

Prof.Dr. İMRAN VURAL

Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Northeastern University, Pharmacy/Health Sciences/Pharmaceutical-Drug Targeting, Amerika Birleşik Devletleri 1993 - 1998

Yüksek Lisans, Hacettepe Üniversitesi, Eczacılık/Sağlık Bilimleri/Farmasötik Teknoloji, Türkiye 1986 - 1989

Lisans, Hacettepe Üniversitesi, Eczacılık Fakültesi, Türkiye 1982 - 1986

Yabancı Diller

İngilizce, C1 İleri

Araştırma Alanları

Sağlık Bilimleri, Eczacılık, Eczacılık Teknolojisi, Farmasötik Teknoloji

Akademik Unvanlar / Görevler

Prof.Dr., Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2012 - Devam Ediyor

Doç.Dr., Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2006 - 2012

Yrd.Doç.Dr., Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2000 - 2006

Araştırma Görevlisi, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 1998 - 2000

Araştırma Görevlisi, Northeastern University, Bouve College Of Pharmacy, Pharmaceutical Sciences, 1993 - 1998

Araştırma Görevlisi, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 1986 - 1992

Akademik İdari Deneyim

Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2016 - 2018

Verdiği Dersler

Farmasötik Teknoloji III Lab-Erzincan Üniversitesi, Lisans, 2016 - 2017

Farmasötik Teknoloji III Erzincan Üniversitesi, Lisans, 2016 - 2017

FARMASÖTİK TEKNOLOJİ III, Lisans, 2016 - 2017

NNT-NANOTEKNOLOJİ İLAÇ HEDEFLENDİRİLMESİ, Doktora, 2016 - 2017

Farmasötik Teknoloji II Lab -Erzincan Üniversitesi, Lisans, 2016 - 2017

FARMASÖTİK TEKNOLOJİ II, Lisans, 2016 - 2017

Farmasötik Teknoloji IV Lab-Erzincan Üniversitesi, Lisans, 2016 - 2017

Farmsötik Teknoloji IV -Erzincan Üniversitesi, Lisans, 2016 - 2017
FARMASÖTİK TEKNOLOJİ İLAB-ERZİNCAN ÜNİVERSİTESİ, Lisans, 2016 - 2017
FARMASÖTİK TEKNOLOJİ I, Lisans, 2016 - 2017
FARMASÖTİK TEKNOLOJİ I-ERZİNCAN ÜNİVERSİTESİ, Lisans, 2016 - 2017
YENİ İLAÇ TAŞIYICI SİSTEMLER, Yüksek Lisans, 2016 - 2017
FARMASÖTİK TEKNOLOJİ I LAB, Lisans, 2016 - 2017

Yönetilen Tezler

VURAL İ., Fosinopril sodyum içeren ağızda hızla dağılan dozaj formlarının geliştirilmesi ve karakterizasyonları, Yüksek Lisans, G.ŞAHİN(Öğrenci), 2016
VURAL İ., Kanser tedavisinde kullanılacak aktif hedeflendirilmiş farmasötik nanotaşıyıcılar, Doktora, C.SARISÖZEN(Öğrenci), 2012
VURAL İ., Development of rapamycin drug delivery systems, their characterization and investigation of the antiproliferative effect on cell cultures, Doktora, M.ABDUR(Öğrenci), 2007

