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Elsamitrucin

National Cancer Institute

Source

National Cancer Institute. *Elsamitrucin*. NCI Thesaurus. Code C1080.

An heterocyclic antineoplastic antibiotic isolated from the bacterium Actinomycete strain J907-21. Elsamitrucin intercalates into DNA at guanine-cytosine (G-C)-rich sequences and inhibits topoisomerase I and II, resulting in single-strand breaks and inhibition of DNA replication. (NCI04)