

drug delivery and targeting pdf

Drug delivery refers to approaches, formulations, technologies, and systems for transporting a pharmaceutical compound in the body as needed to safely achieve its desired therapeutic effect. It may involve scientific site-targeting within the body, or it might involve facilitating systemic pharmacokinetics; in any case, it is typically concerned with both quantity and duration of drug presence.

Drug delivery - Wikipedia

1.. Introduction Polymer nanoparticles are particles of less than 1 $\frac{1}{2}$ μ m diameter that are prepared from natural or synthetic polymers. Nanoparticles have become an important area of research in the field of drug delivery because they have the ability to deliver a wide range of drugs to varying areas of the body for sustained periods of time.

Biodegradable nanoparticles for drug delivery and targeting

Targeted drug delivery, sometimes called smart drug delivery, is a method of delivering medication to a patient in a manner that increases the concentration of the medication in some parts of the body relative to others. This means of delivery is largely founded on nanomedicine, which plans to employ nanoparticle-mediated drug delivery in order to combat the downfalls of conventional drug ...

Targeted drug delivery - Wikipedia

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Journal of Drug Delivery Science and Technology

Theranostics 2016; 6(9):1306-1323. doi:10.7150/thno.14858. Review. The Smart Drug Delivery System and Its Clinical Potential . Dong Liu, Fang Yang, Fei Xiong, Ning Gu ...

The Smart Drug Delivery System and Its Clinical Potential

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Placenta-specific drug delivery by trophoblast-targeted

The most promising application of nanomaterials is the promise of targeted, site-specific drug delivery. The potential of eliminating a tumorous outgrowth without any collateral damage through nanomaterial-based

drug delivery has created significant interest and nanoparticles form the basis for bio-nano-materials [] and major efforts in designing drug delivery systems are based on ...

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Drug & disease targets glossary & taxonomy

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Full Text of the Food Safety Modernization Act (FSMA)

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