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Poly(2-ethyl-2-oxazoline-co-ethyleneimine)-block-poly(epsilon-caprolactone) based micelles: synthesis, characterization, peptide conjugation and cytotoxic activity**
Gulyuz S., Ozkose U. U. , Khalily M. P. , KESİCİ M. S. , Kocak P., Bolat Z. B. , KARA A., ÖZTÜRK N., ÖZÇUBUKÇU S., BOZKIR A., et al.
NEW JOURNAL OF CHEMISTRY, cilt.45, ss.14532-14547, 2021 (SCI İndekslerine Giren Dergi)
- II. **Development and characterization of pullulan-based orally disintegrating films containing amlodipine besylate**
PEZİK E., Gulsun T., ŞAHİN S., VURAL İ.
European Journal of Pharmaceutical Sciences, cilt.156, 2021 (SCI İndekslerine Giren Dergi)
- III. **Exploiting ionisable nature of PEtOx-co-PEI to prepare pH sensitive, doxorubicin-loaded micelles**
ÖZTÜRK N., KARA A., Gulyuz S., Ozkose U. U. , TAŞDELEN M. A. , BOZKIR A., Yılmaz O., VURAL İ.
JOURNAL OF MICROENCAPSULATION, cilt.37, sa.7, ss.467-480, 2020 (SCI İndekslerine Giren Dergi)
- IV. **Design of ocular drug delivery platforms and in vitro - in vivo evaluation of riboflavin to the cornea by non-interventional (epi-on) technique for keratoconus treatment**
AYTEKİN E., ÖZTÜRK N., Vurla İ., POLAT H. K. , Cakmak H. B. , ÇALIŞ S., Pehlivan S. B.
Journal of Controlled Release, cilt.324, ss.238-249, 2020 (SCI Expanded İndekslerine Giren Dergi)
- V. **Development of an Anti-Inflammatory Drug-Incorporated Biomimetic Scaffold for Corneal Tissue Engineering**
Celebier S. K. , Pehlivan S., DEMİRBİLEK M., Akinci M., VURAL İ., AKDAĞ ÇAYLI Y., Yuruker S., Unlu N.
Journal of Ocular Pharmacology and Therapeutics, cilt.36, sa.6, ss.433-446, 2020 (SCI Expanded İndekslerine Giren Dergi)
- VI. **Combination of Paclitaxel and R-flurbiprofen loaded PLGA nanoparticles suppresses glioblastoma growth on systemic administration**
Caban-Toktas S., Sahin A., Lule S., Esendagli G., Vural İ., Karlı Oguz K., Soylemezoglu F., Mut M., Dalkara T., Khan M., et al.
International Journal of Pharmaceutics, cilt.578, 2020 (SCI İndekslerine Giren Dergi)
- VII. **Preparation, characterization and pharmacokinetic evaluation of rosuvastatin calcium incorporated cyclodextrin-polyanhydride nanoparticles**
Al-Heibshy F. N. S. , BAŞARAN E., ARSLAN R., ÖZTÜRK N., VURAL İ., DEMİREL M.
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, cilt.45, sa.10, ss.1635-1645, 2019 (SCI İndekslerine Giren Dergi)

