

## LIST OF ABBREVIATIONS

2-AG	: 2-Arachidonoylglycerol
7-TMs	: Seven transmembrane $\alpha$ spirals
BBB	: Blood brain barrier
BMI	: Body mass index
CB1R	: Cannabinoid 1 receptor
CNS	: Central nervous system
CoMFA	: Comparative molecular field analysis
CoMSIA	: Comparative molecular similarity index analysis
CPH	: Common pharmacophore hypothesis
ECS	: Endocannabinoid system
ERK 1/2	: Extracellular signal-regulated kinase-1 and -2
FAAH	: Fatty acid amide hydrolase
GPCRs	: G-protein coupled receptors
i. p.	: Intraperitoneal
i.v.	: Intravenous
IR	: Infrared
JNK	: c-jun <i>N</i> -terminal kinase
LOO	: Leave-one-out
MAG lipase	: Monoacylglycerol lipase
MAPks	: Mitogen-activated protein kinase
OECD	: Organisation for Economic Co-operation and Development
ONC	: Optimum number of component
PBS	: Phosphate buffer saline
PDB	: Protein data bank
PET	: Photon emission tomography
PK	: Pharmacokinetics
PLP	: Piece-wise linear potential
PLS	: Partial least square
PMR	: Proton nuclear magnetic resonance spectroscopy
PSA	: Polar surface area
QSAR	: Quantitative structure activity relationship
RMSD	: Root mean square deviation
SAM	: Swiss Albino Mice
SEE	: Standard error of estimation
SEP	: Standard error of prediction
SPECT	: Single photon emission computed tomography
SREBP-1C	: Sterol response element-binding protein-1C
THC	: $\Delta^9$ -Tetrahydrocannabinol
TLC	: Thin layer chromatography
VTA	: Ventral tegmental area