

Gymnopilus eucalyptorum



Gymnopilus eucalyptorum © Pat Leonard

Cap: convex; 50 - 70 mm diameter; pale cream (4A3) but orange brown (5B7) at the centre; glabrous with minute fibres and brownish orange squamules (7C8) scattered, but more concentrated at centre; margin appendiculate.

Stipe: stout and more or less clavate; 90 × 20 mm; pale cream, faintly striate towards lower half.

Gills: adnexed, crowded, light yellow to golden (4A5); lamellulae in two intercalated series; edge concolorous.

Flesh: thick, firm, pale cream but bruising brownish orange where damaged.

Spore print: rust.

Spores: ellipsoid, but amygdaloid in side view; 7 - 9 × 5 - 8 μm; with oily droplets, unornamented, inamyloid.

Basidia: clavate; 30 - 40 × 7 - 9 μm; four spored.

Cheilocystidia: scattered, clavate, 30 × 5-8 μm.

Pileipellis: a cutis of interwoven hyphae with bundles of dark brown hyphae emerging to form the squamules.

Habitat: Growing in deep woody litter at the base of a large *Eucalyptus pilularis* in a damp creek with rainforest under storey.

Notes: Grgurinovic describes this species as usually found in subcaespitose groups and much smaller. In Queensland it seems to be common as single specimens at the base of living *Eucalyptus* trees.

Collections examined: PL 51008, Maroochy Bushland Botanic Garden, 20 October 2008, PL 80418, Yurol State Forest, Pat Leonard, 2 Apr 2018.