

国产开唇兰属(兰科)一新种

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A new species of *Anoectochilus* Blume (Orchidaceae) from China

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关键词 兰科; 开唇兰属; 南岭齿唇兰; 中国

南岭齿唇兰 新种 图 1

Anoectochilus nanlingensis L. P. Siu et K. Y. Lang, sp. nov. Fig. 1

A congeneribus differt plantis minimis tantum 7.5 ~ 8.5 cm altis, sepalis albis dorso striis 2 longitudinalibus grossis purpureis ornatis, petalis albis oblique angusteque lineari-lanceolatis secus costam stria 1 grossa purpurea instructis et margine breviter et dense ciliatis, labello albo, inter 2 lobos apicales basi sinus macula 1 purpurea ornato, ungue in utroque latere costae maculis (3 ~) 4 purpureis instructo.

Herba terrestris, 7.5 ~ 8.5 cm alta. Rhizoma elongatum, cauliforme, repens, nodosum, radicum, 1 ~ 1.5 mm diam. Caulis teres, viridi-fuscus, erectus vel suberectus, glaber, 1 ~ 1.5 mm diam. Folia 3 ~ 5, erecto-patentia, ovata, carnosae, 6 ~ 8 mm longa, 4 ~ 6 mm lata, apice acuta, basi rotundata et petiolata, supra atrovirentia, subtus purpurascens; petioli 3 ~ 5 mm longi, inferne in vaginam amplexicaulem ampliati. Inflorescentia apicalis, racemosa, (1 ~) 2 ~ 3 (~ 4)-flora, 1.5 ~ 3 cm longa, infra inflorescentiam 2 bracteis vaginiformibus saepe instructa, rachidi et pedunculo villosa, bracteis erecto-patentibus, anguste ovatis, purpurascens, cymbiformibus, membranaceis, 5 ~ 7 mm longis, 2.5 ~ 3 mm latis, apice acuminatis, dorso glabris, margine villosis, ovarii brevioribus. Flores resupinati patentes; sepalae albae, intermedium anguste ovato-oblongum, 5 ~ 6 mm longum, 2 ~ 2.5 mm latum, 1-nervi, apice obtusiusculum, margine glabrum, dorso glabrum striis 2 longitudinalibus grossis purpureis ornatum, cum petalis in galeam agglutinatum, interdum juxta apicem 1/5 liberum, lateralia obliqua, anguste oblongo-lanceolata, inaequilatera, 8 ~ 9 mm longa, 2.8 ~ 3 mm lata, 1-nervia, apice obtusiuscula, dorso glabra, inferne striis 2 longitudinalibus grossis purpureis instructa, margine glabra, basi in sacculum connata, calcar labelli amplectentia; petala alba, oblique angusteque lineari-lanceolata, membranacea, 5 ~ 6 mm longa, ca. 1 mm lata, 1-nervia, inaequilatera, apice acutiuscula, dorso glabra secus costam stria 1 grossa