- VIII. **Floating drug delivery system of itraconazole: Formulation, in vitro and in vivo studies**
Gokbulut E., VURAL İ., Asikoglu M., Ozdemir N.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, cilt.49, ss.491-501, 2019 (SCI İndekslerine Giren Dergi)
- IX. **Preparation and characterization of furosemide nanosuspensions**
GÜLSÜN İNAL T., Borna S. E. , VURAL İ., ŞAHİN S.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, cilt.45, ss.93-100, 2018 (SCI İndekslerine Giren Dergi)
- X. **Development and characterization of gels and liposomes containing ovalbumin for nasal delivery**
Kaplan M., Tugcu-Demiroz F., VURAL İ., Celebi N.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, cilt.44, ss.108-117, 2018 (SCI İndekslerine Giren Dergi)
- XI. **Development and evaluation of orally disintegrating tablets comprising taste-masked mirtazapine granules**
Yildiz S., AYTEKİN E., Yavuz B., Pehlivan S. B. , VURAL İ., UNLU N.
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, cilt.23, sa.5, ss.488-495, 2018 (SCI İndekslerine Giren Dergi)
- XII. **Development of novel self-assembled polymeric micelles from partially hydrolysed poly(2-ethyl-2-oxazoline)-co-PEI-b-PCL block copolymer as non-viral vectors for plasmid DNA in vitro transfection**
Kara A., Ozturk N., ESENDAĞLI G., Ozkose U. U. , Gulyuz S., Yilmaz O., Telci D., Bozkir A., VURAL İ.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, cilt.46, 2018 (SCI İndekslerine Giren Dergi)
- XIII. **A potential non-invasive glioblastoma treatment: Nose-to-brain delivery of farnesylthiosalicylic acid incorporated hybrid nanoparticles**
SEKERDAG E., Lule S., PEHLIVAN S. B. , Ozturk N., KARA A., KAFFASHI A., VURAL İ., Isikay I., Yavuz B., OGUZH K. K. , et al.
JOURNAL OF CONTROLLED RELEASE, cilt.261, ss.187-198, 2017 (SCI İndekslerine Giren Dergi)
- XIV. **Farnesylthiosalicylic acid-loaded lipid-polyethylene glycol-polymer hybrid nanoparticles for treatment of glioblastoma**
KAFFASHI A., Lule S., PEHLIVAN S. B. , SARISOZEN C., VURAL İ., KOSUCU H., Demir T., Bugdayci K. E. , Soylemezoglu F., OGUZ K. K. , et al.
JOURNAL OF PHARMACY AND PHARMACOLOGY, cilt.69, sa.8, ss.1010-1021, 2017 (SCI İndekslerine Giren Dergi)
- XV. **Dry powders for the inhalation of ciprofloxacin or levofloxacin combined with a mucolytic agent for cystic fibrosis patients.**
Akdag C., SAHIN S., BUTTINI F., BALDUCCI A., MONTANARI S., VURAL İ., ONER L.
Drug development and industrial pharmacy, cilt.43, ss.1378-1389, 2017 (SCI Expanded İndekslerine Giren Dergi)
- XVI. **Preparation and evaluation of furosemide containing orally disintegrating tablets by direct compression**
Gulsun T., Ozturk N., Kaynak M. S. , Vural İ., Sahin S.
PHARMAZIE, cilt.72, sa.7, ss.389-394, 2017 (SCI İndekslerine Giren Dergi)
- XVII. **New azole derivatives showing antimicrobial effects and their mechanism of antifungal activity by molecular modeling studies**
DOGAN İ. S. , SARAC S., SARI S., KART D., Gokhan S. E. , VURAL İ., DALKARA S.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, cilt.130, ss.124-138, 2017 (SCI İndekslerine Giren Dergi)
- XVIII. **Design and In Vitro Evaluation of Bispecific Complexes and Drug Conjugates of Anticancer Peptide, LyP-I in Human Breast Cancer**
TİMUR S. S. , Bhattarai P., GÜRİSOY R. N. , VURAL İ., Khaw B.
PHARMACEUTICAL RESEARCH, cilt.34, sa.2, ss.352-364, 2017 (SCI İndekslerine Giren Dergi)
- XIX. **In Vitro CNS Models**
KARA A., ÖZTÜRK N., VURAL İ.
NANOTECHNOLOGY METHODS FOR NEUROLOGICAL DISEASES AND BRAIN TUMORS: DRUG DELIVERY ACROSS THE BLOOD-BRAIN BARRIER, ss.151-185, 2017 (SCI İndekslerine Giren Dergi)
- XX. **Evaluation of Antitumor Activity of a Non-Steroidal Anti-Inflammatory Drug, Ibuprofen, by a**

Targeted Nanoparticulate System

ÖZTÜRK N., KARA A., VURAL İ.

LATIN AMERICAN JOURNAL OF PHARMACY, cilt.36, sa.1, ss.44-52, 2017 (SCI İndekslerine Giren Dergi)

