

LIST OF ABBREVIATIONS

<i>α-CD</i>	α -cyclodextrin
<i>2-ME</i>	2-mercaptoethanol
<i>ADCC</i>	Antibody dependent cell-mediated cytotoxicity
<i>ADME</i>	Absorption-Distribution-Metabolism-Elimination
<i>ANOVA</i>	Analysis of variance
<i>APS</i>	Ammonium Persulphate
<i>ATCC</i>	American Type Culture Collection
<i>AUC</i>	Area under the curve
<i>AUMC</i>	First moment of plasma concentration-time curve
<i>BCA</i>	Bicinchoninic Acid
<i>BMS</i>	Bristol-Myers Squibb
<i>BPH</i>	Benign Prostatic Hyperplasia
<i>BSA</i>	Bovine Serum Albumin
<i>BsAb</i>	Bispecific antibody
<i>C18-ODS</i>	C18- octa decyl silane
<i>CAM</i>	Cell adhesion molecules
<i>CAOV3</i>	Human ovarian adenocarcinoma cells
<i>CD</i>	Cyclodextrin
<i>CDs</i>	Cyclodextrins
<i>CD-spectroscopy</i>	Circular Dichroism spectroscopy
<i>CH</i>	Constant heavy region
<i>CL</i>	Total body clearance
<i>CLs</i>	Conventional liposomes
<i>CM-β-CD</i>	Carboxymethyl- β -cyclodextrin
<i>CME-β-CD</i>	Carboxymethyl-ethyl- β -cyclodextrin
<i>CPCSEA</i>	Committee for the purpose of control and supervision of experiments on Animals
<i>CrEL</i>	Cremophor EL
<i>Cryo-TEM</i>	CRYO-Transmission Electron Microscope
<i>CT scan</i>	Computerized tomography scan
<i>CV</i>	Coefficient of variation
<i>DAPI</i>	4',6-diamidino-2-phenylindole
<i>DDS</i>	Drug delivery systems
<i>DEHP</i>	Diethylhexylphalate
<i>DE-β-CD</i>	Diethyl- β –cyclodextrin
<i>DLPLs</i>	Double loaded PEGylated liposomes
<i>DMEM</i>	Dulbecco's Modified Eagle Medium (high glucose)

<i>DM-β-CD</i>	2,6-di-O-methyl beta cyclodextrin
<i>DSC</i>	Differential Scanning Calorimetry
<i>DSPE-mPEG2000</i>	2-distearoyl-sn-glycero-3-phosphoethanolamine [methoxy (polyethyleneglycol)-2000]
<i>DSPE-PEG2000-Mal</i>	1,2-distearoyl-sn-glycero-3-phosphoethanol- amine-N- [maleimide-2000]
<i>DTNB</i>	5,5'-dithio-bis-2-nitrobenzoic acid
<i>DTT</i>	Dithiothreitol
<i>ECM</i>	Extracellular matrix
<i>EDTA</i>	Ethylene diamine tetra acetic acid
<i>EE</i>	Entrapment efficiency
<i>EGF</i>	Epidermal growth factor
<i>EGFR</i>	Endothelial growth factor receptor
<i>Egg PC</i>	Egg Phosphatidylcholine
<i>EMT</i>	Epithelial-to-mesenchymal transition
<i>EPR</i>	Enhanced permeability and retention effect
<i>F(ab')₂</i>	Dimers of antigen-binding fragments
<i>Fab</i>	Antigen-binding fragments
<i>FACS</i>	Fluorescence-activated cell sorting
<i>FBS</i>	Fetal Bovine Serum
<i>FcRn</i>	Neonatal Fc receptor
<i>FDP</i>	Fixed Dose Procedure
<i>FGFs</i>	Fibroblast growth factors
<i>FITC</i>	Fluorescein Isothiocyanate
<i>FSHP</i>	Polypeptide of follicle-stimulating hormone
<i>FSHR</i>	Follicle-stimulating hormone receptor
<i>FT-IR</i>	Fourier transform infrared spectroscopy
<i>Fv</i>	Variable fragment
<i>G1-β-CD</i>	Glucosyl-β-cyclodextrin
<i>G2-β-CD</i>	Maltosyl-β-cyclodextrin
<i>HBU-β-CD</i>	Hydroxybutenyl-β-cyclodextrin
<i>HE4</i>	Human Epididymis protein 4
<i>HEPA Filter</i>	High efficiency air particulate air filter
<i>HER2/neu</i>	Human Epidermal growth factor Receptor 2/neu
<i>HE-β-CD</i>	Hydroxyethyl-β-cyclodextrin
<i>HP β-CD</i>	Hydroxypropyl-β-cyclodextrin
<i>HP- γ-CD</i>	Hydroxypropyl- γ-cyclodextrin
<i>HSPC</i>	Hydrogenated Soya Phosphatidylcholine
<i>IAEC</i>	Institutional Animal Ethical Committee

