

## Outlineoffungi.org - Note 669 *Pseudosperma*

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***Pseudosperma*** Matheny & Esteve-Rav., Matheny, Hobbs & Esteve-Raventós

*Pseudosperma* is an agaric genus having ecomycorrhizal associations with a wide range of plants. Phylogenetic analysis based on ITS, LSU, *rpb1*, *rpb2*, *tef1* and SSU indicated its sister position to the subclade unifying *Inocybe sensu stricto* and *Nothocybe* within *Inocybaceae* ([Matheny et al. 2020](#)). The type species is *P. sororium* (Kauffman) Matheny & Esteve-Rav. Compared with other species of *Inocybaceae*, species in this genus are characterized by a combination of the rimulose to rimose pileus, furfuraceous to appressed furfuraceous stipe with a pruinose apex, elliptic to subphaseoliform basidiospores, absence of pleurocystidia, presence of thin-walled cheilocystidia and sometimes spermatic smell ([Matheny et al. 2020](#)). The asexual morph is unknown. Species in *Pseudosperma* contain muscarine, a neurotoxin that could cause poisoning incidents ([Kosentka et al. 2013](#); [Zhao et al. 2022](#)). There are one hundred and one species in this genus ([Yu et al. 2020](#); [Zhao et al. 2022](#)). *Pseudosperma* is currently placed in *Inocybaceae*, *Agaricales*, *Agaricomycetidae*, *Agaricomycetes*, *Agaricomycotina*, *Basidiomycota*.

### References

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