

58. EURYCARPUS Botschantzev, Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 17: 172. 1955.

宽果芥属 kuan guo jie shu

Herbs perennial, woolly or pilose; caudex slender, few branched. Trichomes simple, mixed with stalked, 1–3-forked ones. Stems erect, simple from rosette. Basal leaves petiolate, rosulate, simple, entire. Cauline leaves absent. Racemes several to many flowered, ebracteate, corymbose, elongated slightly in fruit. Fruiting pedicels slender, divaricate. Sepals oblong, caducous, base of lateral pair not saccate, margin membranous. Petals purple; blade spatulate, apex obtuse; claw subequalling sepals. Stamens 6, tetradynamous; filaments dilated at base; anthers oblong, obtuse at apex. Nectar glands confluent and subtending bases of all stamens; median glands present. Ovules 8–20 per ovary. Fruit dehiscent silicles, oblong, elliptic, ovate-oblong, or ovate-lanceolate, strongly latiseptate, sessile; valves obscurely veined, glabrous, smooth; replum rounded; septum complete or reduced to a rim, membranous, translucent; style to 0.5 mm, conical or subconical; stigma capitate, entire, minute. Seeds biseriate, wingless, oblong, plump or slightly flattened; seed coat minutely reticulate, not mucilaginous when wetted; cotyledons incumbent or accumbent.

Two species: China, Kashmir; two species (one endemic) in China.

1a. Leaves woolly; fruit oblong-ovate or ovate-lanceolate; septum reduced to a rim; cotyledons accumbent 1. *E. lanuginosus*

1b. Leaves pilose; fruit elliptic or oblong, rarely ovate-elliptic; septum complete; cotyledons incumbent 2. *E. marinellii*

1. *Eurycarpus lanuginosus* (J. D. Hooker & Thomson) Botschantzev, Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 17: 172. 1955.

绒毛宽果芥 rong mao kuan guo jie

Parrya lanuginosa J. D. Hooker & Thomson, J. Proc. Linn. Soc., Bot. 5: 136. 1861; *Christolea lanuginosa* (J. D. Hooker & Thomson) Ovczinnikov; *Draba lanjarica* O. E. Schulz; *Ermania lanuginosa* (J. D. Hooker & Thomson) O. E. Schulz.

Herbs 3–5 cm tall; caudex slender, few branched. Trichomes simple, to 1 mm, mixed with distinctly stalked, 1–3-forked ones. Stems densely villous. Basal leaves rosulate, fleshy; petiole 2–7 mm, persistent, becoming papery; leaf blade suborbicular, spatulate, or oblong-obovate, 5–10 × 2–6 mm, sublanate with forked trichomes, base cuneate, margin entire, apex obtuse or rounded. Cauline leaves absent. Racemes 8–15-flowered, ebracteate. Fruiting pedicels divaricate, straight, 4–7 mm, densely villous. Sepals oblong, 2–2.5 × 1–1.5 mm, pilose. Petals spatulate, ca. 5 × 2.5 mm, apex obtuse; claw ca. 2 mm. Median filament pairs ca. 3 mm, lateral pair ca. 2 mm; anthers oblong, ca. 0.6 mm. Ovules ca. 8 per ovary. Fruit oblong-ovate or ovate-lanceolate, 1.5–2.7 cm × 6–10 mm, strongly flattened; valves glabrous, smooth, with obscure midvein and marginal veins, obtuse at base, acute at apex; septum perforated, reduced to a rim; style 0.2–0.4 mm; stigma minute, entire. Seeds biseriate, narrowly oblong, flattened, 2–2.5 × 1–1.3 mm; cotyledons accumbent.

• Slopes; 5100–5300 m. Xizang.

2. *Eurycarpus marinellii* (Pampanini) Al-Shehbaz & G. Yang, Novon 10: 347. 2000.

马氏宽果芥 ma shi kuan guo jie

Braya marinellii Pampanini, Boll. Soc. Bot. Ital. 1915: 29. 1915; *Christolea longmucoensis* Y. H. Wu & Z. X. An.

Herbs 3–10 cm tall, pilose; caudex slender, few branched. Trichomes simple, to 1 mm, mixed with distinctly stalked 1-forked ones. Stems pilose. Basal leaves rosulate, subfleshy; petiole (1–)3–10(–14) mm, persistent, becoming papery; leaf blade spatulate, oblanceolate, or rarely obovate, (2–)3–12(–15) × (1–)2–8 mm, pilose with simple and forked stalked trichomes, base cuneate, margin entire, apex obtuse or rounded. Cauline leaves absent. Racemes (5–)10–22-flowered, ebracteate. Fruiting pedicels divaricate, straight, 4–8(–10) mm, pilose. Sepals oblong, 2.2–3 × 1–1.5 mm, sparsely pilose. Petals purplish, spatulate, 5–6 × 2–2.5 mm, apex obtuse; claw ca. 2 mm. Median filament pairs 2.5–3.5 mm, lateral pair 1.5–2.5 mm; anthers oblong, 0.5–0.6 mm. Ovules 12–20 per ovary. Fruit elliptic or oblong, rarely ovate-elliptic, (0.7–)1–1.7(–2) cm × 5–7 mm, strongly flattened; valves often purplish, glabrous, smooth, with obscure midvein and marginal veins, subacute at both ends; septum complete; style 0.2–0.5 mm; stigma minute, entire. Seeds biseriate, narrowly oblong, not flattened, 2–2.5 × 0.8–0.9 mm; cotyledons incumbent.

Alpine areas; 5300–5700 m. Xizang [Kashmir].

