

Abbreviations

2',7'-dichlorodihydrofluorescein diacetate	H2DCFDA
3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide	MTT
Brain-derived neurotrophic factor	BDNF
Central nervous system	CNS
Cyclooxygenase-2	COX-2
Docosahexaenoic acid	DHA
Dulbecco's Modified Eagle Medium	DMEM
Hemeoxygenase 1	HO-1
Interleukin 1 β	IL-1 β
Interleukin 6	IL-6
Lipopolysachharide	LPS
MeCP2 siRNA transfected	S2
Methyl-CpG-binding protein 2	MeCP2
Mitochondrial membrane potential	MMP
Mitochondrial respiratory complexes	MRC
Mitogen-activated protein kinase	MAPK
Negative control	NC
Nuclear Factor- Kappa B	NF- κ B
Quercetin hydrate	QH
Toll like receptor 4	TLR-4
Tumour necrosis factor- α	TNF- α
Ubiquinol cytochrome c reductase core protein	Uqcrc1