

LIST OF ABBREVIATIONS

2,3-DAN	2,3-diaminonaphthalene
AD	Alzheimer's disease
ALS	Amyotrophic lateral sclerosis
BBB	Blood brain barrier
BSA	Bovine serum albumin
CNS	Central nervous system
CxFV	Culex flavivirus
DENV-2	Dengue virus serotype 2
DENV-4	Dengue virus serotype 4
DF	Dengue fever
DHF	Dengue hemorrhagic fever
DSS	Dengue shock syndrome
DMEM	Dulbecco modified eagle's medium
FBS	Fetal bovine serum
HD	Huntington's disease
HAPI cells	Highly aggressive proliferating immortalized cells
H ₂ DCFH-DA	2',7'-dichlorodihydrofluorescein diacetate
hpi	Hours post infection
iNOS	Inducible nitric oxide synthase
IL-1 β	interleukin-1beta
IFN- γ	Interferon-gamma
IL-6	Interleukin-6
JEV	Japanese encephalitis virus
JAK/STAT	Janus Kinase/Signal Transducer and Activator of Transcription
LPS	Lipopolysaccharide
mg	milligram

ABBREVIATIONS (cont.)

MAP	Mitogen-activated protein
MAPKs	Mitogen activated protein kinases
MMP-9	matrix metalloproteinase-9
MTT	3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide
MOI	multiplicity of infection
ml	milliliter
NO	nitric oxide
nm	nanometer
NF- κ B	nuclear factor-kappa B
ONOO ⁻	peroxynitrite
O ₂ ⁻	superoxide radical anion
OH ⁻	hydroxyl radical anion
PD	Parkinson's disease
pg	pico gram
PBS	Phosphate buffer saline
PBST	Phosphate buffer saline tween
ROS	reactive oxygen species
RNA	Ribonucleic acid
RIPA buffer	Radioimmunoprecipitation buffer
SDS-PAGE	Sodium dodecyl sulphate-polyacrylamide gel electrophoresis
t-BuOOH	<i>tert</i> -Butyl hydroperoxide
TNF- α	tumor necrosis factor-alpha
TLR	Toll-like receptor
μ	micro
μ g	microgram
μ M	micro molar