

Tylopilus sp. 10



Tylopilus sp. 10 © Pat Leonard

Cap: convex; 40 – 50 mm diameter; glabrous but matt; dark cocoa brown (8E4); not appendiculate.

Stipe: distinctly clavate; 60 × 15 – 20 mm; fibrillose; dark reddish brown (8E4) but slightly paler than cap.

Pores: white to cream; becoming pink as the spores mature.

Flesh: white, unchanging.

Taste:

Spore print: pink.

Spores: subfusiform; 8.8 – 12.8 × 3.7 – 5.5 μm, average 10.9 ± 1.1 × 4.1 ± 0.4 μm, Q = 2.07 – 3.38, average Q = 2.66 ± 0.32; smooth.

Basidia: strongly clavate; 45 – 55 × 12 – 15 μm; 3 or 4 spored.

Pleurocystidia: distinctive, honey coloured in KOH; clavate with a pointed to rostrate apex; 50 – 60 × 10 – 12 μm.

Pileipellis: a disrupted trichoderm of ± cylindrical honey coloured hyphae 5 – 7 μm wide.

Habitat: in dry sclerophyll forest under *Eucalyptus* and *Kunzea*.

Notes: this all brown *Tylopilus* cannot readily be identified in the field. Spore size and the strange pleurocystidia may be the key to identifying this taxon but more collections are needed.

Collections examined: BRIP 9168: Cooloola, Queensland, R.E. Prebble, 13 Feb 1980; PL70313, Crows Nest National Park, Pat Leonard, 14 Mar 2013.