

窄瓣兜兰, 中国云南兰科一新种

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Paphiopedilum angustatum, a new orchid from Yunnan, China

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关键词 窄瓣兜兰; 新种; 中国

在兰科兜兰属 *Paphiopedilum* 的宽瓣亚属 subgenus *Brachypetalum* 中, 全部已知种类都具有宽阔的花瓣, 其宽度一般都能达到长度的 1/2 以上。有些种类的花瓣甚至比唇瓣还要宽阔, 如巨瓣兜兰 *P. bellatullum* (Rehb. f.) Stein 和白花兜兰 *P. emersonii* Koopowitz et Cribb 等。本新种从花的构造与色泽看, 与麻栗坡兜兰 *P. malipoense* S. C. Chen et F. Y. Liu 有较密切的亲缘关系, 其唇瓣的形状也是椭圆状球形, 而非倒盔状, 显然应当归属于宽瓣亚属。然而本新种的花瓣甚为狭窄, 宽度仅 6~7 mm, 约为长度的 1/5。这在整个亚属中是独一无二的。

此新种不仅花瓣狭窄, 萼片与唇瓣也较窄小。它通常有 1~2 花, 有时可开 3 朵花, 花期略晚于麻栗坡兜兰, 多在 3~4 月份。笔者已多次看到此种植物的花及其照片, 但一直未能采到标本。本文所依据的模式标本系近期获得的栽培植物, 来自云南麻栗坡, 但具体产地与生境均不详。

窄瓣兜兰 新种 图 1:1~5

Paphiopedilum angustatum Z. J. Liu et S. C. Chen, sp. nov. Fig. 1:1~5

Species nova *P. malipoensi* S. C. Chen et Tsi affinis, sed differt radicibus subglabris vel brevissime puberulis, segmentis perianthii multo minoribus et angustioribus, 6~12 (~15) mm latis, staminodio suboblongo, ca duplo longiore quam latiore.

Rhizoma breve. Folia 6~7, suboblonga vel elliptica, papyracea, 7~11 cm longa, 2.8~4.4 cm lata, supra atroviridi-tessellata, infra pallide viridia et dense purpureo-punctata, margine prope apicem subacutum denticulata, basi in petiolum 2~3 cm longum conduplicatum ciliatum contracta. Scapus suberectus, 18~35 cm longus, purpureus, villosus, basi interdum univaginus, 1- vel 2~(3-)florus; vagina ca 3 cm longa, 1 cm lata, plus minusve conduplicata, extus villosa; bracteae subovatae vel ovato-lanceolatae, 1~1.7 cm longae, 5~15 mm latae, virides et purpureo-punctatae, extus villosae; pedicellus cum ovario ca 2.2 cm longus, villosus; flos fragrans, fere viridis vel flavido-viridis, petalis in dimidio inferiore paginae interioris purpureo-brunneo-punctatis et striatis, labello interdum obscure purpureo-brunneo-punctato; sepalum dorsale anguste ovato-lanceolatum vel

anguste ovato-oblongum, ca 3.3 cm longum, 1 cm latum, apice acuminatum, basi ventrali pu-

