

## Outlineoffungi.org - Note 1431 *Neoacrodontium*

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### *Neoacrodontium* Crous & Decock

Crous et al. (2022) established *Neoacrodontium* under *Amplistromataceae* (*Amplistromatales*, *Incertae sedis*, *Sordariomycetes*, *Pezizomycotina*, *Ascomycota*) to accommodate *Neoacrodontium gallicum* Crous & Decock as the type species. This taxonomic revision was grounded in both morphological characteristics and phylogenetic analyses utilizing LSU and ITS sequence data. The second species is *Neoacrodontium hydnicola* (Peck) Crous & Decock. In *Neoacrodontium*, the mycelium is constructed of subhyaline to pale olivaceous, smooth, thin-walled, septate, and branched hyphae. Conidiophores are erect, brown at the base, branched subverticillately, and septate. Conidiogenous cells are integrated, featuring a flask-form basal part with a long, flexible extension. Conidia are solitary, subhyaline, subglobose, and base with unthickened truncate scar. The sexual morph has not been observed. The type species was isolated from bore dust of *Xestobium rufovillosum* feeding on *Quercus* wood in France. *Neoacrodontium* (*Amplistromataceae*) is genetically different from similar-looking genera like *Acrodontium* (*Teratosphaeriaceae*) and *Xenoacrodontium* (*Xenoacrodontiaceae*). *Neoacrodontium gallicum* and the strain CBS 349.55 (origin unknown, growing on a keratinous substrate), previously identified as *Acrodontium hydnicola*, have been reclassified under the same genus, indicating their taxonomic congruence (Crous et al. 2022).

### Reference

Crous PW, Boers J, Holdom D, Steinrucken TV et al. 2022 – Fungal Planet description sheets: 1383–1435. *Persoonia-Molecular Phylogeny and Evolution of Fungi* 48(1), 261–371.

### Entry by

**Maryam Tavakol Noorabadi**, Innovative Institute for Plant Health, Zhongkai University of Agriculture and Engineering, Guangzhou 510225, People’s Republic of China

(edited by **Kevin D. Hyde**)

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