

贵州绞股蓝属(葫芦科)一新种*

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A NEW SPECIES OF *GYNOSTEMMA* BL. (CUCURBITACEAE) FROM GUIZHOU, CHINA

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关键词 绞股蓝属; 翅茎绞股蓝

翅茎绞股蓝 新种 图 1

***Gynostemma caulopterum* S. Z. He, sp. nov.**

Species affinis *G. guangxiensi* X. X. Chen et D. H. Qin, sed caule trigono, anguste alato; ovario biloculari, stylis 2, stigmatibus trilobatis; seminibus late ovoideis, acute verrucatis differt.

Herbae scandentes. Caulis validus, ramosissimus, 4~10 m longus, 0.5~1 cm crassus, trigonus, angulis alatis, alis 1.5~3 mm latis, glaber vel ad nodos sparse puberulus. Cirrhi filiformes, apice bifidi. Folia alterna, pedatim 7-foliolata; petiolis 5~8 cm longis, glabris; foliola chartacea, subrhomboidia vel obovato-elliptica, apice acuminata, mucronata, basi cuneata, margine serrata, supra laxi-pilosa, subtus glabra, medianum 6~12 cm longum, 2~4 cm latum, lateralia minora, paulo inaequilateralia. Flores unisexuales, dioecii. Flores staminati, 2 mm diam., in paniculam axillarem 7~9 cm longam dispositi; bracteolae filiformes, circ. 1.5 mm longae; pedicelli 2~2.5 mm longi; calycis lobi 5, triangulati, circ. 0.8 mm longi, 0.5 mm lati; corolla 5-partita, lobis ovato-lanceolatis, 1.5 mm longis, circ. 1 mm latis; stamina 5, filamentis valde brevibus, antheris ovatis. Flores pistillati in paniculam axillarem vel terminalem 1.5~3.5 cm longam 1.2~1.8 cm latam glabram dispositi; pedicelli 1~1.5 cm longi, basi 1-bracteolati, bracteolis filiformibus; calycis lobi 5, triangulati, circ. 0.5 mm longi, 0.4 mm lati; corolla 5-partita, lobis lanceolatis, circ. 2 mm longis, 0.5 mm latis, apice acuminatis; ovarium depresso globosum, circ. 1.5 mm diam., biloculare, in quoque loculo 1-ovulatum; stylis 2; stigmata trilobata. Fructus depresso globosus, 2.5~3 mm longus, 5.5~6 mm latus,

* 承蒙陈书坤先生审核模式标本, 谨致谢忱。



图 1 翅茎绞股蓝 1. 雌花枝； 2. 茎； 3. 茎横切面； 4. 雄花； 5. 花柱； 6. 子房横切面； 7. 种子。(肖溶绘)
Fig. 1 *Gynostemma caulopterum* S. Z. He. 1. branch with female flowers; 2. stem; 3. cross section of stem;
4. male flower; 5. style; 6. cross section of ovary; 7. seed.

viridulus, glaber, corolla stylisque persistentibus praeditus; pedicelli fructiferi filiformes, 3~6 mm longi. Semina 2, late ovoidea, circ. 2.5 mm longa, 3 mm lata, lactea, acute verrucata.

Guizhou(贵州): Renhuai(仁怀), alt. 450 m, in moist places along brooklet of valley, 1993-09-15, S. Z. He (何顺志) 93067 (♀, holotype, HGCM*; isotype, KUN), 93062, 93065; Ziyun(紫云), alt. 650 m, 1986-09-14, S. H. Song(宋四海) 168 (♂).

攀援草质藤本。茎粗壮,多分枝,三棱形,长4~10 m,粗0.5~1 cm;棱具狭翅,翅宽1.5~3 mm;无毛或仅节上疏被柔毛。卷须丝状,顶端二叉。叶互生,鸟足状复叶由7小叶组成;叶柄长5~8 cm,无毛;小叶纸质,棱状椭圆形或倒卵状椭圆形,先端渐尖,具小尖头,基部楔形,边缘具粗齿,齿端具小尖头,上面疏被柔毛,下面无毛;中间小叶长6~12 cm,宽2~4 cm,两侧较小,稍不相等。花单性,雌雄异株;雄花,直径约2 mm;圆锥花序,腋生,长7~9 cm;小苞片线形,长约1.5 mm;花柄长2~2.5 mm;花萼裂片5,三角形,长约0.8 mm,宽约0.5 mm;花冠5裂,裂片卵状披针形,长约1.5 mm,宽约1 mm;雄蕊5,花丝极短,花药卵形。雌花排成圆锥花序,腋生或顶生,无毛,长1.5~3.5 cm,宽1.2~1.8 cm,花梗长1~1.5 mm,基部具1线状苞片;花萼裂片5,三角形,长约0.5 mm,宽约0.4 mm;花冠5裂,裂片披针形,长约2 mm,宽约0.5 mm,先端渐尖;子房扁球形,直径约1.5 mm,2室,每室具1胚珠;花柱2枚,分离,柱头3裂。果扁球形,长2.5~3 mm,宽5.5~6 mm,淡绿色,无毛,具宿存的花冠和花柱,果柄线形,长3~6 mm。种子2粒,阔心形,长约2.5 mm,宽约3 mm,乳白色,具刺状瘤突。花果期9~11月。

本种近于广西绞股蓝 *G. guangxiense* X. X. Chen et D. H. Qin,但本种茎三棱,具狭翅;子房2室,花柱2,柱头3裂;种子阔心形,具刺状瘤突而易于区别。

该种在产区单株产量高达15~30 kg(鲜品果期),花期叶、茎味甜,果期微苦甜,经测定,绞股蓝皂甙含量为3.5~4.5%,是目前国产绞股蓝属植物中最有综合开发前景的种类。

* HGCM=Herb. Guizhou Institute of Chinese Materia Medica.