
Derivation of name: After Dr. Paul Bown, in recognition of his work on Mesozoic nannofossils.

Diagnosis: A form comprising a basal plate composed of elements which form an indistinct rim (probably a preservational feature) and a perforated distal part. The perforations are subhexagonal. In the LM, focusing on the distal part shows the reticulated nature of this. Focusing on the base, the perforations can be seen to extend into the core of the form. The LM side-view again reveals the extensive perforations and a coccolith-like base with a cavate central area.

Remarks: This form is tentatively placed in *Petrobrasiella* (= *Athenagalea* Hattner & Wise, 1980) which differs in having irregularly-spaced perforations on the outside which, in LM side-view, can be seen to branch from a central core rather than extend in a straight line, and no discernible coccolith base. Also, *Petrobrasiella* has affinities with *Lucianorhabdus* Deflandre, 1959, which the new species does not appear to share.

Holotype: Plate 1, Figure 32 (SEM); Neg.# UCL-5048-3.

Holotype dimensions: 7.0µm diameter, 6. 7µm high. (LM illustrations: 7.4µm diameter, 6.5µm high.)

Type location: DSDP Site 249, Mozambique Ridge. W Indian Ocean.

Type level: Sample DSDP 249-17-2, 109-110cm, Campanian/Maastrichtian, CC22a-23b.

Range: Upper Campanian/Lower Maastrichtian.