

85. PYCNOPLINTHUS O. E. Schulz in Engler, Pflanzenr. 86(IV. 105): 198. 1924.

簇芥属 cu jie shu

Herbs perennial, caespitose, scapose, pulvinate; caudex simple or many branched. Trichomes absent. Stems reduced to tiny portions added annually to caudex apex. Basal leaves petiolate, somewhat fleshy, rosulate; petiole persistent, subcorky; leaf blade simple, entire. Cauline leaves absent. Flowers solitary borne on long pedicels originating from center of rosette. Fruiting pedicels slender, terete, ascending, straight or reflexed. Sepals united into campanulate calyx, persistent, not saccate; lobes ovate or deltoid. Petals white or pink, longer than sepals; blade broadly obovate, rounded at apex; claw nearly as long as calyx. Stamens 6, tetradynamous; filaments not dilated at base; anthers oblong, obtuse at apex. Nectar glands 4, lateral, 1 on each side of lateral stamen, or 2, semiannular, intrastaminal; median glands absent. Ovules 6–12 per ovary. Fruit dehiscent siliques, oblong or linear, latiseptate, sessile; valves papery, navicular, smooth, with a prominent midvein and marginal veins; replum rounded; septum complete, membranous, with a central band and two longitudinal veins; style less than 1 mm; stigma capitate, entire. Seeds uniseriate, wingless, oblong, plump; seed coat obscurely reticulate, not mucilaginous when wetted; cotyledons incumbent.

One species: China, Kashmir.

1. *Pycnoplinthus uniflora* (J. D. Hooker & Thomson) O. E. Schulz in Engler, Pflanzenr. 86(IV. 105): 199. 1924.

簇芥 cu jie

Braya uniflora J. D. Hooker & Thomson, J. Proc. Linn. Soc., Bot. 5: 168. 1861; *Hesperis uniflora* (J. D. Hooker & Thomson) Kuntze; *Sisymbrium uniflorum* (J. D. Hooker & Thomson) Fournier.

Herbs with slender to stout, apically branched or rarely unbranched caudex to 1.5 cm in diam., glabrous throughout. Petiole (0.3–)0.6–1.7(–2.5) cm, expanded at base, to 4 mm wide, persistent, stramineous, covering caudex and its branches; leaf blade linear, linear-oblongate, or linear-lanceolate, rarely oblanceolate, (0.5–)1–2(–2.5) cm × (0.5–)1–2.5 mm, somewhat fleshy, base subattenuate, margin entire, apex obtuse or acute. Fruiting pedicels slender, 1.5–3.5(–4) cm, ascending or strongly recurved, longer than leaves. Calyx 3–4 mm; lobes deltoid-ovate, 1–1.5 × 1–1.5 mm, subacute. Petals white or pink, obovate, 6–8 × 1.8–2.2 mm, apex rounded; claw 2.5–4 mm. Filaments slender, median pairs 2.5–3.5 mm, lateral pair 2–2.5 mm; anthers oblong, 0.6–1.1 mm. Fruit linear or narrowly oblong, (4–)7–11(–13) × 1.5–2.5(–3) mm; valves prominently veined, papery; style 0.3–0.6(–1) mm. Seeds oblong, light brown, 1.2–1.7 × 0.6–1 mm. Fl. Jun–Jul, fr. Jul–Aug.

Wet places, sandy river beds, sandy areas among gravel, wet grassy areas; 3600–5200 m. Gansu, Qinghai, Xinjiang, Xizang [Kashmir].

