

[Open Peer Review on Qeios](#)

# Actinomycin C3

National Cancer Institute

## Source

National Cancer Institute. *Actinomycin C3*. NCI Thesaurus. Code C99564.

A natural analogue of actinomycin, a chromopeptide antineoplastic antibiotic isolated from the bacterial genus *Streptomyces*. Actinomycin C3 inhibits DNA replication as well as RNA and protein synthesis by various mechanisms such as intercalating into the minor groove of DNA and interfering with the function of topoisomerase II.