

**17. GASTROCOTYLE** Bunge, Mém. Acad. Imp. Sci. Saint Pétersbourg  
Ser. 6, Sci. Math., Seconde Pt. 7: 405. 1854.

腹脐草属 fu qi cao shu

Herbs short strigose, bristly. Leaves alternate, sessile, margin obtusely incised-dentate or undulate. Flowers solitary in leaf axils, short pedicellate or ± sessile. Calyx 5-parted nearly to base; lobes stellate spreading. Corolla 5-parted; tube ca. 2 × as long as lobes; throat with 5 scaly pilose appendages; limb divided; lobes spreading, overlapping in bud. Stamens included, below appendages. Ovary 4-divided. Stigma subcapitate. Nutlets erect, fissured-wrinkled, densely tuberculate; attachment scar adaxial, oblong, margin thickened.

Two species: Afghanistan, India, Pakistan, SW Asia; one species in China.

**1. Gastrocotyle hispida** (Forsskål) Bunge, Mém. Acad. Imp. Sci. Saint Pétersbourg Ser. 6, Sci. Math., Seconde Pt. 7: 405. 1854.

腹脐草 fu qi cao

*Anchusa hispida* Forsskål, Fl. Aegypt.-Arab. 40. 1775.

Herbs annual, gray-white, ca. 40 cm tall, strigose, hispid, hairs discoid at base. Stems branched from base; branches spreading, evidently striate. Leaf blade narrowly oblong to lanceolate-oblong, 1–2 cm × 4–8 mm, slightly fleshy, short strigose, sparsely bristly, base rounded to broadly cuneate, rarely cordate, margin angular-dentate, sometimes subundulate, apex obtuse. Pedicel 1.5–2 mm. Calyx 1.5–2.5 mm, to 3.5 mm after anthesis, densely bristly outside and short strigose inside; lobes lanceolate. Corolla blue or purple, tubular, ca. 3 mm wide at limb, ca. 1 mm wide at base, ca. 1.5 mm wide at throat, densely short strigose outside, glabrous inside; appendages trapeziform, pilose; lobes orbicular, ca. 1 mm. Anthers ovate, ca. 0.5 mm. Style ca. 1 mm; stigma capitate. Nutlets light brown, 3.5–4.5 mm, attachment scar ca. 3 mm.

Saline and alkaline soils; 0–1500 m. SE Xinjiang [Afghanistan, N and W India, Pakistan; N Africa, SW Asia].

Flora of China 16: 359. 1995.