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ABBREVIATIONS

[α]	specific rotation (expressed without units; the actual units, deg.mL/g.dm. are understood)
α	alpha
Ac	acetate
aq	aqueous
Ar	aryl
AUC	area under concentration
Aux	auxiliary
β	beta
bs	broad singlet
Bn	benzyl
Bz	benzoyl
C'	concentration
C _{max}	mean plasma concentration
CH ₂ Cl ₂	dichloromethane
(COCl) ₂	oxalyl chloride
CSA	camphor sulphonic acid
Calcd	calculated
¹³ C NMR	carbon-13 nuclear resonance spectroscopy
CS ₂	carbon disulphide
° C	degrees Celsius
δ	delta (chemical shift in parts per million)

DMF	dimethylformamide
DMSO	dimethylsulfoxide
DMAP	4-dimethylamino pyridine
DIBAL-H	diisobutylaluminium hydride
DDQ	2,3-dichloro-5,6-dicyno-1,4-benzoquinone
DIEA	<i>N, N</i> -diisopropylethylamine
DBU	1,8-diazabicyclo (5.4.0) undec-7-ene
DCC	dicyclohexylcarbodiimide
DMP	Dess-Martin periodinane
d	doublet
dr	diastereomeric ratio
ED ₅₀	effective dosage 50%
EDC.HCl	1-(3-dimethylaminopropyl)-3-ethylcarbodiimide hydrochloride
EI	electron impact (in mass spectrometry)
Equiv	equivalent
ESMS	electro-spray mass spectrometry
ESI	electro-spray ionization
Et	ethyl
EtCHO	propionaldehyde
Et ₂ O	diethyl ether
EtOAc	Ethyl acetate

Abbreviations

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EtOH	ethanol
FAB	fast atom bombardment
FT-IR	Fourier Transform infrared spectroscopy
G	gram
G-II	Grubb's second generation catalyst
γ	gama
^1H NMR	proton nuclear magnetic resonance spectroscopy
Hz	hertz
H₂O	water
HRMS	high-resolution mass spectrometry
h / hr	hour
IDBA	idosobenzenediacetate
<i>J</i>	coupling constant in hertz
LiBH₄	lithium borohydride
m	multiplet (spectral)
M	molar
Me	methyl
MeOH	methanol
mg	milligram
min	minute
MIC	minimum inhibitory concentration
mL	milliliter

Abbreviations

iv

mmol	millimole
mol %	molar percentage
MOM	methoxymethyl
Mp	melting point
<i>m/z</i>	mass-to-charge ratio
μmol	micro-molar
<i>n</i>	primary
N	normality
NaBH₄	sodium borohydride
NaHMDS	sodium hexamethyldisilazane
NMP	<i>N</i>-methylpyrrolidinone
NOESY	nuclear overhauser effect spectroscopy
Oxdn	oxidation
Ph	phenyl
ppm	parts per million
pyr	pyridine
PPTS	pyridinium <i>para</i>-toluenesulphonate
Ph₃P	triphenylphosphine
Pd/C	Palladium on charcoal
PMB or MPM	<i>para</i>-methoxybenzyl (methoxy phenyl methyl)
q	quartet
R	clockwise rotation

Abbreviations

v

r.t.	room temperature
RCM	ring closing metathesis
s	singlet
<i>S</i>	anticlockwise rotation
t	triplet
<i>tert</i>	tertiary
TBS	<i>tert</i> -butyldimethylsilyl
TBDPS	<i>tert</i> -butyldiphenylsilyl
TBAF	tetrabutylammonium fluoride
TEA	triethylamine
TEMPO	2,2,6,6-tetramethyl-1-piperidinyloxy, free radical
THF	tetrahydrofuran
TiCl ₄	titanium tetrachloride
TLC	thin-layer chromatography
Tf	trifluoromethanesulfonate (triflate)
T _{max}	maximum plasma concentration
Wt	weight
Z	<i>cis</i> geometry

