

[Open Peer Review on Qeios](#)

Bizelesin

National Cancer Institute

Source

National Cancer Institute. *Bizelesin*. NCI Thesaurus. Code C1472.

A synthetic cyclopropylpyrroloindole antineoplastic antibiotic. Bizelesin binds to the minor groove of DNA and induces interstrand cross-linking of DNA, thereby inhibiting DNA replication and RNA synthesis. Bizelesin also enhances p53 and p21 induction and triggers G2/M cell-cycle arrest, resulting in cell senescence without apoptosis. (NCI04)