

## List of Abbreviations

°C	Degree Celsius
Me	Methyl
Ph	Phenyl
Ar	Aryl
g	Gram
H	Hydrogen
GC-MS	Gas Chromatography-Mass Spectrometry
ESI	Electrospray ionization (MS)
FT-IR	Fourier Transform Infra Red
SCXRD	Single Crystal X-ray Diffraction
HR-MS	High Resolution Mass Spectrometer
PPh <sub>3</sub>	Triphenyl Phosphine
MeCN	Acetonitrile
MeOH	Methanol
DMF	Dimethyl Foramide
THF	Tetrahydrofuran
EtOH	Ethanol
CDCl <sub>3</sub>	Deuterated chloroform
DFT	Density functional theory
TD-DFT	Time dependent Density functional theory
DCM	Dichloromethane
h	Hour
Hz	Hertz
<i>o</i>	Ortho
<i>m</i>	Meta
<i>p</i>	Para
m.p.	Melting point
<i>m/z</i>	Mass to charge ratio
mg	Milligram
MHz	Mega Hertz
min.	Minute
mL	Milliliter
mmol	Millimolar

mol	Molar
Temp.	Temperature