

Heimioporus cooloolae



Heimioporus cooloolae © Roy Halling

- Cap:** convex to plano-convex becoming plane; 35–50 mm diameter; dry, finely subtomentose; pink with red and yellow tones; slightly appendiculate.
- Stipe:** cylindrical, often curved; 70–90 × 10–15 mm; dry; floccose at the apex, striate below; yellow to bright yellow at the apex, dull yellow becoming red then rhubarb red at base; some olive mustard tomentum at the base.
- Pores:** adnexed; greenish yellow to olive, hardly staining on bruising or very slightly blueing.
- Flesh:** white with slight yellowing below cap; yellow in upper part of stipe with red in the base and some very slight blueing.
- Taste:** mild.
- Smell:** mildly boletoid.
- Spore print:** pale brown?
- Spores:** broadly ellipsoid to ovate; 9.8–13.8 × 4.9–7 µm, average 11.2 × 6.2 µm, Q = 1.82; rugulose with crater like pits.
- Basidia:** clavate; 25–31 × 8–11 µm; 4 spored.
- Cheilocystidia:** clavate to subclavate, thin walled, 30–45 µm long.
- Pleurocystidia:** rare; fusoid; up to 55 µm long.
- Dermatocystidia:** absent.
- Pileipellis:** a trichoderm with terminal cells cylindrical to sub-capitate; clamps absent.
- Habitat:** in sand with *Eucalyptus*, *Allocasuarina* and *Leptospermum*.
- Notes:** This description is based on Fechner and Halling's recently published description from the Great Sandy National Park. This species is difficult to distinguish from *H. fruticicola* in the field, but the spores are slightly smaller, shorter and less pitted.