

LIST OF ABBREVIATIONS

ATP	Adenosine Triphosphate.
BID	Twice a day.
BSA	Bovine Serum Albumin.
CPCSEA	Committee for the Purpose of Control and Supervision on Experiments on Animals.
DEE	Drug Entrapment Efficiency.
DMEM	Dulbecco's modified Eagle's medium.
DMSO	Dimethyl Sulphoxide.
DNA	Deoxyrybonuclic Acid.
DSC	Differential Scanning Calorimetry.
EE	Entrapment Efficiency.
EES	Entrapment Efficiencies.
EGF	Epidermal Growth Factor.
EQ	Treatment comprising combination of free Etoposide and Quercetin Dihydrate.
EQN	Treatment comprising combination of nanoparticles containing Etoposide and Quercetin Dihydrate individually.
ET	Etoposide.
ETN	Etoposide containing nanoparticle.
FBS	Fetal bovine Serum.
HLB	Hydrophilic Lipophilic Balance.
HPLC	High-Performance Liquid Chromatography.
HUVEC	Human Umbilical Vein Endothelial Cells.
IC50	Concentration which inhibits 50% of Cell growth.

ITLC	Instant Thin Layer Chromatography
JNCH & RC	Jawaharlal Nehru Cancer Hospital and Research Centre
MSDS	Material Safety Data Sheet.
MTT	3-[4,5-dimethylthiazolyl-2-yl]-2,5-diphenyltetrazolium bromide
MVD	Microvessel Density.
MW	Molecular Weight.
NP	Nanoparticle.
P	PLGA in powder form as obtained from supplier.
PBS	Phosphate Buffer Solution.
PCS	Photon Corelation Spectroscopy.
PDI	Polydispersity index.
pKa	Dissociation Constant.
PLGA	Poly (-lactic-coglycolic acid).
PN	Drug free (Plain) nanoparticles.
PVA	Poly-inyl Alcohol.
QD	Quercetin dihydrate.
QDN	Quercetin dihydrate containingNanoparticle.
RPM	Revolutions per Minute.
TEM	Transmission Electron Microscopy.
TMD	Tumor Microvessel Density.
UV	Ultra-Violate.
VEGF	Vascular Endothelial growth factor.