

***Pertusaria irregularis* Müll.Arg., *Bull. Herb. Boissier* 3: 638 (1895)**

T: Thursday Is., Qld, *C.Knight* 31 p.p.; lecto: G, *fide* A.W.Archer, *Telopea* 4: 170 (1991).

Illustration: A.W.Archer, *Biblioth. Lichenol.* 69: 76, fig. 24 (1997).

Thallus pale yellowish white, thick, coarsely cracked and areolate, smooth and dull. Soredia and isidia absent. Apothecia verruciform, inconspicuous, flattened-hemispherical, 0.8–1.0 mm diam. Ostioles conspicuous, black, 1–3 per verruca. Ascospores 2 per ascus, fusiform, smooth, (120–) 130–155 × 35–47 µm.

Chemistry: Thallus K–, KC–, C–, Pd–; containing 4,5-dichlorolichexanthone (major) and ±2,4,5-trichlorolichexanthone (trace).

Uncommon in north-eastern Qld where it grows in mangroves; also in Fiji, New Caledonia and Papua New Guinea.

Qld: Endeavour R., 11 km from Cooktown, *D.Verdon* 5432 (CANB); Ross Ck, Yeppoon, *J.A.Elix* 34611 (CANB).

The species is characterised by asci with 2 smooth, fusiform ascospores and the presence of 4,5-dichlorolichexanthone as the only major lichen compound.