

Download Liposomes In Drug Delivery Drug Targeting And Delivery

Liposomes in Drug Delivery is a timely update on recent progress with liposomal delivery systems. The recent marketing in some countries of a liposomal amphotericin-B preparation takes the subject into a new era after some of the set-backs in the previous decade. Liposomes are classified according to production method, composition as well as size and shape. Liposomes as a drug delivery system include benefits like improved pharmacokinetics and pharmacodynamics, decreased toxicity, enhanced therapeutic efficacy against pathogens and improved drug-target selectivity. Types of liposomal drug delivery platforms. In general, there are four key types of liposomal delivery systems—conventional liposomes, sterically-stabilized liposomes, ligand-targeted liposomes, and a combination of the above (Figure (Figure1). 1). Conventional liposomes were the first generation of liposomes to be developed. Drug delivery using liposomes. To target liposomes to certain tissues or cells, such as tumour cells, a specific binder of a unique protein (an antigen) on the targeted cell, known as a monoclonal antibody, must be linked to the liposome surface. This coupling is called the functionalization of the liposome and done chemically,...