

## LIST OF ABBREVIATIONS

ADMET	Acyclic diene metathesis polymerization
((R)-BINAP)	(R)-(+)-2,2'-bis(diphenylphosphino)-1,1'-binaphthyl
((S)-BINAP)	(S)-(+)-2,2'-bis(diphenylphosphino)-1,1'-binaphthyl
Boc	<i>t</i> -Butoxycarbonyl
<i>t</i> -BuOK	Potassium <i>tert</i> -Butoxide
Boc <sub>2</sub> O	Di- <i>t</i> -butyl dicarbonate
Cod	Cyclo-octadiene
CM	Cross metathesis
DCPD	Dicyclopentadiene
DCM	Dichloromethane
((R,R)-DIOP)	(4R,5R)-(-)-O-isopropylidene-2,3-dihydroxy-1,4-bis(diphenylphosphino)butane
((S,S)-DIOP)	(4S, 5S)-(+)-O-isopropylidene-2,3-dihydroxy-1,4-bis(diphenylphosphino)butane
DMF	<i>N,N</i> -Dimethylformamide
DMSO	Dimethyl sulfoxide
DPPE	1,2-Bis(diphenylphosphino)ethane
DPPP	1,3-Bis(diphenylphosphine)propane
HDT	Heat deflection temperature
HRMS	High resolution mass spectroscopy
IR	Infrared

Mes	1,3,5-Mesitylene-2-yl
NHC	<i>N</i> -heterocyclic carbene
NMR	Nuclear Magnetic Resonance
RCM	Ring closing metathesis
ROM	Ring opening metathesis
ROMP	Ring opening metathesis polymerisation
SHOP	Shell higher olefin process
TFA	Trifluoroacetic acid
THF	Tetrahydrofuran
TLC	Thin layer chromatography
<i>p</i> TSA	<i>p</i> -Toluenesulfonic acid
TsCl	<i>p</i> -Toluenesulfonyl chloride