

**69. DIPTYCHOCARPUS** Trautvetter, Bull. Soc. Imp. Naturalistes Moscou 33(1): 108. 1860.  
异果芥属 yi guo jie shu

*Alloceratium* J. D. Hooker & Thomson; *Orthorrhiza* Stapf.

Herbs annual. Trichomes eglandular, simple, mixed with glandular ones. Stems erect, simple basally, often branched above. Basal leaves petiolate, not rosulate, sinuate-dentate, dentate, or rarely pinnatisect. Cauline leaves similar to basal ones, uppermost entire, sessile. Racemes few flowered, ebracteate, elongated in fruit. Fruiting pedicels thickened, ascending or subdivaricate. Sepals oblong-linear, connivent, erect, base of lateral pair saccate. Petals purple or whitish, longer than sepals; blade linear-oblongate, apex obtuse; claw obscurely differentiated from blade. Stamens 6, erect, tetradynamous; filaments not dilated at base; anthers ovate, obtuse at apex. Nectar glands 4, lateral, 1 on each side of lateral stamen; median glands absent. Ovules 10–40 per ovary. Fruit dimorphic siliques, linear, sessile, torulose, glabrous; lowermost fruit indehiscent, terete, corky, breaking into 1-seeded units; upper fruit dehiscent, latiseptate, with obscurely veined leathery valves; replum rounded; septum corky in lower fruit, opaque, complete, and veinless in upper ones; style to 8 mm, stout, cylindrical or subconical; stigma capitate, 2-lobed, lobes connivent. Seeds uniseriate, broadly winged, oblong or orbicular, strongly flattened; seed coat smooth, not mucilaginous when wetted; cotyledons accumbent.

One species: C and SW Asia, SE Europe.

**1. *Diptychocarpus strictus*** (Fischer ex Marschall von Bieberstein) Trautvetter, Bull. Soc. Imp. Naturalistes Moscou 33(1): 108. 1860.

异果芥 yi guo jie

*Raphanus strictus* Fischer ex Marschall von Bieberstein, Fl. Taur.-Caucas. 3: 452. 1819–1820; *Alloceratium strictum* (Fischer ex Marschall von Bieberstein) J. D. Hooker & Thomson; *Chorispota stenopetala* Regel & Schmalhausen; *C. stricta* (Fischer ex Marschall von Bieberstein) de Candolle; *Matthiola fischeri* Ledebour; *Orthorrhiza persica* Stapf.

Herbs annual, (8–)15–40(–50) cm tall, with multicellular glandular trichomes to 0.1 mm, these sometimes mixed with simple ones to 3 mm. Stems erect, branched above. Basal leaves often withered by flowering; petiole 3–15 mm; leaf blade lanceolate to linear-lanceolate, 2.5–5 cm × 3–10 mm, densely glandular, sparsely pilose or glabrous, base cuneate or attenuate, margin sinuate-dentate, dentate, or rarely pinnatifid, apex acute. Cauline leaves similar to basal ones, progressively narrower upward, becoming linear or filiform, sessile, entire. Fruiting pedicels (2–)3–5(–8) mm. Sepals 4–5 × ca. 1 mm. Petals purple or whitish, oblongate, 7–10 × 0.5–1.2 mm; claw 3.5–5 mm. Filaments 3–6 mm; anthers ovate, ca. 0.5 mm. Fruit linear, dimorphic, 2–3.5 mm wide; lowermost fruit terete, 2.5–4.5(–6) cm, corky, indehiscent; upper fruit flattened, (4–)5–8 cm, leathery, dehiscent; style (2.5–)3–8 mm, longer on upper fruit. Seeds brown, oblong or suborbicular, 2.5–4 × 2–2.5 mm; wing 0.3–1 mm. Fl. Apr–Jun, fr. May–Aug.  $2n = 14$ .

Steppe, hillsides, wastelands; 500–1000 m. Gansu, Nei Mongol, Xinjiang [Afghanistan, Kazakstan, Kyrgyzstan, Pakistan, Russia, Tajikistan, Turkmenistan, Uzbekistan; SW Asia, SE Europe].

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