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CHAPTER 2 EXPERIMENTAL

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ABBREVIATIONS AND SYMBOLS

Bn	benzyl
b.p.	boiling point
n-BuLi	*n*-butyllithium
°C	degrees celcius
calc	calculated
cat.	catalyst
conc	concentration
COSY	correlation spectroscopy
δ	chemical shift in parts per million downfield from tetramethylsilane
d	doublet (spectral)
d	density
dd	double of doublet (spectral)
ddd	double of double of doublet (spectral)
dt	double of triplet (spectral)
d.e.	diastereomeric excess
DCC	*N,N'*-dicyclohexylcarbodiimide
DEPT	distortionless enhancement by polarization transfer
DMAP	4-(*N,N*-dimethylamino)pyridine
ee.	enantiomeric excess
ESI-MS	electrospray ionization mass spectrometry
EtOAc	ethyl acetate
equiv	equivalence
FT-IR	fourier-transform infrared
g	gram
HMBC	heteronuclear multiple bond correlation
HMPA	hexamethylphospharamide
HMQC	heteronuclear multiple quantum correlation

Hz	hertz
h	hour (s)
IR	infrared
J	coupling constant
LAH	lithium aluminium hydride
LDA	lithium diisopropylamide
Me	methyl
MHz	megahertz
MW	molecular weight
m	multiplet (spectral)
min	minute (s)
mL	millilitre
mmol	milimole
mol	mole
m.p.	melting point
m/z	mass to charge ratio
NMR	nuclear magnetic resonance
NOE	nuclear overhauser effect
Ph	phenyl
PLC	preparative layer chromatography
ppm	parts per million (in NMR)
i-Pr	isopropyl
rt	room temperature (°C)
s	singlet (spectral)
THF	tetrahydrofuran
TMS	tetramethylsilane
TMEDA	tetramethylenediamine
t	triplet (spectral)
UV	ultraviolet
%	percent
[*a*]	specific optically rotation
ν	wave number (cm^{-1})