بسم الله الرحمن الرحيم

MONA MAGHRABY

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

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جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات

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تحفظ هذه الأقراص المدمجة بعيدا عن الغبار

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A lipid Based Carrier for Ocular Delivery of Difluprednate

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(Pharmaceutics)

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List of Abbreviations

ANOVA	Analysis of variance
A	Area
CLN	chitosan-coated Lipid nano capsule
C.V.	Coefficient of variation
CI	Confidence interval
Conc.	Concentration
COOH	Carboxyl group
cP	Centipoise
DFP	Difluprednate
DLS	Dynamic light scattering
Da	Dalton
DIW	Deionized water
Df	Degree of freedom
FT-IR	Fourier Transform Infrared Spectrometer
G	Gram
g	Acceleration due to gravity
HR-TEM	High resolution transmission electron microscopy
H-bond	Hydrogen bond
HLB	Hydrophilic lipophilic balance
Kg	Kilogram
k0	Zero order release rate constant
k	First order release rate constant
kH	Higuchi release rate constant
LNC	Lipid nanocapsule
L	Liter
LEC	Lecithin
Mt/M∞	cumulative drug released at time t
mV	Milli volt
Mw	Molecular weight
Mg	Milligram
Min	Minutes

mL	Milliliter
mm	Millimeter
mM	Millimole
µg	Microgram
µl	Microliter
-NH2	Amino group
nm	Nanometer
NS	Non-significant
NPs	Nanoparticles
^{o}C	Degree Celsius
-OH	Hydroxyl group
o/w	Oil-in-water
%	Percent
PIT	phase inversion temperature
PS	particle size
P	probability
PDI	polydispersity index
PBS	Phosphate buffer saline
ppm	Parts per million
PS	Particle size
Q_0	Initial amount of the drug in CLN
Q_t	Cumulative amount of the drug released at time t
Q	Cumulative remaining amount of the drug,
Q_∞	Total amount of the drug loaded in CLN intended to be released after infinite time
R^2	Coefficient of determination
r	Radius
NaCl	Sodium chloride
SD	Standard deviation
Sec	Seconds
T	Time
w/o	water-in-oil
v/v	Volume per volume

w/v	Weight per volume
w/w	Weight per weight
WHO	Wealth and health organization
λmax	wavelength of maximum absorbance
ZP	Zeta potential

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