

# 密毛兜兰, 中国云南兰科一新种

<sup>1</sup> 刘仲健 <sup>2</sup> 陈心启

<sup>1</sup>(深圳市梧桐山苗圃总场 深圳 518114)

<sup>2</sup>(中国科学院植物研究所系统与进化植物学开放实验室 北京 100093)

## *Paphiopedilum densissimum*, a new species of Orchidaceae from Yunnan, China

<sup>1</sup> LIU Zhong-Jian <sup>2</sup> CHEN Sing-Chi

<sup>1</sup>(Shenzhen City Wutongshan Nurseries, Shenzhen 518114)

<sup>2</sup>(Laboratory of Systematic and Evolutionary Botany, Institute of Botany, the Chinese Academy of Sciences, Beijing 100093)

**Key words** *Paphiopedilum*; *P. densissimum*; New species; Yunnan; China

**关键词** 兜兰属; 密毛兜兰; 新种; 云南; 中国

密毛兜兰 新种 图 1

*Paphiopedilum densissimum* Z. J. Liu et S. C. Chen, sp. nov. Fig. 1

Species nova *Paphiopedilo villosa* (Lindl.) Stein similis, a quo bene differt pedunculo pilis densissimis albis 2~3(5) mm longis oblecto, sepalo intermedio 2.4~2.9 cm lato dorso albo-pubescenti.

Rhizoma breve. Folia 2~4, disticha, anguste oblonga, 13~26 cm longa, 2.2~3.0 cm lata, apice subacuta et inaequaliter bilobulata, supra obscure atroviridi- et viridulo-tessellata, infra viridia et prope basin purpureo-rubro-punctata, basi in petiolum conduplicatum contracta. Scapus suberectus, cum inflorescentia uniflora 14~23 cm longus, pedunculo viridi pilis densissimis albis 2~3(~5) mm longis oblecto; bractea elliptica, fere conduplicata, 4.3~4.6 cm longa, ca. 2 cm lata, glabra praeter basin paginae dorsalis albo-pubescentem; pedicellus cum ovario 5~5.5 cm longus, densissime et longe albo-pilosus; flos 7~8 cm in diam.; sepalum intermedium subrhombico-ellipticum, 4.2~5.2 cm longum, medio 2.4~2.9 cm latum, viridulum et e centro ad basin irregulariter brunneo-rubro-vittatum, dorso dense albo-pubescentem secus costam et prope apicem et basin, ciliatum, vix vel leviter recurvum ad basin; synsepalum ellipticum, 4.2~5.0 cm longum, 1.7~2.4 cm latum, viridulum, dorso albo-pubescentem prope apicem, ciliatum; petala spatulata, 5.2~5.6 cm longa, superne 2.2~2.6 cm lata, apice emarginata vel subacuta, plerumque plus minusve ciliata, in latere superiore costae brunneo-rubella, in ejus latere inferiore viridula et obscure brunneo-rubello-nervia; labellum galeiformi-saccatum, cum basi stipitata 4.1~4.4 cm longum, e brunneo-rubello viridulum, sacco subobovato ca. 3 cm longo medio 1.6~1.8 cm lato; staminodium quadrato-ellipticum, 1.1~1.4 cm longum, 1.0~1.1 cm latum, apice subtruncatum et emarginatum vel mucronatum, basi breviter auriculatum, supra verruculosum et prope basin puberulum,

