

lipid nanoparticles

NCT Number		Title	Authors	Description	Identifier	Dates
1	pubmed:36059881	Novel Phenobarbital-Loaded Nanostructured Lipid Carriers for Epilepsy Treatment: From QbD to <i>In Vivo</i> Evaluation	Sebastian Scioli-Montoto Maria Laura Sbaraglini Jose Sebastian Cisneros Cecilia Yamil Chain Valeria Ferretti Ignacio Esteban León Vera Alejandra Alvarez Guillermo Raul Castro German Abel Islan Alan Talevi Maria Esperanza Ruiz	Pharmacological treatments of central nervous system diseases are always challenging due to the restrictions imposed by the blood-brain barrier: while some drugs can effectively cross it, many others, some antiepileptic drugs among them, display permeability issues to reach the site of action and exert their pharmacological effects. The development of last-generation therapeutic nanosystems capable of enhancing drug biodistribution has gained ground in the past few years. Lipid-based...	pmid:36059881 pmc:PMC9428247 doi:10.3389/fchem.2022.908386	Mon, 05 Sep 2022 06:00:00 -0400
2	pubmed:36061662	Radiolabeled Trastuzumab Solid Lipid Nanoparticles for Breast Cancer Cell: in Vitro and in Vivo Studies	Emre Ozgenc Merve Karpuz Ege Arzuk Marta Gonzalez-Alvarez Marival Bermejo Sanz Evren Gundogdu Isabel Gonzalez-Alvarez	Radiolabeled trastuzumab (TRZ) loaded solid lipid nanoparticles (SLNs) were prepared by high shear homogenization and sonication techniques. The apoptosis mechanism of TRZ-SLNs was studied only with the MCF-7 cell line, while the cytotoxicity and cell binding capacity were investigated using breast cancer cells (MCF-7 and MDA-MB-231) and the human keratinocyte cell line (HaCaT). The particle sizes of TRZ-SLNs were found to be below 100 nm, and they possessed a negative charge. The high...	pmid:36061662 pmc:PMC9435033 doi:10.1021/acsomega.2c03023	Mon, 05 Sep 2022 06:00:00 -0400
3	pubmed:36062261	Advances in lipid-based nanocarriers for breast cancer metastasis treatment	Ingrid Joun Sheri Nixdorf Wei Deng	Breast cancer (BC) is the most common cancer affecting women worldwide, with over 2 million women diagnosed every year, and close to 8 million women currently alive following a diagnosis of BC in the last 5-years. The side effects such as chemodrug toxicity to healthy tissues and drug resistance severely affect the quality of life of BC patients. To overcome these limitations, many efforts have been made to develop nanomaterial-based drug delivery systems. Among these nanocarriers, lipid-based...	pmid:36062261 pmc:PMC9433809 doi:10.3389/fmedt.2022.893056	Mon, 05 Sep 2022 06:00:00 -0400
4	pubmed:36063019	Targeted delivery and anticancer effects of chrysin loaded chitosan-folic acid coated solid lipid nanoparticles in pancreatic malignant cells	Amin Farhadi Masoud Homayouni Tabrizi Soroush Sadeghi Danial Vala Tina Khosravi	The aim of this survey was to load chrysin on solid lipid nanoparticles (SLN) and decorate the nanoparticles with folate-bound chitosan to increase the effectiveness of the treatment.CHY-SCF-NPs were synthesized by homogenizing and sonication methods and characterized. FA binding and encapsulation efficiency (HPLC), antioxidant capacity (ABTS and DPPH), cell viability assay (MTT), programmed cell death analysis (fluorescence staining, flow cytometry, and qPCR), and angiogenesis (CAM and...	pmid:36063019 doi:10.1080/09205063.2022.2121589	Mon, 05 Sep 2022 06:00:00 -0400