

Outlineoffungi.org - Note 895 *Rhodoantrodia*

Web-links: [Index Fungorum](#), [Facesoffungi](#), [MycoBank](#), [GenBank](#)

Rhodoantrodia B.K. Cui, Y.Y. Chen & Shun Liu

Based on morphological characters and combined sequence analyses of ITS, LSU, SSU, mtSSU, *TEF1*, and *RPB2*, Lui et al. (2023) proposed the genus *Rhodoantrodia* to accommodate *Antrodia* s.l. species. Two species are accepted in *Rhodoantrodia* involving *Rhodoantrodia tropica* (B.K. Cui) B.K. Cui, Y.Y. Chen & Shun Liu (= *Antrodia tropica* B.K. Cui) previously reported from Hainan province, China (Cui 2012) and *R. yunnanensis* (M.L. Han & Q. An) B.K. Cui & Shun Liu (= *Antrodia yunnanensis* M.L. Han & Q. An) reported from Yunnan Province, China (Han et al. 2020). Phylogenetically, *Rhodoantrodia* is unique and distinct from *Antrodia* s.s. clade but nested with other brown rot fungi such as *Buglossoporus*, *Cartilosoma*, *Dentiporus*, *Fragifomes*, *Melanoporia*, *Neoantrodia*, *Neolentiporus*, *Niveoporofomes*, *Rhodofomes*, *Rubeliofomes* and *Subantrodia* (Cui 2012, Han et al. 2020, Lui et al. 2023). *Rhodoantrodia* significantly differs from *Antrodia* s.s. by annual, resupinate, soft corky to corky light basidiomata. The pore surface light purple, violaceous to pinkish buff, with angular pores, tubes concolorous with pore surface. Hyphal system; dimitic, generative hyphae clamped, skeletal hyphae dominant, IKI–, CB–. Cystidia and cystidioles absent. Basidiospores thin-walled, smooth, cylindrical to subfusiform. The taxonomic placement of *Micromelanconis* is in *Fomitopsidaceae*, *Polyporales*, and *Agaricomycetes*.

References

- Cui BK. 2013 – *Antrodia tropica* sp. nov. from southern China inferred from morphological characters and molecular data. *Mycological Progress* 12, 223–230. <https://doi.org/10.1007/s11557-012-0829-7>
- Han ML, An Q, Fu WX, Cheng X, Bu T, Li WJ. 2020 – Morphological characteristics and phylogenetic analyses reveal *Antrodia yunnanensis* sp. nov. (*Polyporales*, *Basidiomycota*) from China. *Phytotaxa* 460, 1–11. <https://phytotaxa.mapress.com/pt/article/view/phytotaxa.460.1.1/41315>
- Liu S, Chen YY, Sun YF, He XL, Song CG, Si J, Liu DM, Gates G, Cui BK. 2023 – Systematic classification and phylogenetic relationships of the brown-rot fungi within the *polyporales*. *Fungal Diversity* <https://doi.org/10.1007/s13225-022-00511-2>.

Entry by

Kezhocuyi Kezo, Centre for Advanced Studies in Botany, University of Madras, Guindy Campus, Chennai-25, Tamil Nadu, India

(Edited by **Kevin D. Hyde & Maryam Tavakol Noorabadi**)

Published online 5 April 2024