% – Percentage

°C – Degree centigrade

µl – Microlitre

µM – Micromolar

ALP – Alkaline phosphatase

ALT – Alanine transaminase

ANOVA – Analysis of variance

AST – Aspartate transaminase

ATP – Adenosine triphosphate

BUN – Blood urea nitrogen

CADD – Computer aided drug design

$CDCl_3$ – Deuterated chloroform

cm – Centimeter

CNS – Central nervous system

CoMFA – Comparative molecular field analysis

CoMSIA – Comparative molecular similarity indices analysis

DMCM – Methyl 6,7-dimethoxy-4-ethyl-beta-carboline-3-carboxylate

ED_{50} – Median effective dose

FDA – Food and drug administration

FTIR – Fourier transform infrared spectroscopy

g – Gram(s)

GABA – γ–aminobutyric acid

GAT – GABA transporters

h – Hour

i.p. – Intraperitoneal

IC_{50} – Half maximal inhibitory concentration

TLC – Thin layer chromatography

TMS – Tetramethylsilane

UV – Ultra violet

XRD – X-ray diffraction

Kg – Kilogram **LBDD** – Ligand based drug design **m.p.** – Melting point **MD** – Molecular dynamics **MES** – Maximal electroshock **MET** – Metrazole **MTT** – 3-(4,5-Dimethylthiazol-2-yl)-2,5-Diphenyltetrazolium Bromide **mg** – Milligram **min** – Minutes **ml** – Milliliter **mm** – Millimeter **mmol** – Millimole **Mol. Eq.** – Molar equivalent **NCE** – New chemical entity **NMDA** – N–methyl–D–aspartate **NMR** – Nuclear magnetic resonance **ns** – Nanosecond **OECD** – Organization for economic co–operation and development **OPLS** – Optimised potentials for liquid simulations **P** – Partition coefficient PAMPA – Parallel artificial membrane permeability assay **p.o.** – Per oral **PDB** – Protein data bank **ps** – Picosecond PTZ **QSAR** – Quantitative structure–activity relationship	

R_f – Retention factor **RMSD** – Root mean square deviations **rpm** – Revolutions per minute **s** – Seconds **SBDD** – Structure-based drug design **sc** – Subcutaneous ***sc*PTZ** – Subcutaneous pentylenetetrazole **SD** – Standard deviation **SBDD** – Structure based drug design	