

LIST OF ABBREVIATIONS

Notations	Abbreviations
%	Percentage
<	Less than
>	More than
°	Degree
Å	Angstrom
Ac	Acetyl
Ac ₂ O	Acetic anhydride
brs	Broad singlet
Obser.	Observed
Calc.	Calculated
CHCl ₃	Chloroform
cm	Centimeter
<i>J</i>	Coupling constant
CDCl ₃	Deuterated chloroform
DMSO-d ₆	Deuterated dimethyl sulfoxide
D ₂ O	Deuterated water
°C	Degree celsius
d	Doublet
DCE	Dichloroethane
DCM	Dichloromethane
dd	Doublet of doublet
ddd	Doublet of doublet of doublet
ddt	Doublet of doublet of triplet
DMSO	Dimethyl sulfoxide
dq	Doublet of quartet
dt	Doublet of triplet
equiv.	Equivalent
EtOH	Ethanol
EtOAc	Ethyl acetate
g	Gram; Gravitational force
GC-MS	Gas Chromatography Mass Spectrometry
h	Hour
HRMS	High Resolution Mass Spectrometry

HFIP	Hexafluoro-2-propanol
Hz	Hertz
IR	Infra Red
LDA	Lithium diisopropylamide
m	Multiplet
m/z	Mass to charge ratio
MeOH	Methanol
CD ₃ OD	Methanol-d ₄
mg	Milligram
MHz	Megahertz
min	Minute
mL	Milliliter
mm	Millimeter
mmol	Millimole
μm	Micrometer
m.p.	Melting point
nm	Nanometer
NMR	Nuclear Magnetic Resonance
<i>n</i> -BuLi	<i>n</i> -Butyllithium
KOH	Potassium hydroxide
pH	Potential of hydrogen
ppm	Parts per million
RT	Room temperature
NaCl	Sodium chloride
s	Singlet
<i>t</i> -Bu	Tertiary butyl
THF	Tetrahydrofuran
TLC	Thin-Layer Chromatography
TMS	Tetramethylsilane
CF ₃ COOH	Trifluoroacetic acid
UV	Ultraviolet
XRD	X-ray Diffraction
α	Alpha
β	Beta
γ	Gamma
δ	Chemical shift
[ox]	Oxidation

R_f	Refractive Index
i.e.	that is
o	Ortho
m	Meta
p	Para