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LIST OF ABBREVIATIONS

µl	microliter
µm	micrometer
µM	micro molar
3-MA	3-Methyl adenine
AD	Alzheimer's disease
AIF	apoptosis inducing factor
AMP	adenosine monophosphate
AMPK	AMP-activated protein kinase
APAF-1	apoptotic protease-activating factor 1
APS	ammonium persulfate
ATG	autophagy-related gene
ATP	adenosine triphosphate
Bcl-2	B-cell lymphoma 2
BH3	Bcl-2 homology 3
BID	BH3 interacting-domain death agonist
Ca^{2+}	calcium
CAF	caffeine
CASPASE	cyteinyl aspartate specific protease
CMA	chaperone mediated autophagy
CNS	central nervous system
CO_2	carbon dioxide
DA	dopamine
DAT	dopamine transporter
DMEM	Dulbecco's modified eagle's medium
DMSO	dimethyl sulfoxide
DOC	deoxylcholate
ECL	enhancement chemiluninasence
EDTA	ethylenediaminetetraacetic acid
ER	endoplasmic reticulum

LIST OF ABBREVIATIONS (cont.)

ETC	electron transport chain
FBS	fetal bovine serum
g	gram
H_2O	water
H_2O_2	hydrogen peroxide
HCl	hydrochloride
HRP	horseradish peroxidase
hsc70	heat shock cognate protein of 70 kDa
IC_{50}	half maximal inhibitory concentration
IMPase	inhibition of inositol monophosphatase
IP_3	inositol and inositol 1,4,5-trisphosphate
KCl	potassium chloride
kDa	kilodalton
kg	Kilogram
KH_2PO_4	potassium dihydrogen phosphate
l	liter
LAMP	lysosome-associated membrane protein
LBs	lewy bodies
LC3	microtubule-associated protein 1 light chain 3
MAO	monoamine oxidase
MEM	minimum essential medium
METH	methamphetamine
mg	milligram
ml	milliliter
mM	millimolar
mm	millimeter
MMP	mitochondrial membrane permeabilization
mRNA	messenger ribonucleic acid
mtDNA	mitochondrial deoxyribonucleic acid

LIST OF ABBREVIATIONS (cont.)

MTOR	mammalian target of rapamycin
MTT	3-(4,5-Dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide
Na2HPO4	disodium hydrogen phosphate
NaDC	sodium deoxycholate
NaF	sodium fluoride
NaOH	sodium hydroxide
NH4Cl	ammonium chloride
nm	nanometer
O2-·	superoxide radical
PBS	phosphate buffer saline
PBST	phosphate buffer saline with tween-20
PD	Parkinson's disease
PVDF	polyvinylidenedifluoride
Rag	Recombination activating genes
ROS	reactive oxygen species
SDS	sodium dodecyl sulfate
SDS-PAGE	sodium dodecyl sulfate-polyacrylamide gel electrophoresis
SEM	the standard error of the mean
SNpc	substantial nigra par compacta
TIDA	Thanyalak institute for drug abuse
TNF	tumor necrosis factor
TNFR	tumor necrosis factor receptor
TRADD	tumor necrosis factor receptor-associated death domain
U	unit
UNODC	The united nations office on drugs and crime
v	volume
VMAT-2	vesicular monoamine transporter-2
w	weight