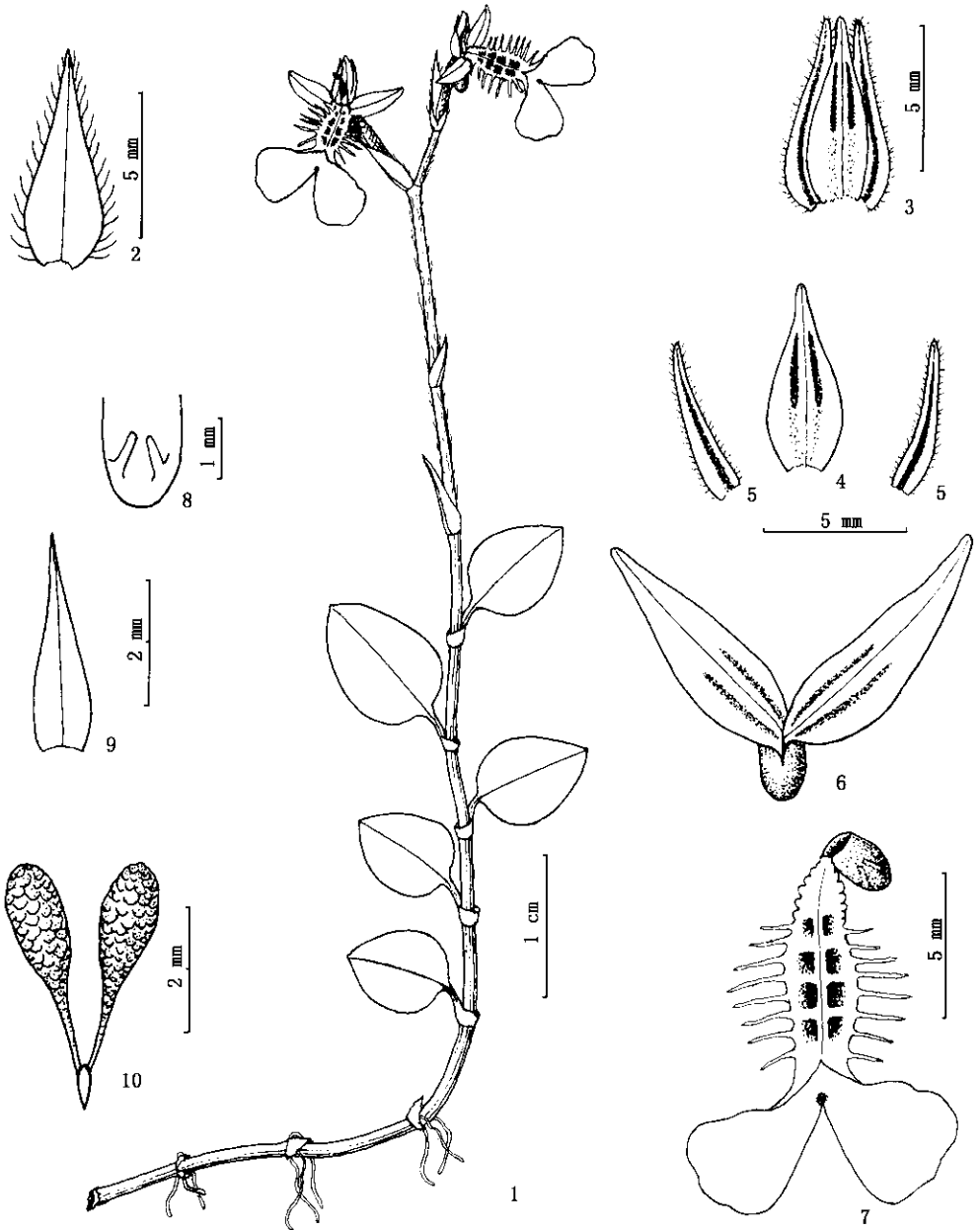


图1 南岭齿唇兰 1. 植株; 2. 花苞片; 3. 中萼片和花瓣粘合成的兜状物; 4. 中萼片; 5. 花瓣; 6. 侧萼片; 7. 唇瓣; 8. 距内的胼胝体; 9. 花药; 10. 花粉块。(郭木森 绘)

Fig. 1 *Anoectochilus nanlingensis* L. P. Su et K. Y. Lang 1. Habit; 2. Floral bract; 3. Galea formed by the agglutination of the middle sepal and petals; 4. Middle sepal; 5. Petals; 6. Lateral sepals; 7. Lip; 8. Glands in spur; 9. Anther; 10. Pollinaria.

purpurea ornata, margine breviter et dense ciliata; labellum album abaxiale porrectum, ambitu Y-forme, 12 ~ 13 mm longum, membranaceum, apice ampliatum, et bilobatum, lobis obovatis, 4 ~ 5 mm longis, antice 3.5 ~ 4 mm latis margine undulatis, glabris, divaricatis, inter lobos apicales basi sinus macula 1 purpurea ornatis, medio labelli angustate unguiculatum, ungue 4.5 ~ 5 mm longo,

