

## **Biological And Pharmaceutical Applications Of Nanomaterials**

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### **Biological And Pharmaceutical Applications Of**

In this paper, the various aspects of the investigation results of the bioactivities of polysaccharides were summarized, including its diversity pharmacological applications, such as immunoregulatory, anti-tumor, anti-virus, antioxidation, and hypoglycemic activity, and their application of polysaccharides in the treatment of disease are also discussed.

### **Biological activities and pharmaceutical applications of ...**

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Hormesis is the bimodal response of biological systems to an external unfavorable stressor (e.g., the toxic chemical compounds) in which low doses cause stimulation (mainly due to the activation of the defense mechanisms of organisms) and higher doses exert an inhibition (depressing effect) []; see Fig. 8.3. Indeed the influence of lanthanide concentration on certain biological processes is ...

## **Biological, biomedical and pharmaceutical applications of ...**

Biological and Pharmaceutical Applications of Nanomaterials presents the findings of cutting-edge research activities in the field of nanomaterials, with a particular emphasis on biological and pharmaceutical applications. Divided into four sections—nanomaterials for drug delivery, antimicrobial nanomaterials, nanomaterials in biosensors, and safety of nanomaterials—this book:

## **Biological and Pharmaceutical Applications of ...**

In general, the application of polysaccharides can be divided into two categories: one is the use of polysaccharide easy to form gel, with high osmotic pressure, high viscosity and water absorption and other unique physical and chemical properties to prepare pharmaceutical materials, drug release agent and plasma substitutes; the other is the biological activities of polysaccharides, their antigenicity, anti-tumor and other biological function to prepare vaccines or new drugs.

## **Biological activities and pharmaceutical applications of ...**

A biopharmaceutical, also known as a biologic medical product, or biologic, is any pharmaceutical drug product manufactured in, extracted from, or semisynthesized from biological sources. Different from totally synthesized pharmaceuticals, they include vaccines, blood, blood components, allergenics, somatic cells, gene therapies, tissues, recombinant therapeutic protein, and living medicines used in cell therapy. Biologics can be composed of sugars, proteins, or nucleic acids or complex combinat

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## **Biopharmaceutical - Wikipedia**

Pharmaceutical Applications of NMR and EPR. Bruker offers a robust portfolio of technologies for pharma and biotech applications and analysis.

## **Pharmaceutical Applications | Biotech | Pharma | Analysis ...**

Congress, through the Biologics Price Competition and Innovation Act (BPCI Act) of 2009, created an abbreviated licensure pathway for biological products that are demonstrated to be biosimilar to ...

## **Biosimilars | FDA**

Oregano is mainly used in food, spice and pharmaceutical industries. Carvacrol is responsible for the biological activities of oregano. Many diverse activities of carvacrol such as antimicrobial, antitumor, antimutagenic, antigenotoxic, analgesic, antispasmodic, antiinflammatory, angiogenic, antiparasitic, antiplatelet, AChE inhibitory ...

## **Biological and pharmacological activities of carvacrol and ...**

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Transgenic (Tg) mice are very important models of disease, and have been introduced to biological studies since 1982. They are used for understanding the pathobiology of different diseases, finding targets for pharmacological manipulations, and for the evaluation of efficacy and toxicity of medicines in preclinical studies.

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## **Transgenic Animals in Pharmaceutical and Biological ...**

The Biologics License Application (BLA) is a request for permission to introduce, or deliver for introduction, a biologic product into interstate commerce (21 CFR 601.2). The BLA is regulated under...

## **Biologics License Applications (BLA) Process (CBER) | FDA**

Pharmaceutical Applications. ABITEC's lipid based excipients offer numerous advantages for an array of pharmaceutical applications. We provide solutions in solubilization, emulsification, and lubrication as well as permeation enhancement and encapsulation. Our excipients are utilized widely by formulators in solving their drug delivery issues.

## **Pharmaceutical Applications - ABITEC**

PEGylated nanoparticles for biological and pharmaceutical applications Adv Drug Deliv Rev. 2003 Feb 24;55(3):403-19. doi: 10.1016/s0169-409x(02)00226-0. Authors Hidenori Otsuka 1 , Yukio Nagasaki, Kazunori Kataoka. Affiliation 1 Biomaterials Center, National ...

## **PEGylated nanoparticles for biological and pharmaceutical ...**

ALG Biological Activity and Application in Pharmaceutical Products ALG are regarded as biocompatible, nonimmunogenic, and nontoxic materials [ 2 ]. Although ALG gel is not degradable in mammalian digestive tract (alginase/lyase enzyme involved in depolymerization of ALG is present only in prokaryotic and eukaryotic microorganisms) [ 120 ], it simply dissolves as a result of elution of cross-linking calcium ions.

## **Alginate: Current Use and Future Perspectives in ...**

127. applications in HPLC in pharmaceutical analysis.pdf Published (applications in HPLC in pharmaceutical analysis).pdf Int. J. Pharm. Sci. Rev. Res., 59(1), November - December 2019 ;

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## **(PDF) applications in HPLC in pharmaceutical analysis**

Thorough coverage of the applications of ion chromatography to the analysis of pharmaceutical drugs and biologicals. Since its introduction in the mid-1970s, ion chromatography (IC), a high-performance liquid chromatography technique, has developed into an important analytical methodology for a number of applications in the pharmaceutical, biotechnology, and environmental industries.

## **Applications of Ion Chromatography for Pharmaceutical and ...**

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## **(PDF) Synthetic hydroxyapatite in pharmaceutical applications**

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## **Applications of Ion Chromatography for Pharmaceutical and ...**

Here, we address the advantages of using ILs in modern pharmaceuticals and describe state-of-the-art in the research on their biological activity and biomedical applications. Main fields of pharmaceutical employment include usage of ILs as components of drug or drug delivery systems and as complementary participants in drug synthesis.

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