

Download Liposomes In Drug Delivery Drug Targeting And Delivery

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 ...Liposomes are closed spherical vesicles consisting of a lipid bilayer that encapsulates an aqueous phase in which drugs can be stored. The liposome diameter varies from 400 nm to 2.5 μ m. Nanoparticles (NPs), which are particles ranging in size from 1 to 100 nm, exhibit unique physical and chemical properties that can be exploited for drug delivery by conjugation with drugs.

1. Introduction. Targeted drug delivery of chemotherapeutics is an increasingly important area in the field of cancer treatment research. Although conventional chemotherapy remains one of the most important treatment modalities, significant side effects may be induced that can result in preliminary cease of chemotherapy [, ,]. Moreover, chemotherapeutics have an unfavorable biodistribution and ...A liposome is a spherical vesicle having at least one lipid bilayer. The liposome can be used as a vehicle for administration of nutrients and pharmaceutical drugs. Liposomes can be prepared by disrupting biological membranes (such as by sonication).. Liposomes are most often composed of phospholipids, especially phosphatidylcholine, but may also include other lipids, such as egg ...