simplici parte longe elliptico, in utroque latere costae maculis (3~) 4 purpureis instructo, margine anteriore laciniis 5~ ad 8-jugis fimbriatis inaequilongis ornato, margine posteriore serrulato, basi labelli paulo ampliatum, concavum, calcar sacciforme formanti; calcar deorsum patens, 2~2.5 mm longum, 1.5~2 mm latum, apice obtusum, indivisum, intus callis 2 anguste oblongis obsitum; columna crassa et brevis, 1.5 mm longa; anthera anguste lanceolata purpurea, prorsum inclinata, 3.5 mm longa, apice longe acuminata; pollinia 2 granulata, flava, anguste oblanceolata, ca. 3 mm longa, ad extremitatem glandula 1 plerumque instructa; rostellum roseum, apice bifurcatum; stigmata 2 lateralia subrotundata; ovarium minute cylindricum contortum glabrum, cum pedicello 7~8 mm longum, ca. 1 mm diam.

地生草本,高7.5~8.5 cm。根状茎伸长,茎状,匍匐,具节,生根,直径1~1.5 mm。茎圆柱形,直立或近直立,直径1~1.5 mm,绿褐色,光滑。叶3~5枚,直立伸展,卵形,肉质,长6~8 mm,宽4~6 mm,先端急尖,基部圆形,上面深绿色,背面淡紫色;叶柄长3~5 mm,下部扩大成鞘抱茎。花序顶生,总状,具(1~)2~3(~4)朵花,长1.5~3 cm;花序轴和花序柄被疏柔毛,花序之下常具2枚鞘状苞片;花苞片直立伸展,狭卵形,淡紫色,膜质,长5~7 mm,宽2.5~3 mm,先端渐尖,背面无毛,边缘具疏柔毛,较子房短。花倒置,张开;萼片白色,中萼片狭卵状长圆形,长5~6 mm,宽2~2.5 mm,具1脉,先端稍钝,背面无毛,边缘无毛,具2条纵向、粗的紫红色条纹,与花瓣粘合呈兜状,有时靠近先端的1/5离生;侧萼片斜狭长圆状披针形,不等侧,长8~9 mm,宽2.8~3 mm,具1脉,先端稍钝,背面无毛,边缘无毛,下部具2条纵向、粗的紫红色条纹,基部合生成囊,围抱唇瓣基部的距;花瓣斜线状披针形,膜质,长5~6 mm,宽约1 mm,具1脉,先端稍尖,不等侧,背面无毛,边缘具短而密的缘毛,沿中肋具1条粗的紫红色条纹;唇瓣位于下方,轮廓呈Y字形,膜质,长12~13 mm,前部扩大并2裂,裂片倒卵形,长4~5 mm,前端宽3.5~4 mm,边缘略波状,无毛,叉开,在裂片之间基部凹缺处具1个紫红色斑点,唇瓣中部收狭呈爪,爪长4.5~5 mm,其不分裂的部分长椭圆形,沿中肋两侧各具(3~)4个紫红色斑点,前部边缘具5~8对不等长的流苏,而后部边缘具细齿,唇瓣基部稍膨大,凹陷成囊状距,距向下伸展,长2~2.5 mm,宽1.5~2 mm,末端钝、不裂,内面具2个狭长圆形的胼胝体;蕊柱粗短,长1.5 mm;花药狭披针形,紫红色,向前倾斜,长3.5 mm,先端长渐尖;花粉团2个,粒粉质,黄色,狭倒披针形,长约3 mm,末端共同具1个小的粘盘;蕊喙粉红色,先端叉状;柱头2个,侧生,近圆形;子房细圆柱形,扭转,无毛,连同花梗长7~8 mm,直径1 mm。

China. Guangdong (广东): Nanling National Nature Reserve (南岭国家级保护区), Tianjing Mt. (天井山), in forests, alt. 1560 m, 2000-06-30, L. P. Siu (萧丽萍) Gs-16-2000 (holotype, here designated, PE).

本种与属中其他种的区别在于其植株很小,高仅7.5~8.5 cm,萼片白色,背面具2条纵向、粗的紫红色条纹,花瓣白色,斜线状披针形,沿中肋具1条粗的紫红色条纹和边缘具短而密的缘毛,唇瓣白色,顶部2裂片基部凹缺处具1个紫红色斑点,爪部在中肋两侧各具(3~)4个紫红色斑点。