LIST OF ABBREVIATIONS

$(NH_4)_2SO_4$	-	Ammonium sulphate
µL	-	Microliter
5-FU	-	5- Fluorouracil
^{99m}Tc	-	Technetium 99m (molybdenum)
A549	-	Non small cell lung cancer cell lines
$CHCl_3$	-	Chloroform
CHOL	-	Cholesterol
DCC	-	dicyclohexylcarbodiimide
dCTP	-	Deoxycytidine triphosphate
dFdCDP	-	difluorodeoxycytidine diphosphate
dFdCTP	-	difluorodeoxycytidine triphosphate
dFdU	-	2′-deoxy-2′,2′-difluorouridine
DMEM	-	Dulbecco's Modified Eagle Medium
DNA	-	Deoxyribonucleic acid
DSC	-	Differential Scanning Calorimetry
DSPE	-	distearoylphosphatidylethanolamine
DTPA	-	Diethylene Triamine Penta acetic acid
EE	-	Entrapment Efficiency
FA	-	Folic Acid
FACs	-	Fluorescence-activated cell sorting
FBP	-	folate binding protein
FBS	-	Fetal Bovine Serum
FDA	-	Food and Drug Administration
Fig	-	Figure
$FOL-NH_2$	-	Aminated Folic Acid
FR	-	Folate receptor
FTIR	-	Fourier transformed Infrared spectroscopy
GEM	-	Gemcitabine
GPI	-	glycosyl phosphatidylinositol-anchored
HCl	-	Hydrochloric acid
HeLa	-	Human cervical cancer cell lines
HEPES	-	4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid
HPV	-	human papilloma virus
HSPC	-	Hydrogenated soybean phosphatidylcholine
IC_{50}	-	half maximal inhibitory concentration
ITLC	-	Instant Thin Layer Chromatography
mFBP	-	membrane associated folate binding protein
mL	-	Milliliter
MLV	-	Multilamellar Vesicle

mPEG-DSPE	-	Monomethoxy polyethylene glycol 2000-distearoyl phosphatidyl ethanolamine
MTT	-	3-(4,5-dimethyl-2-thiazolyl)-2,5-diphenyl tetrazoliumbromide
NDDS	-	Novel drug delivery system
NHS	-	N-hydroxysuccinimide
NSCLC	-	non small cell lung cancer
ONPG	-	Ortho Nitro Phenol β-Galactopyranoside
PBS	-	phosphate buffered saline
PDI	-	Poly Dispersity Index
PEG	-	Polyethylene glycol
RES	-	Reticulo-Endothelial System
RNA	-	ribonucleic acid
RPM	-	Rotation per Minute
RT	-	Room Temperature
SCLC	-	small cell lung carcinoma
SD	-	Standard Deviation
SUV	-	Small Unilamellar Vesicle
TEM	-	Transmission Electron Microscope
THF	-	Thin Film Hydration
TLC	-	thin layer chromatography