

## *XEROCOMUS TENGII*, A NEW *XEROCOMUS* SPECIES FROM CHINA\*

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**ABSTRACT:** A new species, *Xerocomus tengii*, belonging to the family Boletaceae is described and illustrated.

**KEY WORDS:** *Xerocomus tengii* sp.nov., Boletaceae

The genus *Xerocomus* of China was investigated intensively over the past 70 years ( Teng, 1939, 1996; Chiu, 1948, 1957; Ying, 1986; Zang, 1996, Zang & Huang, 2002 ). A taxon having small size basidiocarps collected from Fujian is found to be a new and named *Xerocomus tengii*. The taxon belongs to the Family Boletaceae. It is described and illustrated.

*Xerocomus tengii* M. Zang, J.T. Lin et N.L. Huang Fig. I: 1~6

叔群绒盖牛肝菌 图 I

Pileus 4~6 mm latus, convexus demum plano-convexus, siccus rugulosus, tomentosus, flavo-ochraceus vel flavo-brunneus. Contextus 0.8~1.1 mm crassus, flavus, immutabilis. Hymenium flavidum. Tubuli 0.4~0.6 mm longi, flavi, sublamellati, prope stipitem depressi. Pori 3~4 per mm, rotundi vel angulares. Stipes 0.9~1.1 × 0.1~1.5 cm, clavatus, haud reticulatus, striatus, flavo - brunneus, basim albidus. Basidiosporae 15~16.5 × 5~5.5 μm, ellipsoideae, leave, flavo - hyalinae. Basidia 19~26 × 7.8~10 μm, obclavata. Pleurocystidia 26~36 × 7~10 μm, late fusiformia. Cheilocystidia 40~45 × 6~8 μm, fusiformia. Tramae tubi ad medium fasciculata, hyphae parallelae vel divaricatae. - 10 μm, late fusiformia. Cheilocystidia 40~45 × 6~8 μm, fusiformia. Tramae tubi ad medium fasciculata, hyphae parallelae vel divaricatae.

Habitat: in sylvis misturatis *pini massoniana*, *Castanopsis kawakamii* et *Querci glaucae* in montibus Rui Yun ca. 900 m alt. prope urbem Sanming in Provincia Fujian

Holotype: CHINA. Fujian Prov. (福建省), Sanming city (三明市), Rui Yun Mts. (瑞云山) ca 900 m. alt. Conifers and evergreen broad leaf mixed forest, especially under *Castanopsis* and *Pinus massoniana* Lamb. 6 V 2002. J. T. Lin (林津添) 522, HKAS 39594!