- XXI. **Dexamethasone - PAMAM dendrimer conjugates for retinal delivery: preparation, characterization and in vivo evaluation**
Yavuz B., Pehlivan S., Bolu B. S., Sanyal R. N., VURAL İ., UNLU N.
JOURNAL OF PHARMACY AND PHARMACOLOGY, cilt.68, sa.8, ss.1010-1020, 2016 (SCI İndekslerine Giren Dergi)
- XXII. **Lysozyme-loaded lipid-polymer hybrid nanoparticles: preparation, characterization and colloidal stability evaluation**
DEVİRİM B., KARA A., VURAL İ., Bozkiir A.
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, cilt.42, sa.11, ss.1865-1876, 2016 (SCI İndekslerine Giren Dergi)
- XXIII. **In Vitro/In Vivo Evaluation of DexamethasonePAMAM Dendrimer Complexes for Retinal Drug Delivery**
Yavuz B., Pehlivan S., VURAL İ., UNLU N.
JOURNAL OF PHARMACEUTICAL SCIENCES, cilt.104, sa.11, ss.3814-3823, 2015 (SCI İndekslerine Giren Dergi)
- XXIV. **Preparation and in vitro/in vivo evaluation of cyclosporin A-loaded nanodecorated ocular implants for subconjunctival application**
PEHLIVAN S., Yavuz B., ÇALAMAK S., ULUBAYRAM K., KAFFASHI A., VURAL İ., Cakmak H. B., DURGUN M. E., DENKBAŞ E. B., UNLU N.
Journal of Pharmaceutical Sciences, cilt.104, sa.5, ss.1709-1720, 2015 (SCI Expanded İndekslerine Giren Dergi)
- XXV. **5-Fluorouracil-loaded PLA/PLGA PEG-PPG-PEG polymeric nanoparticles: formulation, in vitro characterization and cell culture studies**
Ocal H., Arica-Yegin B., VURAL İ., Goracinova K., ÇALIŞ S.
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, cilt.40, sa.4, ss.560-567, 2014 (SCI İndekslerine Giren Dergi)
- XXVI. **Development and Evaluation of Paclitaxel Nanoparticles Using a Quality-by-Design Approach**
Yerlikaya F., Ozgen A., VURAL İ., Guven O., Karaagaoglu E., Khan M. A., ÇAPAN Y.
JOURNAL OF PHARMACEUTICAL SCIENCES, cilt.102, sa.10, ss.3748-3761, 2013 (SCI İndekslerine Giren Dergi)
- XXVII. **Preparation and characterization of metformin hydrochloride loaded-Eudragit (R) RSPO and Eudragit (R) RSPO/PLGA nanoparticles**
ÇETİN M., ATİLA A., ŞAHİN S., VURAL İ.
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- XXVIII. **Preparation and characterization of nimesulide containing nanocrystal formulations**
Gulsun T., Budak C., VURAL İ., ŞAHİN S., ÖNER L.
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, cilt.18, sa.3, ss.653-659, 2013 (SCI İndekslerine Giren Dergi)
- XXIX. **In vitro studies on 5-florouracil-loaded DTPA-PE containing nanosized pegylated liposomes for diagnosis and treatment of tumor**
Liko F., ERDOĞAN S., Ozer Y. A., VURAL İ.
JOURNAL OF LIPOSOME RESEARCH, cilt.23, sa.1, ss.61-69, 2013 (SCI İndekslerine Giren Dergi)
- XXX. **Formulation and evaluation of clozapine orally disintegrating tablets prepared by direct compression**
OLMEZ S. S., VURAL İ., ŞAHİN S., ERTUĞRUL A., ÇAPAN Y.
PHARMAZIE, cilt.68, sa.2, ss.110-116, 2013 (SCI İndekslerine Giren Dergi)
- XXXI. **Long-circulating PEG-PE micelles co-loaded with paclitaxel and elacridar (GG918) overcome multidrug resistance**
Sarisozen C., VURAL İ., Levchenko T., Hincal A. A., Torchilin V. P.
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- XXXII. **Reversal of multidrug resistance by antibody targeted micelles**
Sarisozen C., VURAL İ., Hincal A. A., Torchilin V. P.

