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ABBREVIATIONS AND SYMBOLS

Ar	aryl
b.p.	boiling point
n-BuLi	*n*-butyllithium
c	concentration
calc.	calculated
d	doublet (spectral)
dd	double of doublets (spectral)
ddd	double of double doublets (spectral)
d.e.	diastereomeric excess
dq	double of quartets (spectral)
DMAP	4-(*N*,*N*'-dimethylamino)pyridine
DMF	*N*,*N*-dimethylformamide
e.e.	enantiomeric excess
EtOAc	ethyl acetate
J	coupling constant
hr (s)	hour (s)
HMPA	hexamethylphosphoramide or hexamethylphosphoric triamide
Hz	hertz
IR	infrared radiation

lit.	literature
LDA	lithium diisopropylamide
m	multiplet (spectral)
m-CPBA	*m*-chloroperbenzoic acid
min	minute (s)
ml	millilitre
m.p.	melting point
Me	methyl
MHz	megahertz
NMR	nuclear magnetic resonance
MOESY	nuclear overhauser enhancement spectroscopy
MW	molecular weight
ppm	parts per million (in NMR)
PLC	preparative layer chromatography
RT = rt	room temperature (°C)
s	singlet (spectral)
t	triplet (spectral)
T	temperature (°C)
THF	tetrahydrofuran
TLC	thin layer chromatography
TMEDA	*N*,*N*,*N*',*N*'-tetramethylethylene diamine
$[\alpha]$	specific optically rotation
ν	wave number (cm^{-1})
δ	chemical shift (ppm)

λ	wave number (cm^{-1})
μl	microlitre