

滇产牛肝菌属一新种——短管牛肝菌

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摘要 本文报道牛肝菌属一新种, 属于牛肝菌组和短管牛肝菌亚组(新亚组)。

关键词 短管牛肝菌; 短管牛肝菌亚组

牛肝菌组 Sect. *Boletus*

短管牛肝菌亚组 新亚组

Subsection *Brevitubi* Zang, subsect. nov.

Pileus siccus, tomentosus, brunneus vel fuscus. Tubuli brevissimi, Pori simplices minuti. Basidiosporae ovoideae vel ellipsoideae.

菌盖干, 具毛绒, 褐色或棕黑色。菌管极短。菌管孔单一而小。担孢子卵圆形或椭圆形。

亚组模式: 短管牛肝菌

Type species: *Boletus brevitubus* Zang

短管牛肝菌 新种 图 1

Boletus brevitubus Zang, sp. nov. Fig. 1

Pileus 6—8 (—15) cm latus, convexus demum planocavexus, siccus, tomentosus, brunneus, fuscus vel nigrifractus. Superficies pilei hyphis 3—5 μm intertexta. Contextus 0.5—1.5 cm crassus, flavus, immutabilis. Tubuli 0.2—4.5 mm longi, brevissimi, flavi, adnati, sinuatoadnati vel decurrentes. Pori simplices minuti subrotundi vel angulares, 12—18 per mm. Stipes 4—7 cm longus, 1.5—4.5 cm crassus, obclavatus, apice striatus, basim versus bulbosus, siccus, nonnumquam reticulatus, badius vel nigrifractus. Mycelio aurantiaco vel flavo. Basidiosporae 6.5—10.4 $\times$ 5.2—6 μm ovoideae, ellipsoideae, hyalinoaurantiacae. In solutione Melzeri brunneo-aurantiacae. Pleurocystidia 40—65 $\times$ 8—13 μm . fusiformia, clavata. Cheilocystidia 60—88 $\times$ 10—16 μm , clavata. odor gratus et sapor subsaccharatus.

Habitat in sylvis *Cephalocitri grandis* et *Delonicis regiae*. Yunnan: Yuan Yang County (元阳县) Nan Sha River (南沙河) 400m. alt. 11 XI 1973. Q. T. Zhang (张启泰) 1. (Typus HKAS 516); Menglun (勐仑) Xishuang Banna (西双版纳) 30 X 1989, Z. L. Yang (杨祝良) 877 (HKAS: 22180)

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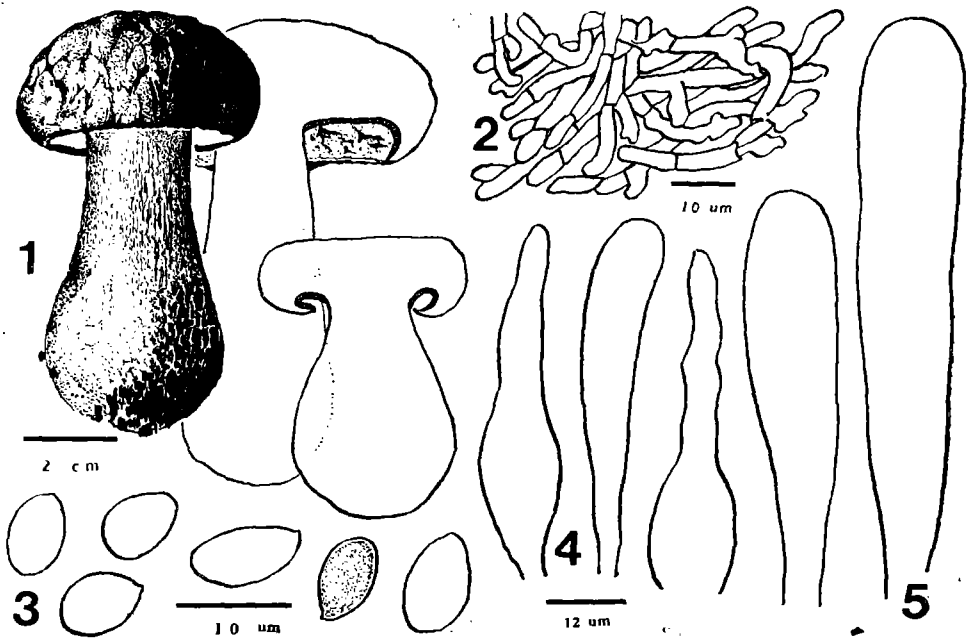


