

LIST OF THE ABBREVIATIONS

calcd.	Calculated
COSY	Correlation spectroscopy
δ	delta
d	doublet
dd	doublet of a doublet
ddd	doublet of a doublet of a doublet
DEPT	Distortionless enhancement polarization transfer
DFT	Density functional theory
DMSO	dimethyl sulfoxide
DMF	dimethyl formamide
EIMS	Electron Impact Mass
FABMS	Fast Atom Bombardment Mass
h	hour
HMBC	Heteronuclear Multiple-Bond Correlation
HRMS	High-Resolution Mass
HSQC	Heteronuclear multiple quantum coherence
IR	Infrared
LW	Leuckart – Wallach
MHz	mega hertz
m	multiplet
mg	milligrams
min.	minutes
mL	milli litre
mmol	milli mole
μ v	microwave
mp	melting point
NMR	Nuclear Magnetic Resonance
NOE	Nuclear Overhauser effect
NOESY	Nuclear Overhauser effect spectroscopy
<i>p</i> -TSA	<i>p</i> -Toluene Sulfonic Acid

PEG-200	polyethylene glycol-200
ppm	part per million
Ph	phenyl
PTC	phase transfer catalyst
rt	room temperature
s	singlet
t	triplet
THF	tetrahydro furan
TLC	Thin layer chromatography
v	wave number
W	watts