

89. NOSEMA Prain, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 73: 20. 1904.

龙船草属 long chuan cao shu

Herbs. Leaves entire or serrulate. Verticillasters many flowered, approximate, in terminal capitula or spikes; bracts shorter than verticillasters. Calyxovoid in flower, tubular in fruit, 10-veined, 2-lipped; upper lip wide, oblong, margin entire or sometimes indistinctly minutely 1-dentate on each side; lower lip subcircular, margin entire, 1/4–1/3 as long as upper lip. Corolla tube dilated at throat, limb 2-lipped, upper lip short 3-lobed; lower lip oblong, margin entire, navicular. Stamens 4, exserted; filaments free, posterior 2 1-dentate at base; anthers 1-locellate. Style apex unequally 2-cleft. Nutlets oblong or ovoid, smooth.

About six species: mainly SE Asia, one species in China.

1. *Nosema cochinchinensis* (Loureiro) Merrill, Trans. Amer. Philos. Soc. 24: 343. 1935.

龙船草 long chuan cao

Dracocephalum cochinchinensis Loureiro, Fl. Cochinch. 2: 371. 1790; *Anisochilus sinensis* Hance; *Geniosporum holocheilum* Hance; *Mesona prunnelloides* Hemsley; *Nosema holocheilum* (Hance) Kudô; *N. prunnelloides* (Hemsley) C. B. Clarke ex Prain.

Herbs. Stems erect or suberect, 8–80 cm, densely appressed or ± patent villous. Petiole less than 1 cm; leaf blade oblong, elliptic to ovate-oblong, 1.5–7 × 0.8–2.5 cm, densely appressed villous, base rounded to cuneate, margin obscurely serrulate or crenulate to subentire, apex obtuse to acute. Verticillasters in dense, terminal, villous capitula or spikes 1–10(–18) cm; bracts sessile, broadly ovate or subrhombic-ovate, shorter than all but basal verticillasters. Calyx 3–3.5 mm in flower, to 6.5 mm in fruit, densely brownish lanate, upper lip broadly oblong. Corolla blue, purple, or reddish, villous, throat sparsely puberulent, tube dilated, lower lip narrow. Anterior stamens longer; filaments bearded. Nutlets dark brown, oblong, smooth. Fl. Oct-Feb.

Hills, valleys; 100–1000 m. Guangdong, Guangxi, Hainan [Indonesia, Thailand, Vietnam].

Used medicinally.

