

国产三脊毛兰的考订

李琳^{1,2}, 金效华³, 邢福武^{1*}

(1. 中国科学院华南植物园, 广州 510650; 2. 中国科学院研究生院, 北京 100049; 3. 中国科学院植物研究所, 北京 100093)

摘要: 基于对活体植物的观察和原始文献的研究, 对国产三脊毛兰 (*Eria cristata*) Rolfe 进行了考订。本种的萼片和花瓣白色, 唇瓣黄色, 两侧边缘和唇盘的颜色较深; 唇盘具 3 条被黄色毛突的褶片, 易于和其近缘种相区别。

关键词: 三脊毛兰; 毛兰属; 兰科

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A Note on *Eriacristata* (Orchidaceae) from China

LI Lin^{1,2}, JIN Xiao-hua³, XING Fu-wu^{1*}

(1. South China Botanical Garden, the Chinese Academy of Sciences, Guangzhou 510650, China;

2. Graduate University of the Chinese Academy of Sciences, Beijing 100049, China;

3. Institute of Botany, the Chinese Academy of Sciences, Beijing 100093, China)

Abstract: A confused taxon of Orchidaceae, *Eria cristata* Rolfe is discussed based on the examination of living plants and protologue. This species is characterized by white sepals and petals, yellow lip, with the disc and margins of the lateral lobes slightly darker; three lip crests, covered with yellow hairs, and it can be easily distinguished from its relatives.

Key words: *Eria cristata*; *Eria*; Orchidaceae

During a botanical expedition in Pu'er, Yunnan Province in 2007, a pretty little plant, belonging to *Eria* Sect. *Cylindrolobus* (Bl.) Lindl., was found. After extensive morphological comparison, it was identified as *Eria cristata* Rolfe.

Eria Sect. *Cylindrolobus* is characterized by its terete pseudobulb, sometimes claviform at apex; short inflorescences, with one or a few long-pedicelled flowers; large, coloured, recurved bracts; lip often with crests^[1-2].

Jin^[3] reported *Eria cristata* Rolfe from Yunnan as a new record to China in 2007, which has much narrower leaves, smaller flower, with sepals and petals ca. 10 mm long, column ca. 3 mm long and purple floral bracts. Our further investigation suggested that it is not *Eria cristata* and might be a

new species (Jin, pers. com.).

According to the protologue^[4], the establishment of *Eria cristata* depends on the following characters: sepals and petals pure white, and the lip yellow, somewhat darker on the disc and margins of the lateral lobes. The structure of the system of crests on the disk is rather complex. Between the lateral lobes, there are three obscure keels, which suddenly terminate in a pair of truncate very fleshy crests, at this point destitute of hairs; in front of these is a pair of deep cavities, one on either side, and between them an elevated plate covered with yellow hairs, thus forming a tuft or crest, in allusion to which the name is given.

Eria cristata Rolfe is redescribed below in order to correctly identify the species.

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* Corresponding author

Eria cristata Rolfe in Kew Bull. 1892: 139. 1892, et in Gard. Chron. 2: 150. 1892; Seidenf. & Smitinand, Orchid. Thailand 11(2): 300. 1960; Seidenf. in Opera Bot. 62: 96. fig. 54. 1982. Type: Myanmar. Moulmein, *Peché s. n.* (K!). 三脊毛兰 Fig. 1

Epiphytic, clustered herb. Pseudobulb terete, sometimes claviform at apex, 9~18 cm long, 3~6 mm in diameter, with 2~4 terminal leaves. Leaves lanceolate, 6~8.5 cm long, 1~1.4 cm wide. Inflorescence subterminal, 2-flowered, white-hairy. Floral bracts recurved, oblong-ovate, obtuse, sparsely pubescent, 1.2~1.3 cm long, 8~9 mm wide, yellowish green. Pedicel and ovary ca. 1.5 cm long, white-hairy. Floweres with sepals and petals pure white and the lip yellow, somewhat darker on the disc and margins of the lateral lobes. Dorsal sepal ovate-lanceolate, 1.3~1.4 cm long, 6~7 mm wide, subacute; lateral sepal triangular-ovate, oblique at base, carinate, ca. 1.5 cm long, 7~8 mm wide. Petals lanceolate, 1.2~1.3 cm long, 6 mm wide, subobtuse. Lip 3-lobed, recurved at apex, 8~9 mm long, lateral lobes erect, oblong; mid-lobe obovate, slightly denticulate at apex, three obscure keels on the hairy disc with the lateral keels terminating in a pair of truncate fleshy crests, in front of which is a pair of concavities partitioned by a median hairy keel, elevated plates covered with yellow hairs forming three crests at the apex. Column 5~6 mm long, white, with some yellow markings on the foot. Operculum yellow. Pollinia 8 in 2 pairs, obvate-oblong, attached to an oblong viscidium.

Distribution and habitat: Myanmar and China. Epiphytic on trunks.

China. Yunnan: Pu'er District, Caiyanghe Natural Reserve. alt. 1 400~1 500 m, 2007-04-25, Li Lin 104 (IBSC).

It is nearly allied to *E. marginata* Rolfe, which is also distributed in Yunnan. However, the latter is easily distinguished by the lip, especially the lateral

lobes, margined with red, and with quite different crests.

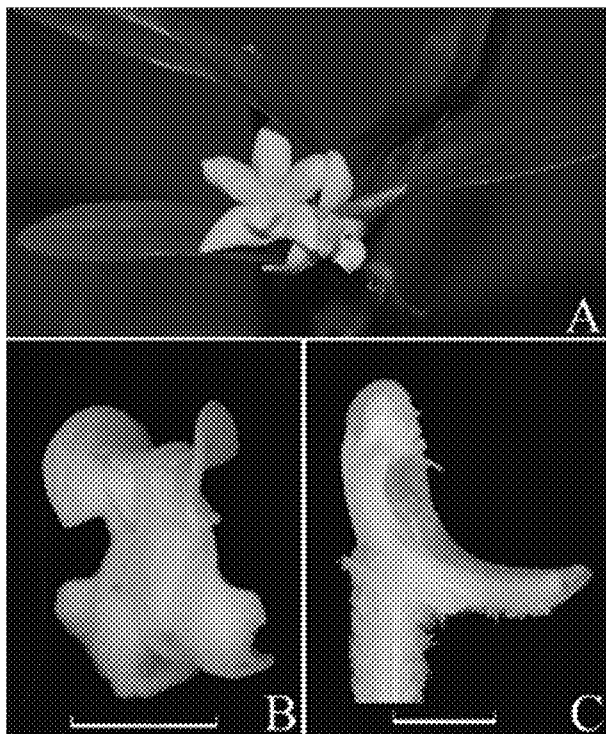


Fig. 1 *Eria cristata* Rolfe

A. Flowering plant; B. Lip (side view); C. Column (side view)

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