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A Review on Phytosomes: Preparation, Evaluation and Applications

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Abstract: *"Phyto" means plant, and "some" implies cell-like. These two words combine to form phytosomes. Phytosomes were made using the solvent evaporation technique. It could fall between the 1:1 and 1:2 ratio range. Various drug delivery mechanisms, including liposomes, niosomes, transferosomes, ethosomes, phytosomes, colloidosomes, and others, were employed by the phytosomes. Acid-labile herbal medications may also be protected throughout the gastrointestinal system by employing phytosomes, which also improve the rate and extent of the transit of lipophilic herbal ingredients across lipid membranes, explaining their role as a carrier. There are several products on the market that use phytosomal drug delivery, including Camellia sinensis, Silybum marianum, and Ginkgo biloba. In addition to the formulation process, the study includes the chemical and biological properties of phytosomes. Phytosome evaluation and characterization technologies provide insight into several methods that are useful for screening for distinct phytosome characteristics. This page offers a number of basic research methods for the creation and optimization of phytosomes in addition to details on their benefits and physiochemical characteristics.*

Keywords: Phytosomes, Herbal extract, Novel drug delivery system, Phospholipid, Bioavailability

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