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Dedicated to a distinguished Chinese foremost mycologist, the late academican of Chinese Academy of Sciences, Prof. Shu Chun Teng (December 12, 1902 - May 10, 1970). In commemoration of his 100<sup>th</sup> anniversary  
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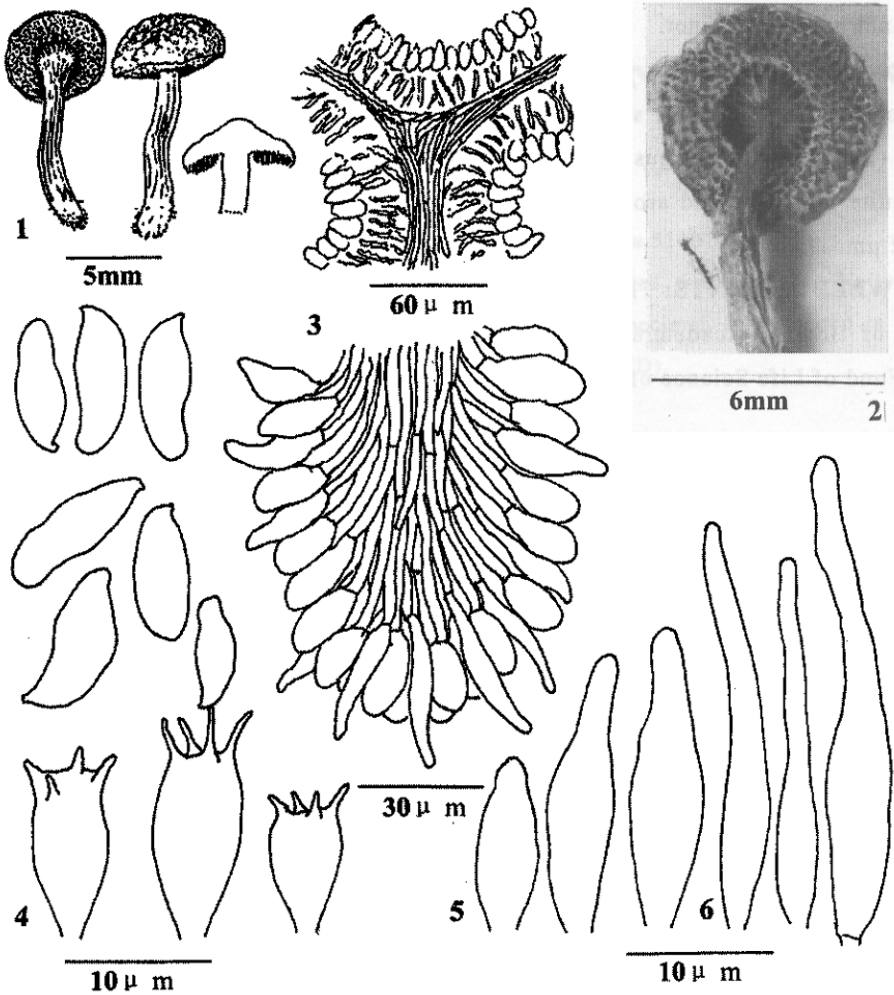


图 I 叔群绒盖牛肝菌

1. 担子果; 2. 子实层; 3. 菌管髓; 4. 担子和担孢子; 5. 侧生囊状体; 6. 管缘囊状体

Fig. I: *Xerocomus tingii* Zang, Lin et Huang, sp. nov.

1. Basidiocarps; 2. Hymenium; 3. Tramae; 4. Basidia and basidiospores; 5. Pleurocystidia;  
6. Cheilocystidia

Pileus 4 ~ 6 mm broad, convex when young, expanding to plain, surface dry, tomentose, ochre - yellow or yellowish brown. Context 0.8~1.1 mm thick, yellowish, unchanging on exposure. Hymenophore yellow, tubes 0.4~0.6 mm long, yellowish, sublamellate, often quite lamellate near the stipe, somewhat sunken at the center. Pores 3~4 per mm, rounded to angled. Stipe 0.9~1.1 × 0.1~0.15 cm, clavate to equal, yellowish brown, not reticulate but striate, base whitish. Basidiospores 15~16.5 × 5~5.5 μm, ellipsoid, smooth, hyaline to pale yellow microscopically. Basidia obclavate 19~26 × 7.8~10 μm. Pleurocystidia 26~36 × 7~10 μm, broadly fusiform.

Cheilocystidia 40~45 × 6~8 μm, fusiform. Tube trama parallel and divaricate, central striae longitudinal parallel distinct.

Etymology: Latin: tengii = in honor of mycologist Prof. S. C. Teng

Commentary: The small size basidiocarps seem similar to *Boletus minimus* M. Zang et N. L. Huang (2002) but the fungus is distinguished by tomentose pileus. The tubes of hymenium are always quite lamellate and around the stipe. The basidiospores are longer and broader, 15~16.5 × 5~6.2 μm.

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## 中国绒盖牛肝菌属一新种——叔群绒盖牛肝菌\*

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摘要: 报道绒盖牛肝菌属一新种——叔群绒盖牛肝菌, 提供了英文、拉丁文描述及插图。

关键词: 牛肝菌科, 福建

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