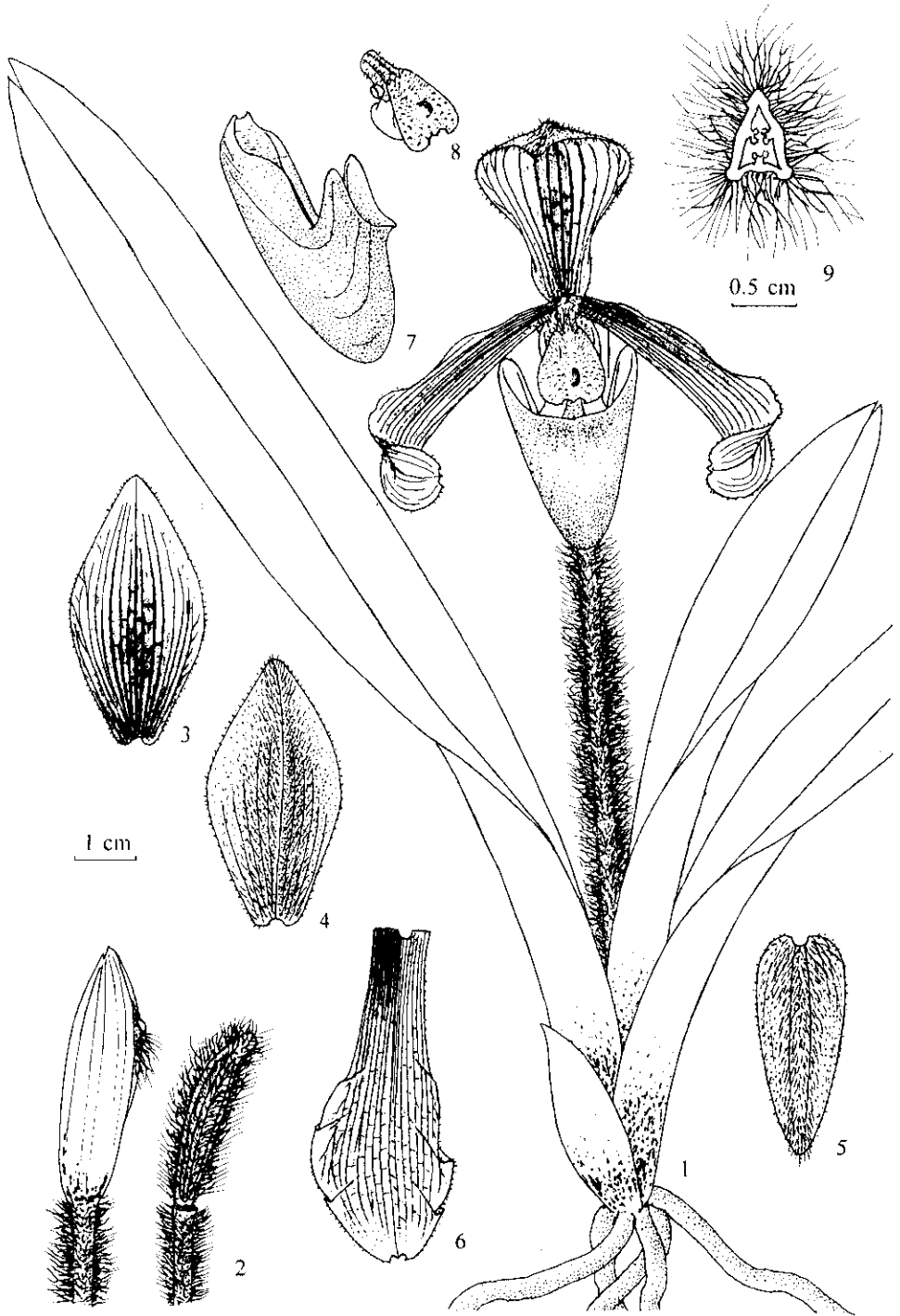


图1 密毛兜兰 1. 带花植株; 2. 花苞片与子房; 3. 中萼片, 正面观; 4. 中萼片, 背面观; 5. 合萼片, 背面观; 6. 花瓣, 背面观; 7. 唇瓣, 侧面观; 8. 退化雄蕊; 9. 子房, 横切面。  
 Fig. 1 *Paphiopedilum densissimum* Z. J. Liu et S. C. Chen 1. Flowering plant; 2. Bract and ovary; 3. Dorsal sepal, front view; 4. Dorsal sepal, back view; 5. Synsepal, back view; 6. Petal back view; 7. Lip, side view; 8. Staminode; 9. Ovary, transverse section.

flavidum, callo umbilicato viridi vel flavo praeditum.

**China. Yunnan** (云南): Yingjiang region (盈江地区), without precise locality (无详细地点), 2001-10-28, Z. J. Liu (刘仲健) 21128 (holotype, here designated, PE; isotype, in Herbarium, Shenzhen City Wutongshan Nurseries<sup>\*</sup>).

根状茎短。叶 2~4 枚, 二列, 狭矩圆形, 长 13~26 cm, 宽 2.2~3.0 cm, 先端近急尖并有不等 2 裂, 上面有模糊的深浅绿色网格斑, 背面绿色, 近基部有紫红色斑点, 基部收狭为对摺的叶柄。花葶近直立, 连同具单花的花序长 14~23 cm; 花序柄绿色, 被极密而长的白色长柔毛, 毛长 2~3 (~5) mm; 花苞片椭圆形, 近对摺, 长 4.3~4.6 cm, 宽约 2 cm, 除背面基部具白色短柔毛外余均无毛; 花梗连同子房长 5~5.5 cm, 被极密而长的白色长柔毛; 花直径 7~8 cm; 中萼片近菱状椭圆形, 长 4.2~5.2 cm, 中部宽 2.4~2.9 cm, 淡绿色, 在中央至基部有不规则的褐红色纵斑带, 背面近顶端与基部以及沿中脉密被白色短柔毛, 边缘具缘毛, 近基部稍微或几乎不向后卷; 合萼片椭圆形, 长 4.2~5.0 cm, 宽 1.7~2.4 cm, 淡绿色, 背面近顶端被白色短柔毛, 边缘具缘毛; 花瓣匙形, 长 5.2~5.6 cm, 上部宽 2.2~2.6 cm, 先端微凹或近急尖, 通常多少具缘毛, 中脉上方一侧淡褐红色, 中脉下方一侧淡绿色并有不明显的淡褐红色脉纹; 唇瓣盔状囊形, 连同柄状基部长 4.1~4.4 cm, 淡绿色, 有褐色带红的晕; 囊倒卵形, 长约 3 cm, 中部宽 1.6~1.8 cm; 退化雄蕊带方形的椭圆形, 长 1.1~1.4 cm, 宽 1.0~1.1 cm, 先端近截形, 中央微凹或具短尖头, 基部有短耳, 上面有小疣状突起, 并在近基部处被微柔毛, 淡黄色, 中央有一个绿色或黄色的脐状胼胝体。

新种近似于紫毛兜兰 *Paphiopedilum villosum* (Lindl.) Stein, 但花序柄被极密而长的白色长柔毛, 毛长 2~3 (~5) mm, 中萼片甚狭, 宽 2.4~2.9 cm, 背面被白色毛, 易于区别。

*Paphiopedilum densissimum* Z. J. Liu et S. C. Chen is described as a new species based on the plants introduced from a nursery in southwestern Yunnan of China. It was said that the plants were collected from Yingjiang region bordering Myanmar. Altogether five plants are now cultivated in our nursery in Shenzhen, and all of them flowered from the middle of September to November. The new species is characterized by its peduncle and ovary covered with very dense, white hairs up to 2~3 (~5) mm long. Its flower is similar to that of *Paphiopedilum villosum* (Lindl.) Stein, but differs by possessing a much narrower dorsal sepal covered with white hairs on the back.

(责任编辑 徐黎)

\* 深圳市梧桐山苗圃总场标本室