

LIST OF ABBREVIATIONS

AA	Arachidonic Acid
ACD	Anticoagulant Citrate Dextrose
ADME	Absorption, Distribution, Metabolism and Excretion
ADR	Adverse Drug Reaction
ADH	Aldehyde dehydrogenase
APC	Antigen Presenting Cell
API	Active Pharmaceutical Ingredient
APP	Acute Phase Protein
AUC	Area Under the Curve
BD	Biodistribution
BP	Bare Particle
CDC	Colloidal Drug Carrier
COX	Cyclooxygenase
CRP	C-Reactive Protein
DLS	Dynamic Light Scattering
DMEM	Dulbecco's Modified Eagle Medium
DS	Diclofenac Sodium
ECP	Eosinophil Cationic Protein
EE	Entrapment Efficiency
EMA	European Agency for the Evaluation of Medicinal Products
ER	Excipient Removed
eV	Electron volt
FACS	Fluorescence Activated Cell Sorter
FBS	Foetal Bovine Serum
FDA	Food and Drug Administration
FTIR	Fourier Transform Infrared Spectroscopy
GPC	Gel Permeation Chromatography
GRAS	Generally Regarded as Safe

H ₂ O ₂	Hydrogen peroxide
H ₃ PO ₄	Ortho Phosphoric Acid
Hb	Hemoglobin
HCl	Hydrochloric Acid
HES	Hydroxyethyl Starch
HPLC	High Performance Liquid Chromatography
IKK	I kappa B kinase
IL	Interleukin
IL-1 β	Interleukin 1-beta
IPEC	International Pharmaceutical Excipients Council
KBr	Potassium Bromide
kV	Kilovolts
LOX	Lipoxygenase
LPS	Lipopolysaccharides
MAPK	Mitogen-activated protein kinase
Mab	Monoclonal Antibody
MBP	Major Basic Protein
MPS	Mononuclear Phagocytic System
MRT	Mean Residence Time
N	Normality
NaCl	Sodium Chloride
NC	Negative Control
ND	Nanodiclo
NDER	Excipient Removed Nanodiclo
NF- κ B	Nuclear factor- <i>kappa</i> B
NO	Nitric Oxide
NSAID	Non-steroidal anti-inflammatory drugs
OECD	Organisation for Economic Co-operation and Development
PBMC	Peripheral Blood Mononuclear Cells
PBS	Phosphate Buffer Saline
PC	Positive Control

PCL	Poly(caprolactone)
PD	Pharmacodynamics
PG	Prostaglandin
pH	Potenz Hydrogen
PK	Pharmacokinetics
PLA	Poly (Lactic Acid)
PLGA	Poly(lactide)-co- glycolic acid
PMN	Polymorphonuclear neutrophils
PND	PEGylated Nanodiclo
PND ER	PEGylated Excipient Removed Nanodiclo
PPP	Platelet Poor Plasma
PRP	Platelet Rich Plasma
PT	Prothrombin Time
RBC	Red Blood Cell
ROS	Reactive oxygen species
SD	Sprague Dawley
SEM	Scanning Electron Microscopy
STMP	Sodium trimetaphosphate
TEM	Transmission Electron Microscope
TN	Translational Nanomedicine
TNF- α	Tumor necrosis factor - α
WHO	World Health Organization
XRD	X-ray Diffraction