

## List of Abbreviations and Symbols

ACN	Acetonitrile
Å	Angstrom
α	Alpha
β	Beta
BnBr	Benzyl bromide
OBn	Benzyloxy
OBu	Butoxy
CSA	Chiral Solvating Agent
CHCl <sub>3</sub>	Choloroform
18-C-6	18-crown-6
°C	Degree Celcius
DCM	Dichloromethane
DMSO	Dimethyl sulfoxide
<i>dr</i>	Diastereomeric ratio
EI-Mass	Electron Impact Mass Spectrometry
<i>ee</i>	Enantiomeric Excess
EtOH	Ethyl alcohol
OEt	Ethoxy
FPHCs	Fluorinated polyaromatic hydrocarbons
FTIR	Fourier Transform Infrared Spectroscopy
GC-MS	Gas chromatogrpahy-mass spectroscopy
g	Grams
h	Hour
LAH	Lithium aluminium hydride
MA	Mandelic Acid
MHz	Mega Hertz
OMe	Methoxy
M.P.	Melting point
mg	Milligram
mL	Millilitres
mmol	Millimols
mM	millimolar
min	Minute
mMR	Modified Mannich reaction
DMA	N,N-Dimethylacetamide
DMF	N,N-Dimethylformamide
NMP	N-Methylpyrrolidinone
NMR	Nuclear Magnetic Resonance
Pd(OAc) <sub>2</sub>	Palladium(II) acetate
π	Pi
TMSA	Tetramethylsilyl acetylene
ppm	Parts per million
PTC	Phase Transfer Capacity
pTSA	<i>p</i> -Toluene sulfonic acid

r.t.	Room Temperature
$\sigma$	Sigma
<sup>t</sup> Bu	<i>tert</i> -Butyl
TBAB	Tetrabutylammonium Bromide
THF	Tetrahydrofuran
TLC	Thin layer chromatography
TsCl	Tosyl Chloride
OTs	Tosylate
NEt <sub>3</sub>	Triethylamine
TON	Turn Over Number
UV	Ultraviolet