

## LIST OF ABBREVIATIONS

Anal.	:	Analysis
Aq.	:	Aqueous
Ar	:	Aryl
brs	:	Broad singlet (in NMR)
Calcd	:	Calculated
CADD	:	Computer aided design and drafting
CuSO <sub>4</sub> ·5H <sub>2</sub> O	:	Copper sulfate penta hydrate
CuAAC	:	Copper-catalyzed 1,3-dipolar azide–alkyne cycloaddition
δ	:	Chemical shift (parts per million)
Conc.	:	Concentrated
°C	:	Degree celsius
CDCl <sub>3</sub>	:	Deuterated chloroform
CH <sub>3</sub> COOH	:	Acetic acid
DMSO-d <sub>6</sub>	:	Deuterated dimethyl sulfoxide
DCM	:	Dichloromethane
DMF	:	Dimethyl formamide
d	:	Doublet (in NMR)
dd	:	Double doublet (in NMR)
EI	:	Electron impact
ESIMS	:	Electron spray ionization mass spectrometry
ESMS	:	Electron spray mass spectrometry
eV	:	Electron volt
EtOH	:	Ethanol
EtOAc	:	Ethyl acetate
FTIR	:	Fourier transformed-infra Red
gm	:	Gram(s)
Hz	:	Hertz(s)
h	:	Hour(s)
HIV	:	Human immune deficiency virus
HCl	:	Hydrochloric acid
IC <sub>50</sub>	:	Inhibitory concentration at 50%
IR	:	Infrared
i.p.	:	Intraperitoneal
J	:	Coupling constant (in NMR)
KBr	:	Potassium bromide
m/z	:	Mass to charge ratio (in Mass spectrometry)
MHz	:	Mega hertz
Mp	:	Melting point
MeOH	:	Methanol

Me	:	Methyl
M <sup>+</sup>	:	Molecular ion peak
µg	:	Microgram
µL	:	Microlitre(s)
µm	:	Micrometer
µM	:	Micromolar
mg	:	Milligram
mL	:	Millilitre(s)
mmol	:	Millimole
MIC	:	Minimum inhibitory concentration
Min	:	Minute
m	:	Multiplet (in NMR)
MeOD	:	Deuterated methanol
MHB	:	Mueller–Hinton broth
nm	:	Nanometer
NMR	:	Nuclear magnetic resonance
Na <sub>2</sub> SO <sub>4</sub>	:	Sodium sulphate
NaH	:	Sodium hydride
NH <sub>2</sub> OH	:	Hydroxyl amine
NH <sub>2</sub> NH <sub>2</sub> .H <sub>2</sub> O	:	Hydrazine hydrate
ppm	:	Parts per million
%	:	Percentage
q	:	Quartet (in NMR)
R <sub>f</sub>	:	Retention factor
R <sub>t</sub>	:	Room temperature
SI	:	Selectivity index
s	:	Singlet (in NMR)
SDB	:	Sabouraud–dextrose broth
TMS	:	Tetramethylsilane
TLC	:	Thin layer chromatography
t	:	Triplet (in NMR)
TBAB	:	Tetrabutylammonium bromide
UV	:	Ultraviolet
wt.	:	Weight
WHO	:	World Health Organization
[ ]	:	References