

Therapy

Drug transport colloidal system for use in therapy

A research group from Andalusian Public Health System (APHS) has developed a colloidal prednisolone transport system for use in therapy.

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Description

The colloidal transport system can transport prednisolone (or another corticosteroid or other drug) that is formulated by a method of simple, efficient and reproducible synthesis. The colloid is intended to apply for therapy for colorectal cancer, and diseases in which is indicated the use of corticoids, for example, chronic inflammatory diseases.



Aims

This research group is looking to establish a license agreement or agreement for public-private partnership for the development of technology.



Advantages

A glucocorticoid prednisolone is able to reduce inflammation and angiogenesis that ensures the viability and development in the tumor. These therapeutic effects along with others like immunosuppression, necrotic and apoptotic activity are due to genomic and non-genomic mechanism both. The liposome formulation is biocompatible, nontoxic and nonimmunogenic, and is composed of concentric phospholipid bilayers alternating with aqueous compartments.



Classification

Area: Therapy
Technology: Drug Delivery
Pathology: Oncology



Intellectual Property

This technology is protected by patent.