Pocillithus crucifer Lees, Bown & Young in Bown et al. (2017)

**Derivation of name:** From the Latin *crucifer*, meaning ‘cross-bearing’, referring to the central cross structure.

**Diagnosis:** SEM – miniscule to very small *Pocillithus* protolith spanned by a proximal plate(?) supporting a right-angled cross that bears a tall, narrow, lathy, hollow spine.

**Differentiation:** *Pocillithus spinulifer* has a central cross that forms a square spine-base, and the spine is square in cross-section; *P. macleodii* has a proximal plate that supports the spine, and no cross.

**Holotype:** Figure 7b:4.

**Paratype:** Figure 4:5.

**Type locality:** TDP Site 31, WNW of main road, SW of Lindi, coastal Tanzania.

**Type level:** TDP31/41-1, 20 cm, Subzone UC6b-7, Lower Turonian.

**Dimensions:** Diameter = 1.0 μm.

**Occurrence:** TDP Site 31; Lower Turonian; Subzone UC6b-UC7.

**Remarks:** Figure 4:6 and 4:10 may belong to the same species, but have squarish outlines.