Journal of Innovations in Pharmaceutical and Biological Sciences (JIPBS)
ISSN: 2349-2759
Available online at www.jipbs.com

Review article

Site specific nanoparticles for effective treatment of cancer: Basic concepts and strategies

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Received on: 22/07/2020, Revised on: 31/07/2020, Accepted on: 02/08/2020, Published on: 10/08/2020.

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Keywords: Drug delivery, Nanoparticles, Cancer treatment.

Vol. 7 (3): 54-58, Jul-Sep, 2020.

Abstract

In the recent trend of technology, the nanoparticles provide a new method of cancer drug delivery functioning as a carrier for entry through fenestrations in tumor vasculature allowing direct cell access. These nanoparticles permit exquisite changes for binding to cancer cell membranes. Therefore, the high drug doxorubicin.in addition to this the modification in folate receptor and transferrin receptor leads the cancer treatment by reduced injury of normal cells. By successively addressing each of these barriers, innovative design features can be rationally incorporated that will create a new generation of nanotherapeutics, realizing a paradigmatic shift in nanoparticle-based drug delivery. This extensive survey includes the novel approach of the drug delivery by using nanoparticle will enhance the cancer treatment.