

Abbreviations

Ac ₂ O	:	acetic anhydride
AcCl	:	acetyl chloride
AcOH	:	acetic acid
aq	:	aqueous
BAIB	:	[bis(acetoxy)iodo]benzene
Bn	:	benzyl
(Boc) ₂ O	:	di- <i>tert</i> -butyl dicarbonate
<i>n</i> -Bu ₂ SnO	:	<i>n</i> -dibutyltin oxide
c	:	concentration
calcd	:	calculated
CAN	:	ceric ammonium nitrate
CH ₃ CN	:	acetonitrile
<i>m</i> -CPBA	:	<i>meta</i> -chloroperoxybenzoic acid
cm	:	centimetre
ct	:	calf thymus
Cy	:	cyclohexylidene
DABCO	:	1,4-diazabicyclo[2.2.2]octane
DBU	:	1,8-diazabicyclo[5.4.0]undec-7-ene
DCM	:	dichloromethane
1,2-DCE	:	1,2-dichloroethane
DDQ	:	2,3-dichloro-5,6-dicyano benzoquinone
DET	:	diethyltartrate
DIAD	:	diisopropyl azodicarboxylate
DIPEA	:	diisopropyl ethyl amine
DIBAL-H	:	diisobutylaluminium hydride
DMF	:	<i>N,N</i> -dimethylformamide
DMAP	:	<i>N,N</i> -dimethyl-4-aminopyridine
2,2-DMP	:	2,2-dimethoxypropane

DMP	:	Dess-Martin periodinane
DMSO	:	dimethyl sulphoxide
DNA	:	deoxyribonucleic acid
EDC	:	1-ethyl-3-(3-dimethylaminopropyl) carbodiimide
ESI	:	electrospray ionization
Et	:	ethyl
EtOAc	:	ethyl acetate
EWG	:	electron withdrawing group
g	:	gram
h	:	hour (s)
HWE	:	Horner-Wadsworth-Emmons
GC	:	gas chromatography
HC(OEt) ₃	:	triethyl orthoformate
HRMS	:	high resolution mass spectrometer
IBX	:	2-iodoxybenzoic acid
IC ₅₀	:	half maximal inhibitory concentration
IR	:	infrared
<i>J</i>	:	coupling constant
LAH	:	lithium aluminium hydride
LDA	:	lithium diisopropylamide
Min	:	minutes
Me	:	methyl
MIC	:	minimum inhibitory concentration
MOMCl	:	methyl chloromethyl ether
MP	:	melting point
MS	:	mass spectrometry
Ms	:	methanesulfonyl (mesyl)
mL	:	millilitre
µg	:	microgram
µM	:	micromolar

NaH	:	sodium hydride
NaOAc	:	sodium acetate
NBS	:	<i>N</i> -bromosuccinimide
NMO	:	<i>N</i> -methyl morpholine- <i>N</i> -oxide
NMR	:	nuclear magnetic resonance
PEG	:	polyethylene glycol
PMB	:	<i>para</i> -methoxy benzyl
PCC	:	pyridinium chlorochromate
PDC	:	pyridinium dichromate
ppm	:	parts per million
PPTS	:	pyridinium <i>p</i> -toluenesulfonate
rt	:	room temperature
RCM	:	ring closing metathesis
SAE	:	Sharpless asymmetric epoxidation
TBAF	:	tetrabutylammonium fluoride
TBAI	:	tetrabutylammonium iodide
TBDMS/TBS	:	<i>tert</i> -butyldimethylsilyl
TBDPS	:	<i>tert</i> -butyldiphenylsilyl
TBHP	:	<i>tert</i> -butyl hydroperoxide
TBSOTf	:	<i>tert</i> -butyldimethylsilyltrifluoro methanesulfonate
TFA	:	trifluoroacetic acid
THF	:	tetrahydrofuran
TMS	:	trimethylsilyl
TPP/PPh ₃	:	triphenylphosphine
<i>p</i> -TsCl	:	<i>para</i> -toluenesulfonyl chloride
<i>p</i> -TsOH	:	<i>para</i> -toluenesulfonic acid
Ts	:	tosyl
us	:	ultrasound
UV-Vis	:	ultraviolet-visible
[α]	:	optical rotation