

田玄参属——玄参科一新属

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SINOACOPA HONG—A NEW GENUS OF SCROPHULARIACEAE FROM CHINA

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关键词 玄参科; 新属; 新种; 田玄参属; 田玄参

田玄参属 新属

Sinobacopa Hong, gen. nov. (Scrophularioideae—Gratioleae)

Herba annua. Folia opposita. Flores axillares, pedicellati, ebracteolati. Calyx (4—) 5-partitus, segmentis imbricatis, illo postico et illo antico majoribus, 5-costatis, illis lateralibus interioribusque angustioribus, unicastis. Corollae tubus cylindraceus; limbus patens, lobis 5, duobus posticis exterioribus, prope medium connatis. Stamina 4, aequilonga, inclusa, fauci corollae inserta; filamenta brevia; antherae leviter sagittatae, loculis distinctis. Stigma 2-lobatum, lobis magnis, orbiculatis et complanatis; ovula in quoque loculo numerosa. Capsula 2-loculata, globosa, loculicide et septicide dehiscens. Semina numerosa, minuta, cylindraceo-oblonga; testa scalariformis.

Genus novum *Bacopae* Aubl. affine, a quo flore ebracteolato, staminibus aequilongis fauci corollae insertis, stigmate 2-lobato, lobis magnis orbiculatis complanatis differt.

Typus generis: *Sinobacopa aquatica* Hong.

The new genus is rather distinct in the tribe *Gratioleae* it belongs to with its four stamens equal in length and inserted at the corolla throat, precisely speaking, at the juncture of the lobes. Moreover, the stigma in the new genus is 2-lobed, with the lobes very large and flaky and the capsule is globose. All these characters are also different from those of its closest relative, the genus *Bacopa*.

With only one species, distributed on Hainan Island, in Guangzhou, Guangdong Province, and in Fuzhou, Fujian Province.

一年生草本。叶对生。单花腋生, 无小苞片。花萼 5 全裂, 稀 4 全裂, 裂片覆瓦状排



图1 (Fig.1) 田玄参 *Sinobacopa aquatica* 1. 植株 plant; 2. 花 flower; 3. 花冠纵剖, 示雄蕊及其着生情况 corolla opened up, showing stamens and their insertion; 4. 花柱及柱头 style and stigma; 5. 果实 fruit; 6. 果实横切 cross section of fruit; 7. 种子 seed.

列,后方和前方的最大,具5条脉,侧面3枚窄,具单脉。花冠筒管状,檐部开展,上唇位于外方,2裂至近中部,下唇3裂。雄蕊4枚,等长,内藏,插生于花冠喉部;花丝短;花药略呈箭头状,药室分离。柱头2裂,裂片大,圆而扁平;胚珠多数。蒴果球状,2室,4片裂。种子多数,微小,柱状长圆形,种皮具网纹。

本新属近于 *Bacopa* Aubl., 但花无小苞片;雄蕊等长,插生于花冠喉部;柱头2裂,裂片大,圆而扁平,显然不同。

仅一种,分布于广东海南岛、广州和福建福州。

田玄参 假西洋菜(广州) 新种 图1

Sinobacopa aquatica Hong, sp. nov.

Herbae annuae. Caulis succulentus, 12—20cm longus, internodiis 3—6 cm longis. Folia sessilia, 9—11-parallelinervia, obovata vel obovata-cuneata, integerrima, 1.5—2.5cm longa, 0.7—1.3cm lata, ramea minora. Flores solitarii, pendentes, ebracteolati, pedicellis 1—2 cm longis. Calycis lobi lineares vel lineari-elliptici, apice obtusi, 3—4 mm longi, 0.5—1.2 mm lati, ciliati; corolla alba vel dilute violacea, calyci fere aequilonga, anticis lobis obovatis, apice obtusis, posticis lobis anguste-obovatis, apice obtusis; stamina tantum 1.2 mm longa, filamentis antheris fere aequilongis; pistillum corollae fere aequilongum. Capsula globosa, 1.7 mm diam. Semina minuta, c. 0.5mm longa.

Guangdong (广东): Hainan Island (海南), Lingshui (陵水), in paddy fields, 11 Aug. 1983, Diao Zheng-su (刁正俗) 1715 (Typus, PE); Suburb of Guangzhou (广州郊区), in paddy fields, Cao Hai-yan (曹海燕), without number. **Fujian** (福建): from Fuzhou to Gaohu (福州至高湖途中), in paddy fields, 17 Sept. 1982, Chen Zhan-shou (陈占寿) 486。

一年生草本。茎肉质,长12—20 cm,节间长3—6 cm。叶对生,无柄,倒卵形或倒卵状披针形,全缘,长1.5—2.5 cm,宽0.7—1.3 cm,分枝上的远较小;叶脉基出,9—11条,平行。单花腋生,下垂,无小苞片;花梗长1—2 cm。花萼裂片条形至条状椭圆形,顶端钝,长3—4 mm,宽0.5—1.2 mm,具缘毛。花冠白色或淡紫色,与花萼近等长,前方裂片倒卵形,顶端钝,后方裂片狭倒卵形,顶端钝。雄蕊长仅1.2 mm;花丝与花药近等长。蒴果球状,直径1.7 mm。种子微小,长约0.5 mm。花期8—9月。