

[Open Peer Review on Qeios](#)

Pibrozelesin

National Cancer Institute

Source

National Cancer Institute. *Pibrozelesin*. NCI Thesaurus. Code C1542.

A semisynthetic water-soluble derivative of the antineoplastic antibiotic duocarmycin B2. Activated by carboxyl esterase, pibrozelesin alkylates DNA by binding to adenine-thymine (A-T)-rich sequences in the minor groove of DNA, thereby inhibiting DNA replication and inducing apoptosis.