

***Inocybe sericella*, a new species of *Inocybe* sect.
Inocybe [= *Cortinatae*] from Kobe, Japan**

by

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With 2 figures and 1 table

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Abstract: *Inocybe sericella*, a new species from Kobe, Japan, is described. It belongs to section *Inocybe* (= *Cortinatae*) since it has a cortina and nodulose spores. This species is remarkable in the section *Inocybe* since it possesses caulocystidia below the cortina.

Introduction

During taxonomic studies on Inocybaceae, the authors encountered various apparently hitherto unknown taxa. Several of these have been reported by the senior author (Kobayashi 1993, 1995, 2002a,b, 2003, 2005, 2009, Kobayashi & Courtecuisse 1993, 2000 and Nukada et al. 2000).

Kühner & Boursier (1932) introduced the section *Cortinatae* Kühner & Boursier, to which they assigned 9 species, namely *Inocybe casimiri* Vel., *I. longicystis* Atk., *I. ovatocystis* Boursier & Kühner, *I. pseudoasterospora* Boursier & Kühner, *I. umbrina* Bres., *I. nappies* J.E.Lange, *I. acuta* Boud., *I. subcarpta* Boursier & Kühner, and *I. decipientoides* Peck. The section *Cortinatae* has been accepted as synonymous to the section *Inocybe* (autonym) by Singer (1986) and Kobayashi (2002a). However, Matheny (2005, 2009) performed molecular phylogenetic studies using RPB and nLSU sequences and found that these 2 sections are not monophyletic. *Inocybe casimiri* has been transferred to a new subgenus of *Inocybe*, namely, subgenus *Leptocybe* Takah. Kobay. since it has nodulose spores and thin-walled cheilocystidia and caulocystidia (Kobayashi 1993). In this study, all other species examined by

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227