Table of Contents

List of Figures

List of Tables

LIST OF ABBREVIATIONS

EPR : Enhanced permeation and retention effect

i.v. : Intravenous

VES : Vitamin-E succinate

CSO : Chitosan oligosaccharide

CS : Chitosan

HA : Hyaluronic acid

NaTPP: Sodium tripolyphosphate

EDAC / EDC : 1-Ethyl-3-(3-Dimethylaminopropyl)carbodiimide Hydrochloride

NHS : N-hydroxysuccinimide

Sulfo-NHS: N-hydroxysulfosuccinimide

DTPA : 3,3`-dithiodipropionic acid

CBT : Cabazitaxel

PDI : Polydispersity Index

DLS : Dynamic Light Scattering

FTIR : Fourier Transform Infrared Spectroscopy

SEM : Scanning Electron Microscope

SPM : Scanning Probe Microscope

AFM : Atomic Force Microscope

HR-TEM: High-Resolution Transmission Electron Microscope

XRD : Powder X-ray diffraction

DSC : Differential Scanning Calorimetry

XPS : X-ray Photoelectron Spectroscopy

TPGS : Tocopherol polyethylene glycol succinate

PBS : Phosphate Buffer Saline

FBS : Fetal Bovine Serum

MTT : (3-(4, 5-dimethylthiazolyl-2)-2, 5-diphenyltetrazolium bromide)

DCFDA: 2′− 7′- dichlorodihydrofluorescein diacetate

JC-1 : 5,5′,6,6′-tetrachloro-1,1′,3,3′-tetraethylbenzimi- dazolylcarbocyanine iodide

PI : Propidium Iodide

DAPI : 4′,6-diamidino-2-phenylindole

DMBA: 7,12-Dimethylbenz[a]anthracene

H&E : Hematoxylin and eosin staining

AUC : Area Under Curve

MRT : Mean Residence Time

GSH : Glutathione

ROS : Reactive Oxygen Species

IC_{50} : Half maximal inhibitory concentration

C6 : Coumarin-6

Cmab : Cetuximab