lipid nanoparticles

	NCT Number	Title	Authors	Description	Identifier	Dates
1	pubmed:36114430	Formulation of Topical Flurbiprofen Solid Lipid Nanoparticle Gel Formulation Using Hot Melt Extrusion Technique	Arvind Bagde Emmanual Kouagou Mandip Singh	Hot melt extrusion (HME) has been used for the formulation of topical solid lipid nanoparticle (SLN) gel without using any other size reduction technique including high pressure homogenization or sonication. SLN formulation solely using HME has not been applied to other drugs except IBU. Therefore, the purpose of the present study was to formulate FLB SLN solely using HME technique and evaluate the SLN formulation in inflammation animal model. Stable 0.5% w/v FLB SLN gel with particle size	pmid:36114430 doi:10.1208/s12249-022-02410-w	Fri, 16 Sep 2022 06:00:00 -0400
2	pubmed:36124550	Improved biopharmaceutical performance of antipsychotic drug using lipid nanoparticles via intraperitoneal route	Hezhong Ouyang Jinquan Hu XingYing Qiu Shaochang Wu Fudong Guo Youguo Tan	This study aims to develop, characterize and examine Olanzapine-loaded solid lipid nanocarriers (OLAN-SLNs) for effective brain delivery. OLAN has poor water solubility and low penetration through blood brain barrier (BBB). Herein, OLAN-SLNs were fabricated using high pressure homogenization (HPH) method followed by their investigation for particle properties. Moreover, in-vitro release and in-vivo pharmacokinetics profiles of OLAN-SLNs were compared with pure drug. Anti-psychotic activity was...	pmid:36124550 doi:10.1080/10837450.2022.2124521	Tue, 20 Sep 2022 06:00:00 -0400
3	pubmed:36125712	Hepatocyte-Directed Delivery of Lipid-Encapsulated Small Interfering RNA	Laura Morán Marius Maximilian Woitok Matthias Bartneck Francisco Javier Cubero	Lipid formulations for cell transfection are among the most efficient systems for nucleic acid delivery. During the COVID-19 pandemic, lipid-encapsulated RNA (lipid nanoparticles, LNP) has succeeded as a superior vaccine. Moreover, other similar lipid nanocarriers for siRNA are approved and many are on the pipelines. While lipid encapsulation required several devices for the mixing of components, lipoplex technology allows to rapidly mix nucleic acids and positively charged lipids for cell...	pmid:36125712 doi:10.1007/978-1-0716-2557-6_6	Tue, 20 Sep 2022 06:00:00 -0400