NEW BIOTECHNOLOGY, cilt.29, 2012 (SCI İndekslerine Giren Dergi)

- XXXIII. **PEG-PE-based micelles co-loaded with paclitaxel and cyclosporine A or loaded with paclitaxel and targeted by anticancer antibody overcome drug resistance in cancer cells**
Sarisozen C., VURAL İ., Levchenko T., Hincal A. A. , Torchilin V. P.
DRUG DELIVERY, cilt.19, sa.4, ss.169-176, 2012 (SCI İndekslerine Giren Dergi)
- XXXIV. **Both mitogen-activated protein kinase (MAPK)/extracellular-signal-regulated kinases (ERK) 1/2 and phosphatidylinositide-3-OH kinase (PI3K)/Akt pathways regulate activation of E-twenty-six (ETS)-like transcription factor 1 (Elk-1) in U138 glioblastoma cells**
Mut M., Lule S., Demir O., Kurnaz I. A. , VURAL İ.
International Journal of Biochemistry and Cell Biology, cilt.44, sa.2, ss.302-310, 2012 (SCI Expanded İndekslerine Giren Dergi)
- XXXV. **Salmon calcitonin-loaded Eudragit (R) and Eudragit (R)-PLGA nanoparticles: in vitro and in vivo evaluation**
ÇETİN M., AKTAŞ M. S. , VURAL İ., Ozturk M.
JOURNAL OF MICROENCAPSULATION, cilt.29, sa.2, ss.156-166, 2012 (SCI İndekslerine Giren Dergi)
- XXXVI. **CHARACTERIZATION, CELL PROLIFERATION AND CYTOTOXICITY EVALUATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR LOADED POLY (LACTIC-CO-GLYCOLIC ACID) MICROSPHERES**
KERİMOĞLU O., ALARÇIN E., Turkoglu M., Dortunc B., Karagoz H., Ulkur E., VURAL İ., ÇAPAN Y.
NOBEL MEDICUS, cilt.8, sa.1, ss.77-82, 2012 (SCI İndekslerine Giren Dergi)
- XXXVII. **Rosuvastatin induces apoptosis in cultured human papillary thyroid cancer cells**
ZEYBEK N. D. , Gulcelik N. E. , KAYMAZ F. F. , Sarisozen C., VURAL İ., BODUR E., CANPINAR H., Usman A., Asan E.
JOURNAL OF ENDOCRINOLOGY, cilt.210, sa.1, ss.105-115, 2011 (SCI İndekslerine Giren Dergi)
- XXXVIII. **Chitosan Coated Furosemide Liposomes for Improved Bioavailability**
VURAL İ., Sarisozen C., Olmez S. S.
JOURNAL OF BIOMEDICAL NANOTECHNOLOGY, cilt.7, sa.3, ss.426-430, 2011 (SCI İndekslerine Giren Dergi)
- XXXIX. **Rapamycin-cyclodextrin complexation: Improved solubility and dissolution rate**
Abdur Rouf M., VURAL İ., BİLENSOY E., Hincal A., Erol D. D.
Journal of Inclusion Phenomena and Macrocyclic Chemistry, cilt.70, ss.167-175, 2011 (SCI İndekslerine Giren Dergi)
- XL. **Evaluation of drug-exciipient interaction in the formulation of celecoxib tablets**
Bozdog-Pehlivan S., Subasi B., VURAL İ., Unlu N., ÇAPAN Y.
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- XLI. **An alternative cyclodextrin based formulation for oral anticancer drug exemestane: In vitro and cell culture studies.**
Yavuz B., Sarisözen C., Vural İ., Bilensoy E., Sumnu M.
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- XLII. **Alternative oral exemestane formulation: Improved dissolution and permeation**
Yavuz B., BİLENSOY E., VURAL İ., Sumnu M.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, cilt.398, ss.137-145, 2010 (SCI İndekslerine Giren Dergi)
- XLIII. **Preparation and characterization of anticancer drug-loaded implantable PLGA microparticles**
ÇETİN M., VURAL İ., ATİLA A., Kadioglu Y.
TURKISH JOURNAL OF CHEMISTRY, cilt.34, sa.4, ss.509-516, 2010 (SCI İndekslerine Giren Dergi)
- XLIV. **Development and characterization of liposomal formulations for rapamycin delivery and investigation of their antiproliferative effect on MCF7 cells**
Rouf M. A. , VURAL İ., Renoir J. M. , Hincal A. A.
JOURNAL OF LIPOSOME RESEARCH, cilt.19, sa.4, ss.322-331, 2009 (SCI İndekslerine Giren Dergi)
- XLV. **FORMULATION AND IN VITRO EVALUATION OF EUDRAGIT-L100/PLGA NANOPARTICLES CONTAINING SALMON CALCITONIN**
ÇETİN M., VURAL İ., ATİLA A., Sarisozen C., KADIOĞLU Y.

- EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, cilt.38, sa.1, ss.85-86, 2009 (SCI İndekslerine Giren Dergi)
- XLVI. **DEVELOPMENT AND CHARACTERIZATION OF THEOPHYLLINE LOADED PLGA MICROSPHERES**
Shamil D., Sarisozen C., Pehlivan S. B. , Basit A., ŞAHİN S., VURAL İ.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, cilt.38, sa.1, ss.96-97, 2009 (SCI İndekslerine Giren Dergi)
- XLVII. **CHITOSAN COATED LIPOSOMES LOADED WITH FUROSEMIDE: CHARACTERIZATION AND CELLULAR INTERACTION**
Sarisozen C., Olmez S. S. , VURAL İ.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, cilt.38, sa.1, ss.82-83, 2009 (SCI İndekslerine Giren Dergi)
- XLVIII. **PEG-PE BASED MIXED MICELLES LOADED WITH PACLITAXEL FOR ANTITUMOR ACTIVITY: ENHANCED DRUG SOLUBILIZATION**
Sarisozen C., VURAL İ., Torchilin V. P. , Hincal A. A.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, cilt.38, sa.1, ss.83-84, 2009 (SCI İndekslerine Giren Dergi)
- XLIX. **PREPARATION OF FAMOTIDINE ORALLY DISINTEGRATING TABLETS**
Olmez S. S. , VURAL İ.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, cilt.38, sa.1, ss.65-66, 2009 (SCI İndekslerine Giren Dergi)
- L. **Microbiological and clinical comparison of chlorhexidine buccoadhesive tablet and chlorhexidine mouthrinse**
AKTAŞ A., GIRAY B., ÇAPAN Y., MENEMENLIOĞLU D., HAYRAN M., İKİNCİ G., VURAL İ.
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- LI. **Hyaluronic acid coated poly-ε-caprolactone nanospheres deliver high concentrations of cyclosporine A into the cornea**
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- LII. **Preparation and in vitro evaluation of bFGF-loaded chitosan nanoparticles**
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- LIII. **Treatment of malignant gliomas with mitoxantrone-loaded poly (lactide-co-glycolide) microspheres**
Yemisci M., Vural İ., Bozdog S., Cetin M., Soylemezoglu F., Capan Y., Dalkara T.
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- LIV. **Mucoadhesive, thermosensitive, prolonged-release vaginal gel for clotrimazole: β-cyclodextrin complex**
Bilensoy E., Rouf M. A. , Vural İ., Sen M., Hincal A. A.
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- LV. **Thermosensitive vaginal gel formulation for the controlled release of clotrimazole via complexation to beta-cyclodextrin.**
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- LVI. **Preparation and characterization of PLGA nanospheres for the targeted delivery of NR2B-specific antisense oligonucleotides to the NMDA receptors in the brain**
KİLİC A. C. , Capan Y., Vural I., Gursoy R. N. , Dalkara T., CUİNE A., HİNCAL A. A.
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- LVII. **Preparation and characterization of bFGF and BSA-loaded microspheres**
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- LVIII. **Transcription efficiency of tamoxifen citrate-loaded beta-cyclodextrin nanoparticles**
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- LIX. **Tamoxifen citrate loaded amphiphilic β -cyclodextrin nanoparticles: In vitro characterization and cytotoxicity**
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