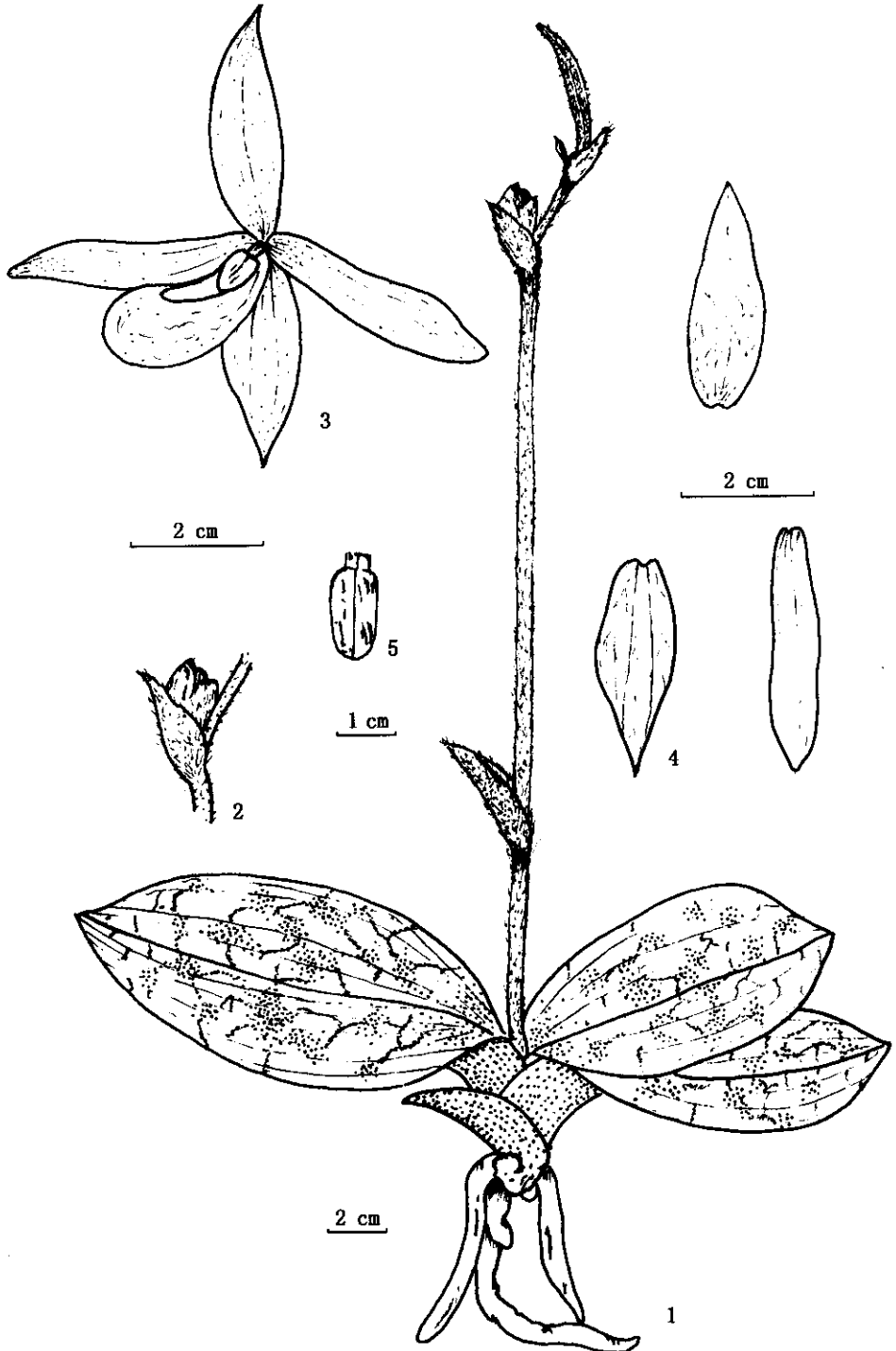


图1 窄瓣兜兰 1. 植株; 2. 花苞片和花蕾; 3. 花; 4. 中萼片、合萼片和花瓣, 背面观; 5. 退化雄蕊。
Fig. 1 *Paphiopedilum angustatum* Z. J. Liu et S. C. Chen 1. Plant; 2. Bract and flower bud; 3. Flower; 4. Dorsal sepal, synsepal and petal, back view; 5. Staminode.

bescens, minute ciliatum; synsepalum anguste ovatum, sepalo dorsali leviter brevius et latius, apice minute bifidum, ad basin et nervos paginae interioris puberulum, extus villosum et obscure bicarinatum, minute ciliatum; petala anguste suboblunga, ca 3.5 cm longa, 6~7 mm lata, utrinque puberula, ad basin paginae interioris pubescentia; labellum ellipsoideo-saccatum, ca 2.8 cm longum, 1 cm latum, extus glabrum, ad infimum interiorem villosum, ore subelliptico, ca 7 mm lato, margine induplicato; staminodium suboblongum ca 8 mm longum, 4 mm latum, apice subtruncatum, basi subsessile, minute ciliatum, supra projecturis 4 indistinctis plus minusve umbilicatis ornatum, infra carinatum.

China. Southeastern Yunnan (云南东南部), Malipo (麻栗坡), habitat not clear(生境不详)。2000-03-23. Z. J. Liu(刘仲健) 1505 (Holotype, in Herbarium, Shenzhen City Wutongshan Nurseries)。

根状茎短,具数条近无毛或被极短细毛的肉质根。叶6~7枚,近矩圆形至椭圆形,坚纸质,长7~11 cm,宽2.8~4.4 cm,上面有深浅绿色相间的网格斑,背面浅绿色并密生紫色斑点,近先端边缘具细齿,先端近急尖,基部收狭成柄;柄长2~3 cm,对摺,边缘具缘毛。花萼近直立,长18~35 cm,紫色,具长柔毛,基部无鞘或有时具1枚鞘,顶端通常具1~2花,少有3花;鞘狭椭圆形,长约3 cm,宽1 cm,多少对摺,背面密被长柔毛;花苞片近卵形或卵状披针形,长1~1.7 cm,宽5~15 mm,绿色并具紫色斑点,背面被长柔毛;花梗和子房长约2.2 cm,被长柔毛;花有香气,近绿色或黄绿色,但花瓣内表面下半部有紫褐色斑纹和斑点,唇瓣上有时也有不甚明显的紫褐色斑点;中萼片狭卵状披针形至狭卵状矩圆形,长约3.3 cm,宽1 cm,先端渐尖,内表面基部具短柔毛,背面被长柔毛,边缘疏生细缘毛;合萼片狭卵形,较中萼片稍短而宽,先端略有2浅裂,内表面基部与脉上亦被微柔毛,背面具长柔毛并有不甚明显的2条龙骨状突起,边缘亦具细缘毛;花瓣近狭矩圆形,长约3.5 cm,宽6~7 mm,两面被微柔毛,内表面基部具短柔毛;唇瓣椭圆形囊状,长约2.8 cm,宽1 cm,外表面无毛,囊底有长柔毛;囊口近椭圆形,宽约7 mm,边缘内折;退化雄蕊近矩圆形,长约8 mm,宽4 mm,先端近截形,基部近无柄,边缘有细缘毛,上面有4个不甚明显的脐状突起,背面有龙骨状突起。

本新种与麻栗坡兜兰 *P. malipoense* S. C. Chen et Tsi 有亲缘关系,区别点在于本种根近无毛或被极短细毛,花有香气,花被片明显较小而狭窄,宽6~12(~15)mm,退化雄蕊近矩圆形,长约等于宽的一倍。

Paphiopedilum angustatum Z. J. Liu et S. C. Chen is described here as a member of the subgenus *Brachypetalum* based on a cultivated plant which was collected from Malipo County, southeastern Yunnan. The new species is characterized by having subglabrous or shortly puberulous roots and usually one or two rather small flowers with very narrow sepals and petals about five times longer than broad. By these features it can be easily distinguished from all other members of the subgenus *Brachypetalum*, though it is similar in lip structure to them. The flowering period of this new species is from March to April. The flowers are fragrant, green or yellowish-green with purple-brown spots and stripes on the lower half of the petals. It is considered to be closely related to *P. malipoense*, S. C. Chen et Tsi based on leaf structure and floral colour.

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