

## Outlineoffungi.org - Note 952 *Cryptocaliciales*

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### *Cryptocaliciales* M. Prieto, Etayo & Olariaga

*Cryptocaliciales* was introduced to accommodate a single family *Cryptocaliciaceae* Etayo, Olariaga and M. Prieto in the subclass *Cryptocaliciomycetidae* based on morphological characters and molecular analysis with 5.8S ITS, LSU, SSU, MCM7, RPB1 and RPB2 sequence data. *Cryptocaliciomycetidae* formed a sister clade with [Eurotiomycetidae](#) and *Coryneliomycetidae*. The species of *Cryptocaliciomycetidae* differ from those of *Eurotiomycetidae* in having apothecia with a hamathecium and hemiamyloid asci and separate clade with phylogenetic analysis. *Cryptocaliciaceae* is typified by [Cryptocalicium](#) Etayo, Olariaga and M. Prieto and this genus is monotypic with the species [Cryptocalicium blascoi](#) Etayo, Olariaga and M. Prieto. The order comprises the tiny calicioid taxa and was reported from Spain on the inner side of loose bark strips of *Cupressaceae* (*Cupressus*, *Juniperus*). Therefore, it is likely to have been overlooked and to have a considerably wider distribution ([Prieto et al. 2021](#)). Ascomata are apothecioid and stalked, and produces a mazaedium. The hymenium has septate sterile protruding elements. Asci are clavate and bitunicate which have a long pedicel with evanescent walls. Ascospores are globose to subglobose and pale brown. The taxonomic placement of this order is in *Cryptocaliciomycetidae*, [Lecanoromycetes](#), [Pezizomycotina](#) and *Ascomycota*.

### Reference

Prieto M, Etayo J, Olariaga I. 2021 – A new lineage of mazaediate fungi in the *Eurotiomycetes*: *Cryptocaliciomycetidae* subclass. nov, based on the new species *Cryptocalicium blascoi* and the revision of the ascoma evolution. *Mycological Progress* 20(7), 889–904. <https://doi.org/10.1007/s11557-021-01710-y>

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