

26. CYCLORHIZA M. L. Sheh & R. H. Shan, Acta Phytotax. Sin. 18: 45. 1980.

环根芹属 huan gen qin shu

She Menglan (佘孟兰 Sheh Meng-lan); Mark F. Watson

Herbs perennial, glabrous. Taproots stout, branched near stem into a cluster of several long, woody, carrot-like roots with prominent annular scars when old. Stem fistulose, erect, branched above, base clothed in purplish-brown remnant sheaths. Basal leaves petiolate, 4-pinnatisect; petiole narrowly sheathing at base; ultimate segments linear or linear-elliptic. Umbels loose, compound; peduncles terminal and lateral, stout, branching, mostly longer than leaves; bracts and bracteoles absent (bracts occasionally present, few); rays few to numerous. Calyx teeth minute, triangular. Petals yellow or greenish-yellow, irregular square, obovate suborbicular, median line dark, apex narrowly inflexed. Stylopodium broadly low-conic, disk crenulate; styles short, reflexed. Fruit ovoid or ellipsoid, slightly laterally compressed; mericarps subpentagonal in cross section; ribs 5, filiform, prominent, acute-ridged, almost narrowly winged; vittae 1 in each furrow, 2 on commissure. Seed face deeply sulcate or concave. Carpophore 2-cleft to base.

• Two species.

- 1a. Stem smooth; ultimate leaf segments 4–20 × 2–6 mm; seed face deeply sulcate 1. *C. waltonii*
- 1b. Stem striate; ultimate leaf segments 20–60 × 3–10 mm; seed face deeply concave 2. *C. peucedanifolia*

1. **Cyclorhiza waltonii** (H. Wolff) M. L. Sheh & R. H. Shan, Acta Phytotax. Sin. 18: 46. 1980.

环根芹 huan gen qin

Ligusticum waltonii H. Wolff, Repert. Spec. Nov. Regni Veg. 27: 317. 1930.

Plants 16–100 cm. Roots 8–18 × 0.8–2 cm. Stem smooth, lower parts deep purple. Leaves triangular-ovate in outline, 8–25 × 6–20 cm; petioles 10–23 cm; ultimate segments linear, 4–20 × 2–6 mm, glaucescent, petioles and margins occasionally squamose-pubescent. Umbels 3–16 cm across; peduncles stout; bracts absent; rays 4–14, 1–4 cm, unequal; umbellules 8–12-flowered; pedicels 4–8 mm, subequal. Fruit ellipsoid, ca. 4 × 2.5 mm, dark brown; ribs gray-yellow. Seed face deeply sulcate. Fl. Jul–Aug, fr. Sep–Oct.

• Open broad-leaved forests, scrub, alpine meadows; 2500–4600 m. W Sichuan, SE Xizang, NW Yunnan.

This species has reputed medicinal value.

2. **Cyclorhiza peucedanifolia** (Franchet) Constance, Edinburgh J. Bot. 54: 101. 1997.

南竹叶环根芹 nan zhu ye huan gen qin

Arracacia peucedanifolia Franchet, Bull. Soc. Philom. Paris, sér. 8, 6: 114. 1894; *Acronema edosmioides* (H. de Boissieu) Pimenov & Kljuykov; *Cenolophium chinense* M. Hiroe; *Cyclorhiza edosmioides* (H. de Boissieu) M. L. Sheh; *C. major* (M. L. Sheh & R. H. Shan) M. L. Sheh; *C. waltonii* (H. Wolff) M. L. Sheh & R. H. Shan var. *major* M. L. Sheh & R. H. Shan; *Pimpinella edosmioides* H. de Boissieu.

Plants 80–150 cm. Roots 5–15 × 0.6–1.5 cm. Stem striate, lower parts purple-brown. Leaves broadly ovate-triangular in outline, 15–25 × 12–20 cm; petiole 6–20 cm, stout; pinnae 5–6 pairs, remote; ultimate segments ovate-oblong to linear-lanceolate, 20–60 × 3–10 mm. Umbels 3–14 cm across; peduncles 5–18 cm, stout; bracts usually absent, occasionally 1–2, 2–5 mm, membranous; rays 5–15, 2–9 cm, unequal; umbellules 14–20-flowered; pedicels 5–14 mm, unequal. Petals ca. 1.5 × 1 mm. Fruit ovoid, 4–7 × 2–3.5 mm, chocolate-brown; ribs pale brown. Seed face deeply concave. Fl. Jul–Aug, fr. Sep–Oct.

• Alpine open mixed forests, bamboo thickets, scrub; 1800–3600 m. SW Sichuan (Muli), SE Xizang, NW Yunnan.

This species has reputed medicinal value.

