

[Open Peer Review on Qeios](#)

Bisantrene Hydrochloride

National Cancer Institute

Source

National Cancer Institute. *Bisantrene Hydrochloride*. NCI Thesaurus. Code C77218.

The hydrochloride salt of an anthracenyl bishydrazone with antineoplastic activity.

Bisantrene intercalates with and disrupts the helical structure of DNA, resulting in DNA single-strand breaks, DNA-protein crosslinking, and inhibition of DNA replication. This agent is similar to doxorubicin in activity, but unlike doxorubicin, does not exhibit cardiotoxicity.