

## Outlineoffungi.org - Note 395, [Phormopsora](#)

[Phormopsora](#) Elvebakk et al.

Based on phylogenetic analyses of the ITS, nuclear large subunit rRNA, mitochondrial small subunit rRNA, and MCM7 genes, species previously treated as *Pannaria hispidula* and [P. isabellina](#) were shown to represent two new *Pannariaceae* genera, [Hispidopannaria](#) and *Phormopsora*. [Phormopsora](#) is monospecific and is the only member of *Pannariaceae* which contains norstictic and connorstictic acids. Its thallus of large, branched squamules with large, foliose cephalodia and its bullate perispores with long-apiculate apical extensions also separate it from *Pannaria* Delise ex Bory ([Elvebakk et al. 2020](#)) (M. Erdoğan).

### Reference

Elvebakk A, Hong SG, Park CH. 2020 – *Hispidopannaria* and *Phormopsora*, two new and small, but evolutionary old *Pannariaceae* lichen genera from southern South America. *Mycological Progress* 19, 1353–1364. [Doi 10.1007/s11557-020-01632-1](https://doi.org/10.1007/s11557-020-01632-1)