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Annals of Biological Research

Abstract

[Cancer treatment with using cyanobacteria and suitable drug](#)

[delivery system](#)

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Cyanotoxins are toxins produced by bacteria called cyanobacteria. The presence of cyanotoxins as anatoxin-a and microcystins/nodularin was confirmed by HPLC and ELISA analyses. These microorganisms produced toxins which have the possible use in cancer therapy. In this article we proposed a plan to conduct cancer treatment with using the suitable drug delivery system. The produced toxin can be entrapped in collagen and released in specific tissue with collagenase activity. Therefore the toxins are released only in bone cancer cells. Nanoparticles of Cyanobacterial toxins with more suitable carriers are going to be discussed further on.

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