



Therapies/ Biotech (Pharma)

Polymeric nanoparticles for use in therapy

A research group from the Andalusian Public Health System has developed nanoparticles sustained release of active ingredients. The use of such nanoparticles in therapy, preferably for antitumor therapy, and the method of synthesis of these nanoparticles.

Oficina de
**TRANSFERENCIA
DE TECNOLOGÍA**
Sistema Sanitario Público de Andalucía



Description

This new system for transporting biologically active molecules, is capable of being targeted to receptors or targets selectively, and in particular to the functionalization of nanoparticles of poly (butyl cyanoacrylate) (PBCA) or poly (ϵ -caprolactone) (PCL) that transporting a drug, preferably 5-fluorouracil.



Intellectual Property

This technology is protected by patent



Advantages

These new nanoparticles behave as an excellent carrier system pyrimidine analogs, specifically to 5-fluorouracil. Allow optimum vehiculización the anticancer agent, reach a high extravasation into the tumor mass and, in turn, release the drug is controlled. In addition, antitumor efficacy studies in vitro have demonstrated a significant increase of antitumor activity of this drug when vehiculizado through the new nanoparticles



Aims

The group is looking for a license agreement holding and / or collaboration.



Classification

Area: Therapy/ Biotech (Pharma)
Technology: Nanotechnology and Nanomedicine
Pathology: Oncology