

LIST OF ABBREVIATIONS AND SYMBOLS

ILAE – International League Against Epilepsy	ALP – Alanine aminotransferase
GABA – Gamma-aminobutyric acid	AST – Aspartate aminotransferase
ED₅₀ – Median effective dose	SD – Standard deviation
TD₅₀ – Median toxic dose	°C – Degree centigrade
PI – Protective index	μmol – Micromolar
AMPA – α-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid	min – Minutes
NMDA – N-methyl-D-aspartate	S – Seconds
iGluRs – Ionotropic receptors	% – Percentage
MES – Maximal electroshock	G score – Glide score
scPTZ – Subcutaneous pentylenetetrazole	m.p. – Melting point
PDB – Protein data bank	μl – Microliter
OECD – Organization for Economic Co-operation and Development	mL – Milliliter
i.p. – Intraperitoneal	mg – Milligram
TLC – Thin layer Chromatography	Kg – Kilogram
FDA – Food and Drug Administration	g – Gram(s)
PEG – Poly(ethylene glycol)	h – Hour
cm – Centimeter	TMS – Tetramethylsilane
FTIR – Fourier transform infrared spectroscopy	NMR – Nuclear Magnetic Resonance
i.c.v – Intracerebroventricular	R_f – Retention factor
OPLS – Optimized Potentials for Liquid Simulations	rpm – Revolution per minute
CDCl₃ – Deuterated chloroform	ATD – Amino terminal domain
CNS – Central nervous system	PNT – Phenytoin
UV – Ultra violet	TLP – Talampanel
Ac₂O – Acetic anhydride	ANOVA – Analysis of variance
	ARG – Arginine
	LYS – Lysine
	SER – Serine
	GYKI 52466 – 1-(4-Aminophenyl)-4-methyl-7,8-methylenedioxy-5H-2,3-benzodiazepine