

ABBREVIATIONS

%	-	Percentage
%RSD	-	Percentage relative standard deviation
%w/w	-	Percentage weight by weight
μ	-	Micron
μg/ml	-	Microgram per milliliter
μm	-	Micrometer
μM	-	Micromole
μU/ml	-	Micro unit per milliliter
°C	-	Degree centigrade
¹³ C NMR	-	Carbon 13 nuclear magnetic resonance
¹ H NMR	-	Hydrogen 1 nuclear magnetic resonance
AchE	-	Acetyl cholineesterase
AD	-	Alzheimer's disease
AMP	-	Adenosine monophosphate
ANITA	-	Amborellaceae Nymphaeales Illiciales Trimeniaceae Austrobaileyaceae
ATCI	-	Acetylthiocholine iodide
ATP	-	Adenosine triphosphate
Aβ	-	Amyloid peptide
BA	-	Bile acid
CFMNS	-	Chloroform fraction of methanol extract of <i>N. stellata</i>
cfu	-	Colony forming unit
CHNOS	-	Carbon hydrogen nitrogen oxygen sulphur
cm	-	Centimeter
CNS	-	Central nervous system
Co-TLC	-	Comparative thin layer chromatography
Cox-I	-	Cyclo-oxygenase I

CP I	-	<i>C. phlomidis</i> compound I
CP II	-	<i>C. phlomidis</i> compound II
CP III	-	<i>C. phlomidis</i> compound III
CPECP	-	Crude polyamine extract
CVD	-	Cardio-vascular disease
DM		Diabetes mellitus
DMSO	-	Dimethyl sulphoxide
DNA	-	Deoxyribo nucleic acid
EDTA	-	Ethylene diamine tetra aceticacid
FAAH	-	Fatty acid amide hydrolase
g	-	Gram
g/kg	-	Gram per kilogram
GC-MS	-	Gas chromatography – Mass spectroscopy
GLUT2	-	Glucose transporter 2
GSK3	-	Glycogen synthase kinase
HDL	-	High density lipoprotien
HPTLC	-	High performance thin layer chromatography
i.p.	-	Intra peritoneal
IAPP	-	Islet amyloid polypeptide
IC ₅₀	-	Inhibition concentration at 50 %
ICH	-	International committee for harmonization
IR	-	Infra red
ITS	-	Internal transcribed spacer
l	-	Liter
LC ₅₀	-	Lethal concentration at 50 %
LDL	-	Low density lipoprotien
LOD	-	Loss on drying
M	-	Molarity
m.p.	-	Melting point

m/z	-	Mass per charge
mμM	-	Milli micromole
MDR-TR	-	Multidrug resistance transporter
mg/dl	-	Milligram per deciliter
mg/kg	-	Milligram per kilogram
mg/ml	-	Milligram per milliliter
min	-	minute
mRNA	-	Mitochondrial ribonucleic acid
MT	-	Metric ton
N	-	Normality
nAChR	-	Neuronal acetyl choline receptor
NFTs	-	Neurofibrillary tangles
ng	-	Nanogram
ngspot ⁻¹	-	Nanogram per spot
NIDDM	-	Non insulin dependent diabetes mellitus
NLT	-	Not less than
nm	-	Nanometer
nmol	-	Nanomole
NMT	-	Not more than
p.o.	-	Peri oral
PCR	-	Polymerised chain reaction
PGP-TR	-	P-glycoprotein transporter
PPAR	-	Peroxisome proliferator-activated receptor
ppm	-	Parts per million
PTP1B	-	Protein tyrosine phosphatase 1B
RCT	-	Randomized controlled trial
rDNA	-	Ribosomal deoxyribo nucleic acid
R _f	-	Retardation factor
RFMNS	-	Residual fraction of methanol extract of <i>N. stellata</i>

RMECP	-	Residual methanol extract of <i>C. phlomidis</i>
RNA	-	Ribonucleic acid
rpm	-	Revolutions per minute
SDL	-	Step down latency
SOD	-	Super oxide dismutase
STZ	-	Streptozotocin
TC	-	Total cholesterol
TCA	-	Trichloro acetic acid
TG	-	Triglycerides
TLC	-	Thin layer chromatography
TXA ²	-	Thromboxane A ²
TZD	-	Thiazolidinediones
U/g/min	-	Unit per gram per minute
UPFMCP	-	Unsaponified petroleum ether fraction of methanol extract of <i>C. phlomidis</i>
UPFMNS	-	Unsaponified petroleum ether fraction of methanol extract of <i>N. stellata</i>
v/v	-	Volume per volume
VLDL	-	Very low density lipoprotein
w/v	-	Weight per volume
WHO	-	World health organization
Ω	-	Ohms