
ABBREVIATIONS

Å	Angstrom
ANKRD1	Ankyrin repeat domain 1
ANOVA	Analysis of variance
ARCE	Anthocyanin rich red cabbage extract
Ca ²⁺	Calcium
CO ₂	Carbon dioxide
CID	PubChem compound identifier
CK-MB	Creatine kinase MB isoenzyme
CPCSEA	Committee for the purpose of control and supervision of experiments on animals
CVDs	Cardiovascular diseases
DAPI	4',6-Diamidino-2-phenylindole
DCFDA	2',7' –Dichlorofluorescein diacetate
DEPC	Diethyl pyro carbonate
DMEM	Dulbeco's modified eagle medium
DMSO	Dimethyl sulfoxide
DPPH	2,2-diphenyl-1-picrylhydrazyl
EDTA	Ethylene diamine tetra acetate
FBS	Fetal bovine serum
FD&C	Federal of food drug and cosmetic
FW	Fresh Weight
GAPDH	Glyceraldehyde 3-phosphate dehydrogenase
GC-MS	Gas chromatography and mass spectroscopy
GPCR	G Protien coupled receptor
H ₂ O ₂	Hydrogen peroxide

HCL	Hydrochloric acid
HDL	High density lipoprotein
HPLC	High performance liquid chromatography
HXE	Hematoxylin and eosin
IAEC	Institutional animal ethics committee
i.p.	Intraperitoneal
ISO	Isoproterenol
KCL	Potassium chloride
KDa	Kilo Dalton
LDL	Low density lipoprotein
LV	Left ventricular
MI	Myocardial infarction
MTT	3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium Bromide
NCBI	National center for biotechnology information
NCD	Non communicable disease
NOAEL	No observed adverse effect level
OPLS	Optimized potentials for liquid simulations
PBS	Phosphate buffer saline
PCR	Polymerase chain reaction
PDB	Protein data bank
RC	Red cabbage
Rf	Retention factor
RHO123	Rhodamine 123
RMSD	Root mean square deviation
ROS	Reactive oxygen species
s.c.	Subcutaneous
SEM	Standard error mean

SERCA2a	Cardiac sarcoplasmic reticulum Ca ²⁺ ATPase2a
SOD	Superoxide dismutase
SYBR	Sybr green
TBARS	Thiobarbituric acid reactive substances
TLC	Thin layer chromatography
TPF	1,3,5-Triphenyl formazan
TPVG	Trypsin phosphate verses glucose
TTC	2, 3, 5- Triphenyl tetrazolium chloride
WHO	World health organization
β AR	Beta adrenergic receptor