 cm. Petals dark purple, suberect, broadly oblong, ca. 1.2 cm, apex subtruncate; spur ca. 1.5 cm, basally incurved. Stamens nearly as long as petals; anthers yellow, broadly ellipsoid, 1.5–2 mm. Staminodes ovate, ca. 5.5 mm. Pistils 5; ovary densely hairy. Follicles 1.5–2.5 cm; persistent styles ca. 5 mm. Fl. May–Jul.

Forests, along trails in valleys; 1800–3600. N Xinjiang [Kazakhstan].
11. *Aquilegia japonica* Nakai & H. Hara, Bot. Mag. (Tokyo) 49: 7. 1935.

白山耧斗菜 bai shan lou dou cai

Stems 15–40 cm tall, sparsely spreading pubescent, unbranched or apically branched. Leaves basal, few, 2-ternate; petiole 3.9–19 cm; leaf blade abaxially sparsely pubescent or glabrous, adaxially glabrous; lateral leaflets obliquely flabellate to obovate; central leaflet broadly obovate to flabellate, 0.9–2.4 × 1.3–3.3 cm, 3-lobed and segments with 2 or 3 obtuse teeth.

Inflorescences 1–3-flowered; bracts linear-lanceolate, 4–7 mm, 1–3-lobed. Flowers 3.5–4.2 cm in diam. Pedicel 1–2.5 cm. Sepals spreading, bluish purple, elliptic-obovate, 1.5–2.5 × 0.7–1.5 cm, apex obtuse to subrounded. Petals yellowish white or white, suberect, broadly oblong, 0.7–1.2 cm, apex obtuse; spur purple, 1–1.6 cm, basally incurved into a hook. Stamens as long as petals; anthers yellow or grayish, broadly ellipsoid, ca. 2 mm. Staminodes white, ca. 8 mm. Pistils 5, glabrous; ovary ca. 6 mm. Follicles 1.5–2.5 cm; persistent styles ca. 5 mm. Fl. Jul.

Grassy slopes; 1400–2500 m. S Heilongjiang, E Jilin [Japan, Korea].
12. *Aquilegia sibirica* Lamarck, Encycl. 1: 150. 1783.

西伯利亚耧斗菜 xi bo li ya lou dou cai

Stems 25–70 cm tall, glabrous, unbranched or seldom 1–3-branched. Leaves basal, few, ternate; petiole 5.5–20 cm; leaf blade abaxially glabrous or basally with a few hairs, adaxially glabrous; lateral leaflets orbicular-reniform, slightly oblique, unequally 2-parted; central leaflet orbicular-reniform, 1.2–3.5 × 1.5–5 cm, 3-parted to 3-sect and apically with 3 obtuse teeth.

Inflorescences 1–4-flowered; bracts 1–3. Flowers pendulous, ca. 4 cm in diam. Pedicel 1–5 cm. Sepals spreading, blue to purplish red, broadly ovate, 1.9–3 × 1–1.7 cm, apex slightly acute. Petals blue to purplish red, suberect, sometimes white, oblong, 0.9–1.3 cm, apex rounded; spur 0.6–1.2 cm, basally incurved. Stamens nearly as long as petals; anthers yellow, broadly ellipsoid, ca. 1.5 mm. Staminodes linear, ca. 9 mm. Pistils 5, erect, glabrous; ovary ca. 7 mm; styles ca. 3 mm. Fl. Jun–Jul.

Wet places by rivers; 1600–2000 m. Xinjiang [Kazakhstan, Mongolia, Russia (Siberia)].

13. *Aquilegia glandulosa* Fischer ex Link, Enum. Hort. Berol. 2(2): 84. 1822.

大花耧斗菜 da hua lou dou cai

Stems 20–40 cm tall, apically pubescent, unbranched or apically branched. Basal leaves few, (1-or)2-ternate; petiole 6–16 cm; leaf blade abaxially sparsely pubescent or glabrous, adaxially glabrous; lateral leaflets obliquely flabellate, unequally 2-parted; central leaflet orbicular-obovate to flabellate, 1.5–4 × 2–4 cm, 3-lobed and segments with 2 or 3 obtuse teeth. Stem leaves absent or 1. Inflorescences 1(–3)-flowered; bracts 1–3, lanceolate to oblong. Flowers 6–9 cm in diam. Pedicel 2–8 cm, densely covered with spreading white hairs. Sepals blue, spreading, ovate to oblong-ovate, 3–4.5 × 1.5–2.5 cm, apex acute or obtuse. Petals blue or white, suberect, orbicular-ovate, 1.5–2.5 × 1–1.5 cm, apex obtuse to rounded; spur 0.6–1.2 cm, basally conspicuously incurved. Stamens 5–10 cm; anthers blackish, narrowly ellipsoid. Staminodes linear, ca. 8 mm. Pistils 8–10, densely spreading villous. Follicles 2–3 cm; persistent styles 6–7 mm. Fl. Jun–Aug.

Coniferous forests, grassy slopes, by rivers in valleys; 1900–2700 m. Xinjiang [Mongolia, Russia (Siberia)].

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