## 5．COLDENIA Linnaeus，Sp．Pl．1：125． 1753.

双柱紫草属 shuan zhu zi cao shu

## Lobophyllum F．Mueller．

Herbs annual．Leaves alternate，margin lobed；secondary veins ending in sinuses．Inflorescences generally extra－axillary on leafy twigs or in forks of branches，sometimes glomerate．Flowers sessile or on short pedicels，4－merous．Calyx 4－lobed． Corolla throat glabrous，naked or with 4 scaly appendages；lobes spreading，overlapping in bud．Ovary ovoid，somewhat 4 －lobed， 2 －loculed and with 2 ovules per locule，or falsely 4 －loculed and with 1 ovule per locule；ovules anatropous．Styles 2，terminal， divided or united to middle；stigmas 2，usually divided．Fruit fleshy or dry，fastigiate or semiglobose，endocarp bony，divided into 41 －seeded achenelike mericarps；mericarps $\pm$ united ventrally or joined to a central extension of receptacle．Seeds with little or no endosperm or not；embryo straight or curved．

One species：Cambodia，China，India，Indonesia，Malaysia，Pakistan，Sri Lanka，Thailand，Vietnam；Africa，Australia，North America， South America．

For a discussion on the generic limits of Coldenia，see Richardson（Rhodora 79：476．1977）．

1．Coldenia procumbens Linnaeus，Sp．Pl．1：125． 1753.

## 双柱紫草 shuang zhu zi cao

Herbs annual．Stems branched from base；branches prostrate or ascending， $15-40 \mathrm{~cm}$ ，densely spreading strigose． Lower stem leaves short petiolate，oblong to obovate， $1-2 \times$ $0.5-1.5 \mathrm{~cm}$ ，asymmetrical，scabrous，strigose，margin coarsely crenate－lobulate；lateral veins 4－6 pairs，prominent abaxially， concave adaxially；upper leaves sessile．Flowers solitary， subsessile．Calyx $1.5-2 \mathrm{~mm}$ ；lobes lanceolate to ovate－ lanceolate，slightly enlarged in fruit，persistent，strigose． Corolla white，tubular， $2-2.5 \mathrm{~mm}$ ，glabrous；lobes orbicular， ca． 0.3 mm ．Stamens included；filaments ca． 0.3 mm ， glabrous，inserted at middle of corolla tube；anthers rounded to broadly ovate，ca． 0.2 mm ．Ovary fastigiate， 4 －sulcate； stigma obscurely 2 －cleft．Fruit broadly triangular， $3-4 \mathrm{~mm}$ ， glandular pubescent；mericarps wrinkled，spinescent－ tuberculate．Fl．Apr，fr．Jun．

Sandy places，beaches，dry cultivated ground．Hainan，Taiwan ［Cambodia，India，Indonesia，Malaysia，Pakistan，Sri Lanka， Thailand，Vietnam；Africa，Australia，North America，South America］．

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