

ABBREVIATIONS:

%	Percentage
%CDR	Cumulative Drug Release
ACN	Acetonitrile
ANOVA	Analysis of variance
BCS	Biopharmaceutical Classification System
BET	Brunauer–Emmett–Teller
BIC	Bicalutamide
BJH	Barrett-Joyner-Halenda
CTAB	Cetyl trimethyl ammonium bromide
DAPI	4,6-Diamidino-2-Phenylindole Dihydrochloride
DMEM	Dulbecco's modified eagle medium
DMSO	Dimethyl Sulphoxide
DSC	Differential scanning calorimetry
ETO	Etoposide
FA	Folic acid
FACS	Flow cytometry
FaSSGF	Fasted state simulated gastric fluid
FaSSIF	Fasted state simulated intestinal fluid
FBS	Foetal Bovine Serum
FeSSGF	Fed state small gastric fluid
FeSSIF	Fed state small intestinal fluid
FITC	Fluorescein isothiocyanate
FPM	First Pass Metabolism

FT-IR	Fourier transform infrared spectroscopy
gm	Gram
h	Hour
HBSS	Hank's balanced salt solution
HMS	Hollow Mesoporous Silica
LXRD	Low angle X-ray diffraction
MCM	Mobil Composition of Matter
MeOH	Methanol
MSNs	Mesoporous silica nanoparticles
MTT	3- (4, 5-Dimethylthiazol-2-yl)-2, 5-diphenyltetrazolium bromide
PAA	Polyacrylic acid
PC	Prostate cancer
RPMI-1640	Rosewell memorial Park institute medium-1640
SBA	University of California at Santa Barbara
SEM	Scanning electron microscope
SGF	Simulated gastric fluid
SIF	Simulated intestinal fluid
SXRD	Small angle x-ray diffraction
TEM	Transmission electron microscope
TEOS	Tetraethyl orthosilicate
TGA	Thermogravimetric analysis
TMAOH	Tetra methyl ammonium hydroxide pentahydrate
TUD	Technische Universiteit Delft
WXRD	Wide angle x-ray diffraction