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LIST OF ABBREVIATIONS

6-OHDA	6-hydroxydopamine
ACh	Acetylcholine
AChE	Acetylcholinesterase
ADP	Adenosine diphosphate
ATP	Adenosine triphosphate
BW	Body weight
cAMP	Cyclic nucleotides adenosine monophosphate
cGMP	Cyclic nucleotides guanosine monophosphate
Ca ²⁺	Calcium ion
CA1	Cornu Ammonnis area 1
CA2	Cornu Ammonnis area 2
CA3	Cornu Ammonnis area 3
CAT	Catalase
COMT	Catechol-O-methyltransferase
Cu ²⁺	Copper ion
Da	Dalton
DA	Dopamine
DG	Dentate gyrus
DNA	Deoxyribose Nucleic Acid
dl	Decilitre
Enk	Enkephalin
eNOS	Endothelial NOS
ETC	Electron transport chain
Fe ²⁺	Ferric ion
FADH ₂	Flavin adenine dinucleotide (reduced)
GABA	Gamma amino butyric acid
Glu	Glutamate
GPe	Globus pallidus external segment

LIST OF ABBREVIATIONS (Cont.)

GPi	Globus pallidus internal segment
GPx	Glutathione peroxidase
GSH	Glutathione
H ₂ O ₂	Hydrogen peroxide
Hz	Hertz
iNOS	Inducible NOS
kg	Kilogram
LD	Lethalgy dose
MDA	Malondialdehyde
NO	Nitric oxide
NMDAR	N-methyl-D-aspartate receptors
nNOS	Neuronal NOS
NOS	Nitric oxide synthase
MAO-A	Monoamine oxidases A
MAO-B	Monoamine oxidases B
MDA	Malondialdehyde
mg	Milligram
min	Minute
Mn ²⁺	Manganese ion
MPP ⁺	1-methyl-4-phenyl-2,3-dihydropyridium ion
MPTP	1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine
NADHPH	Dihyronicotinamide adenine dinucleotide phosphate
NF-KB	Nuclear factor Kappa B
nm	Nanometer
NMDA	N-methyl-D-aspartate
NO	Nitric oxide
PPN	Pedunculopontine nucleus
PD	Parkinson's disease
QC	Quercetin (3, 5, 7, 3, 4-pentahydroxyflavone)

LIST OF ABBREVIATIONS (Cont.)

ROS	Reactive oxygen species
SC	Stratum corneum
SEM	Standard error of mean
SNpc	Substantia nigra pars compacta
SNr	Substantia nigra pars reticulate
STN	Subthalamic nucleus
SOD	Superoxide dismutase
µg	Microgram
µm	Micrometer
UPS	Ubiquitin proteosomal system