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List of Abbreviations

Abbreviation	Full form
CMets	Cardiometabolic disorders
IR	Insulin Resistance
ASCVDs	Atherosclerotic Cardiovascular Diseases
WHO	World Health Organization
CVD	Cardiovascular Diseases
ACC/AHA	American College of Cardiology / American Heart Association
BP	Blood pressure
RAAS	Renin Angiotensin Aldosterone System
SNS	Sympathetic nervous system
Ang II	Angiotensin II
ACE	Angiotensin converting enzyme
HTN	Hypertension
PK-PD	Pharmacokinetic pharmacodynamic
DML	Designed multitargeted ligands
AT_1	Angiotensin type-1 receptor
MetS	Metabolic disorders
VTE	Venous thromboembolism
TG	Triglyceride
LDL	Low density lipoprotein
HDL	High density lipoprotein
TC	Total cholesterol
FXa	Factor Xa / Stuart factor
FIIa	Thrombin
VKAs	Vitamin K antagonists
UFH	Unfractionated heparin
LMWHs	Low-molecular-weight heparins
NCE	New chemical entity
DPP4	Dipeptidyl peptidase-4 inhibitor
PPARγ	Peroxisome proliferator-activated receptor gamma
ADMET	Absorption, distribution, metabolism, excretion and toxicity
OECD	Organization for Economic Co-operation and Development
UNX	Unilateral Nephrectomy
DOCA	Deoxycorticosterone acetate
L-NAME	L-Nitro Arginine Methyl Ester
PT	Prothrombin time

Abbreviation	Full form
aPTT	Activated partial thromboplastin
AV shunt	Arteriovenous shunt
TNF-α	Tumor Necrosis Factor alpha
IL-6	Interleukin 6
ELISA	Enzyme-linked immunosorbent assay
NCCS	National Centre for Cell Science
DMEM	Dulbecco's minimum essential medium
EDTA	Ethylenediamine tetraacetic acid
MTT	3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyl-2H-tetrazolium Bromide
RO	Reverse osmosis
IAEC	Institutional Animal Ethics Committee
CPCSEA	Committee for the Purpose of Control and Supervision of Experiments on Animals
PE	Polyethylene
DMSO	Dimethyl sulfoxide
ANOVA	Analysis of variance
HTVS	High-throughput virtual screening
SP	Standard precision
XP	Extra precision
PBS	Phosphate buffer saline
ADME	Absorption, distribution, metabolism and excretion
OD	Optical density
TPSA	Topological polar surface area
nRotb	Number of rotatable bonds
NaCMC	Sodium carboxymethyl cellulose
UV	Ultraviolet
HRP	Horseradish peroxidase
PKC	Protein Kinase C
p-Akt	Phospho-Akt / Protein kinase B
GOD-POD	Glucose oxidase-peroxidase
GPO	Glycerol phosphate oxidase
OPA	Ortho-phosphoric acid
NEDA	Naphthyl ethylenediamine dihydrochloride
MDA	Malondialdehyde
TCA	Trichloroacetic acid

Abbreviation	Full form
TBA	Thiobarbituric acid
GSH	Reduced glutathione
DTNB	5, 5’-dithiobis (2-nitro benzoic acid)
SOD	Superoxide Dismutase
HOMA-IR	Homeostasis model assessment-estimated insulin resistance
QUICKI	Quantitative insulin sensitivity check index
CRC	Concentration response curve
MABP	Mean arterial blood pressure
3D-QSAR	Three-dimensional quantitative structure-activity relationships
MTDL	Multi targeted directed ligands
Pgp	P-glycoprotein
BBB	Blood–brain barrier
CNS	Central nervous system
CYPs	Cytochrome P450
OCT2	Organic Cation Transporter 2
ROS	Reactive oxygen species
NC	Normal control
SC	Sham control
DC	Disease control
KW/BW	Kidney weight/Body weight
KOI	Kidney Oedema Index
ARB	Angiotensin receptor blockers
HOI	Heart Oedema Index
SBP	Systolic blood pressure
DBP	Diastolic blood pressure
HDL-C	High-density lipoprotein cholesterol
VSM	Vascular smooth muscle
MAPK	Mitogen-activated protein kinase
eNOS	Endothelial nitric oxide synthase
NADPH	Nicotinamide adenine dinucleotide phosphate
Los	Losartan
Tera	Terazosin
NO	Nitric oxide
NF-kB	Nuclear factor kappa B
HD	Hypercaloric diet
MS	Metabolic syndrome

Abbreviation	Full form
LBD	Ligand binding domain
Ach	Acetylcholine
OGTT	Oral glucose tolerance test
RCSB	Research Collaboratory for Structural Bioinformatics
LOAEL	Lowest observed adverse effect level
VEC	Vascular endothelial cells