图1 短管牛肝菌

1. 担子果; 2. 盖表层菌丝; 3. 担孢子; 4. 侧缘囊状体; 5. 管缘囊状体

Fig. 1 *Boletus brevistubus* Zang

1. Basidiocarps; 2. Pileus epicutis; 3. Basidiospores; 4. Pleurocystidia; 5. Cheilocystidia

菌盖宽 6—8(—15)cm, 中央凸突, 后期中凸而平展, 干, 具毛绒, 褐色至棕黑色、黑色。盖表菌丝交织型, 菌丝粗 3—5 μ m。盖部菌肉厚 0.5—1.5cm, 黄色, 伤后不变色。菌管极短, 长 0.2—4.5mm, 黄色, 贴生, 弯曲贴生或延生; 菌管单型而径小, 近圆形或具棱角, 每 mm 具 12—18 孔。柄长 4—7cm, 粗 1.5—4.5cm, 近柱状, 顶端表具纵条, 基部渐膨大, 干, 少具网状脉络, 黑色至棕黑色。菌丝金黄色至黄色。担孢子 6.5—10.4 $\times$ 5.2—6 μ m, 卵形至椭圆形, 透明—金黄色。迂梅氏液呈褐金黄色。侧缘囊状体 40—65 $\times$ 8—13 μ m, 纺锤状、棒状。管缘囊状体 60—88 $\times$ 10—16 μ m, 棒状。菌肉香, 尝之微甘。

本新种采自云南省南部, 其子实体新鲜时呈黑色, 菌管极短, 长仅 0.2—4.5mm, 管孔单一型且细小, 这一特征不同于牛肝菌组的其他种, 故宜另立新亚组, 即短管牛肝菌亚组。本种的孢子卵圆形至椭圆形, 其孢子形态颇似圆孢牛肝菌属 *Gyroporus*, 但本种菌柄是典型的内实, 粗壮肉质, 不中空, 有网络; 菌肉黄色, 不呈白色; 子实层菌管连柄处贴生或下延, 但不下陷或离生, 根据这些特征足可另立新亚组和新种, (Smith & Thiers, 1971; Snell & Dick, 1970) 而隶于牛肝菌属。该种采于热带地区的柚子 *Cephalocitrus grandis* (Obs.) Tseng 和凤凰木 *Delonix regia* (Bojer) Rafin. 树下, 有否外生菌根关系尚不详。

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BOLETUS BREVITUBUS—A NEW TAXON OF GENUS BOLETUS FROM YUNNAN

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ABSTRACT A new taxon of Genus *Boletus* collected from Southern Yunnan, it is described as *Boletus brevitubus* Zang to be placed in Sect. *Boletus*, Subsection Brevitubi Zang nov. subsect. It is a clear difference in darkish colour when the specimens are fresh and the hymenium by its slightly shortest and smaller tubes (0.2—4.5mm long), pores simple minute (12—18 per mm.), and the basidiospores are remarkable for their roundish to ellipsoid, which distinguish it immediately from all other taxa treated in any subsections in Sect. *Boletus*. The morphology of basidiospores although looked similar to the genus *Gyroporus*, yet the stipe is typically solid, reticulate, fleshy and thickened, never hollow, context always yellow, but not whitish, hymenophore always adnate or decurrent never depressed to free or nearly so, which at least for the present is being recognized as a new subsection and a new taxon. This new species has been collected fruiting solitarily under *Cephalocitrus grandis* (Obs.) Tseng and *Delonix regia* (Bojer) Rafin. in tropical area, but the mycorrhizal association and affinities of this fungus are not known.

KEY WORDS Subsect. Brevitubi; *Boletus brevitubus*