

# LIST OF ABBREVIATIONS

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<b>Abbreviation</b>	<b>Full Form</b>
5HT2a	- 5-Hydroxytryptamine (Serotonin) Receptor 2A
5HT2b	- 5-Hydroxytryptamine (Serotonin) Receptor 2B
5HT6	- 5-Hydroxytryptamine (Serotonin) Receptor 6
ANOVA	- Two-Way Analysis Of Variance
AT1	- Angiotensin II Receptor Type 1
ATM	- Ataxia - Telangiectasia Mutated
ASICs	- Acid - Sensing Ion Channels
B1	- Bradykinin Receptor - 1
bFGF	- Basic Fibroblast Growth Factor
cAMP	- cyclic Adenosine Monophosphate
CB1	- Cannabinoid Receptor Type 1
CB2	- Cannabinoid Receptor Type 2
CDKs	- Cyclin - Dependent Kinases
C/EBP $\alpha$	- CCAAT/Enhancerbinding Proteins
CFA	- Complete Freund's Adjuvant
CHO - K1	- Chinese Hamster Ovary Cells
CHOP	- C/EBP Homologous Protein
COPD	- Chronic Obstructive Pulmonary Disease
COX2	- Cyclooxygenase - 2
CVS	- Cardiovascular
DAG	- Diacylglycerol
DM	- Diabetes Mellitus
DMEM	- Dulbecco's Modified Eagle's Medium
DPPIV	- Dipeptidyl Peptidase - 4



DRG	-	Dorsal Root Ganglion
EC <sub>50</sub>	-	Half Maximal Effective Concentration
EP2	-	Prostaglandin E2 Receptor
EP4	-	Prostaglandin E4 Receptor
ERK	-	Extracellular Signal - Regulated Kinases
FAAH	-	Fatty Acid Amide Hydrolase
FIP	-	Formalin Induced Pain
FRET	-	Fluorescence Resonance Energy Transfer
FLT3	-	Fms -Like Tyrosine Kinase 3
FLIPR	-	Fluorescence Imaging Plate Reader
FMP dye	-	FLIPR Membrane Potential Dye
GABA	-	Gamma - Aminobutyric Acid
GLP -1	-	Glucagon -Like Peptide -1
GPCRs	-	G Protein <b>-Coupled Receptors</b>
H1	-	<b>Histamine - 1 R eceptor</b>
HBSS	-	Hank's Balanced Salt Solution
HDAC	-	Histone Deacetylase
HEK - 293	-	Human Embryonic Kidney 293 Cells
hERG	-	Human Ether - a - go - go Related Gene
HTRF	-	Homogeneous Time Resolved Fluorescence
IAEC	-	Institutional Animal Ethics Committee
IBD	-	Inflammatory Bowel Disease
IC <sub>50</sub>	-	Half Maximal Inhibitory Concentration
IGF -1	-	Insulin -Like Growth Factor 1
IL -2	-	Interleukin -2
IL -6	-	Interleukin 6
i.p.	-	Intraperitoneal
IP3	-	Inositol 1,4,5 - Triphosphate
JNK	-	C - Jun N -Terminal Kinase

M1	-	Muscarinic Acetylcholine Receptor - 1
MAPK	-	Mitogen - Activated Protein Kinase
MC4	-	Melanocortin 4
MERTK	-	Tyrosine - Protein Kinase Mer Precursor
MIP1 $\alpha$	-	Macrophage Inflammatory Proteins
MMP -9	-	Matrix Metalloproteinases
MTT	-	3-(4,5 - Dimethylthiazol - 2 - Yl) - 2,5 - Diphenyltetrazolium Bromide
NaV	-	Sodium Channels
NFATC3	-	Nuclear Factor of Activated T - Cells, Cytoplasmic 3
NF- $\kappa$ B	-	Nuclear Factor Kappa - Light - Chain - Enhancer Of Activated B Cells
NMP	-	N - Methyl - 2 - Pyrrolidone
NO	-	Nitric Oxide
NOS	-	Nitric Oxide Synthase
NPY1	-	Neuropeptide Y1
NPY2	-	Neuropeptide Y2
NSAIDs	-	Nonsteroidal Anti - Inflammatory Drugs
NSS	-	Normal Saline Solution
ORL - 1	-	Opiate Receptor Like - 1 Receptor
ORF	-	Open Reading Frame
PCNA	-	Proliferating Cell Nuclear Antigen
PIP2	-	Phosphatidylinositol 4,5 - Bisphosphate
PKM	-	Pyruvate Kinase Muscle Isozyme
p.o.	-	Oral
PPAR $\gamma$	-	Peroxisome Proliferator - Activated Receptor $\gamma$
PTGS2	-	Prostaglandin - Endoperoxide Synthase 2
PUFA	-	Polyunsaturated Fatty Acids
PWF	-	Paw Withdrawal Force
RIP	-	Receptor - Interacting Protein
ROS	-	Reactive Oxygen Species

SGVC	-	Voltage Gated Sodium Channels
SMAC	-	Second Mitochondria -Derived Activator of Caspases
SREBP1C	-	Sterol Regulatory Element -Binding Proteins
STAT3	-	Signal Transducer and Activator of Transcription 3
TCGLS	-	TCG Life Sciences
TNF - $\alpha$	-	Tumor Necrosis Factor -alpha
TRKA	-	Tropomyosin Receptor Kinase A
TRP	-	Transient Receptor Potential Channel
TRPV1	-	Transient Receptor Potential Cation Channel Subfamily V Member 1
uPA	-	Urokinase -Type Plasminogen Activator
uPAR	-	Urokinase -Type Plasminogen Activator Receptor
VEGF	-	Vascular Endothelial Growth Factor
Z -VAD -FMK	-	Carbobenzoxy - Valyl - Alanyl - Aspartyl - [O - Methyl] - Fluoromethylketone