



Abbreviations

°C: Degree Celsius

ALT: Alanine transaminase

APS: The American Physiological Society

AST: Aspartate transaminase

BHT: butylated hydroxytoluene

CAM: Complementary and Alternative Medicine

CAT: Catalase

CHCl₃: Chloroform

cm: Centimeter/s

CPCSEA: Committee for the Purpose of Control and Supervision of Experiments on Animals

CPK: Creatine phosphokinase

CVD: Cardiovascular disease

DEA: Diethyl amine

DETMOC: Ether fraction of TMOC

DMEM: Dulbecco Modified Eagle Medium

DMSO: Dimethyl sulphoxide

DPPH: 1,1-diphenyl-2-picrylhydrazyl

EA: Ethyl acetate

EATMLNL: Ethyl acetate fraction of TMLNL

EATMLNR: Ethyl acetate fraction of TMLNR

EATMOC: Ethyl acetate fraction of TMOC

ETTMLNL: Ether fraction of TMLNL

ETTMLNR: Ether fraction of TMLNR

FBS: Fetal bovine serum

g: Gram

GAA: Glacial acetic acid

GMP: Good Manufacturing Practice

GSH: Reduced glutathione

h: Hour/s

HCl: Hydrochloric acid

HPLC: High pressure liquid chromatography

HPTLC: High performance thin layer chromatography

ICH: International community for harmonization

IL: Interleukins

ISO: Isoproterenol

KOH: Potassium hydroxide

L: Litre/s

LDH: Lactate dehydrogenase

LDL: Low-density lipoprotein

LN: Leonotis nepetaefolia

LNL: Leonotis nepetaefolia leaves

LNR: Leonotis nepetaefolia roots

LOD: Loss on drying

LOX: 5-lipoxygenase

M: molar

MDA: Malondialdehyde

mg: milligram

MHS: modified Hank's solution

mM: millimolar

MI: Myocardial infarction

min: minute/s

mL: milliliters

MTT: 3-(4,5- dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide

N: normal

nBuOHTMLNL: n-butanol fraction of TMLNL

nBuOHTMLNR: n-butanol fraction of TMLNR

NCCAM: National Center for Complementary and Alternative Medicine

NH₃: Ammonia

NO: Nitric oxide

NPPEG: Natural product polyethylene glycol

OC: Oxalis corniculata whole plant

OCFF: Flavonoid rich fraction of OC

OECD: Organisation for Economic Co-operation and Development

OTC: Over-the-counter

PBS: Phosphate buffer saline

RMLNL: Residual methanol extract of LNL

RMLNR: Residual methanol extract of LNR

ROS: Reactive Oxygen Species

SOD: Superoxide dismutase

TAOC: Total aqueous extract of OC

TBA: Thiobarbituric acid

TCM: Traditional Chinese Medicine

TLC: Thin layer chromatography

TM: Traditional medicines

TMLNL: Total methanol extract of LNL

TMLNR: Total methanol extract of LNR

TMOC: Total methanol extract of OC

TNF- α : Tumor Necrosis Factor- α

Tol: Toluene

TTC: triphenyltetrazoliumchloride

TWLNL: Total water extract of LNL

TWLNR: Total water extract of LNR

UV: ultra violet

v: volume

w: weight

WHO: World Health Organization

WST: water-soluble tetrazolium salt