

**Broinsonia** BUKRY, 1969

**Description:**

Elliptical coccolith characterized by 2-cycle rim in distal view and 3-tier proximal rim, which is at 3 distinct levels with interelement sutures maintaining same inclination across each tier. Central area comprising single shield divided into quadrants by axial sutures, quadrants perforated in various manners.

**Remarks:**

1) Distal plate elements are more orthogonal and more regularly arranged than those of *Gartnerago* BUKRY, n. gen. 2) The inner cycle of elements on the distal surface distinguishes *Broinsonia* from *Gartnerago* and *Arkhangelskiella* VEKSHINA. Only *Broinsonia* has a cycle of irregularly margined «square» elements which have a peripheral extension paralleling the outer margin of the cycle. These oddly shaped elements are usually further modified by having a broad dimple. 3) Perforations are slitlike or circular as in *Arkhangelskiella*. 4) The rims contain fewer elements than *Gartnerago*. 5) In proximal view, *Broinsonia* is not distinguished from *Arkhangelskiella* by rim structure. Central-area perforation or ornamentation is usually distinctive.

**Type species:**

*Broinsonia dentata* BUKRY, 1969.

**Author:**

Bukry D., 1969, p. 21.

**Reference:**

Upper Cretaceous Coccoliths from Texas and Europe. Univ. Kansas Paleont. Contr., Art. 51 (Protista 2), 79 pp., 40 pls., 1 text-fig.