<i>IC₅₀</i>	Inhibitory concentration 50
<i>ICH</i>	International conference on harmonization
<i>ICs</i>	Inclusion complexes
<i>ILs</i>	Immunoliposomes
<i>IP</i>	Intra peritoneal
<i>IR spectroscopy</i>	Infrared spectroscopy
<i>IV</i>	Intra venous
<i>LD₅₀</i>	Median Lethal Dose
<i>LNCaP tumors</i>	Lymph node carcinoma of the prostate LNCaP tumors
<i>LOD</i>	Limit of Detection
<i>LOQ</i>	Limit of Quantification
<i>LSCM</i>	Laser scanning confocal microscope
<i>mAb</i>	Monoclonal antibody
<i>M-CSF</i>	Macrophage colony stimulating factor
<i>MLRA</i>	Multiple linear regression analysis
<i>MRI</i>	Magnetic Resonance Imaging
<i>MRT</i>	Mean residence time
<i>MTD</i>	Maximum Tolerated Dose
<i>MTT</i>	3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyl tetrazolium bromide
<i>M-β-CD</i>	Methyl-β-cyclodextrin
<i>NMR</i>	Nuclear Magnetic Resonance
<i>NOEL</i>	No Observable Effect Level
<i>NP-PTX</i>	Naked PTX-loaded nanoparticles
<i>OC</i>	Ovarian cancer
<i>OPN</i>	Osteopontin
<i>OSE cells</i>	Ovarian surface epithelial cells
<i>OVCAR3</i>	Human epithelial ovarian adenocarcinoma cell line
<i>PAMAM</i>	Poly(amidoamine)
<i>PBS</i>	Phosphate Buffer Saline
<i>PDGF</i>	Platelet-derived growth factor
<i>PDI</i>	Polydispersity index
<i>PEG</i>	Polyethylene glycol
<i>PFA</i>	Paraformaldehyde
<i>P-gp</i>	P-glycoprotein
<i>PLs</i>	PEGylated conventional liposomes
<i>PTX</i>	Paclitaxel
<i>PTX-DM-β-CD</i>	Paclitaxel-Heptakis (2,6-di-O-methyl)-beta-Cyclodextrin
<i>PTX-DM-β-CD ICs</i>	Paclitaxel Dimethyl- β -cyclodextrin inclusion complex

<i>RBC</i>	Red blood cells
<i>RES</i>	Reticuloendothelial system
<i>RM-β-CD</i>	Random methyl- β -cyclodextrin
<i>RP-HPLC</i>	Reverse-phase high performance liquid chromatography
<i>RSD</i>	Relative Standard deviation
<i>RT</i>	Room temperature
<i>RT-PCR</i>	Real Time Polymerase Chain Reaction
<i>SBE-β-CD</i>	Sulfobutylether- β -cyclodextrin
<i>scFv</i>	Single-chain fragment variables
<i>SD</i>	Standard deviation
<i>SD Rats</i>	Sprague Dawley rats
<i>SDS</i>	Sodium dodecyl sulfate
<i>SDS-PAGE</i>	SDS-Polyacrylamide Gel Electrophoresis
<i>SEM</i>	Scanning electron microscopy
<i>SKOV3</i>	Human epithelial ovarian cancer cell line
<i>TEMED</i>	N,N,N',N'tetramethylethylenediamine
<i>TNB</i>	2-nitro-5-thiobenzoic acid
<i>TNF-α</i>	Tumor necrosis factor- α
<i>UDP</i>	Up-Down Procedure
<i>USFDA</i>	US Food and Drug Administration
<i>VEGF</i>	Vascular endothelial growth factor
<i>VH</i>	Variable heavy region
<i>VL</i>	Variable light region
<i>V_{ss}</i>	Volume at steady state
<i>XRD</i>	X-ray diffraction
<i>β-CD</i>	β -cyclodextrin
<i>γ-CD</i>	γ -cyclodextrin