

## 9. List of abbreviations

ACE	Angiotensin converting enzyme
ACE2	Angiotensin converting enzyme 2
A-I	angiotensin-I
A-II	angiotensin-II
A-III	angiotensin-III
A-IV	angiotensin-IV
Ala	alanine
AMPSO	N-(1,1-Dimethyl-2-hydroxyethyl)-3-amino-2-hydroxy-propanesulfonic acid
Arg	arginine
Asn	asparagine
Asp	aspartic acid
AT <sub>1</sub>	angiotensin-II receptor type 1
AT <sub>2</sub>	angiotensin-II receptor type 2
AT <sub>3</sub>	angiotensin-II receptor type 3
AT <sub>4</sub>	angiotensin-II receptor type 4
BLAST	Basic local alignment search tool
BLOSUM	Block Scoring Matrix
CaCl <sub>2</sub>	potassium chloride
CID	collision induced dissociation
CNBr	bromcyanide
Cys	cysteine
Da	Dalton
DTT	1,4-Dithio-DL-threitol
EDC	N-ethyl-N'-(3-dimethylaminopropyl) carbodiimide hydrochloride
EDTA	ethylenediaminetetraacetic acid tetrasodium salt hydrate
ESI-MS/MS	Electrospray-Ionization tandem mass spectrometry
fmol	femto mol ( $10^{-15}$ mol)
GHz	giga hertz
Gln	glutamine
Glu	glutamic acid

## List of abbreviations page 102

Gly	glycine
HEPES	4-(2-Hydroxyethyl)piperazine-1-ethanesulfonic acid
His	histidine
HPLC	high pressure liquid chromatography
HR	high resolution
IEF	isoelectric focusing
Ile	isoleucine
IT	ion trap
K <sub>av</sub>	partition coefficient
KDa	Kilo Dalton
Leu	leucine
Lys	lysine
m/z	mass to charge ratio
MALDI-TOF MS	matrix- assisted- laser- desorption- ionization- time- of- flight- mass- spectrometry
MES	mass-spectrometry-linked- enzyme-screening system
Met	methionine
MnCl <sub>2</sub>	manganese (II) chloride
MS	mass spectrometry
NaCl	sodium chloride
NaHCO <sub>3</sub>	sodium hydro carbonate
Nano-LC	Nano-liquid chromatography
nmol	nano mol (10 <sup>-9</sup> mol)
OPA	ortho-phtaldialdehyde
Phe	phenylalanine
pI	isoelectric point
pmol	pico mol (10 <sup>-12</sup> mol)
Pro	proline
RP	reversed
SDS-PAGE	sodium dodecyl sulphate-polyacrylamide gel electrophoresis
Ser	serine
Thr	threonine
TMAE	trimethyl-amino-ethyl

### List of abbreviations page 103

Tris	2-Amino-2-(hydroxymethyl)-1,3-propanediol
TRIC-HCl	Tris(hydroxymethyl)aminomethane hydrochloride
Trp	tryptophan
Tyr	tyrosine
UV	ultra violet light
Val	valine