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ABBREVIATIONS AND SYMBOLS

Ac	acetyl
Ar	aromatic
Bn	benzyl
Boc	di-t-butyl dicarbonate
br	broad
Bu	butyl
Cbz	benzylformate
CD	cyclodextrin
cm ⁻¹	reciprocal centimeter (wave number)
d	doublet
DCC	N,N'-dicyclohexylcarbodiimide
dd	doublet of doublet
DIP-Cl	B-chlorodiisopinocampheylborane
DMAP	N,N'-dimethylaminopyridine
DMSO	dimethylsulfoxid

ee	enantiomeric excess
Et	ethyl
FT-IR	fourier transform infra-red specscopy
g	gram (s)
h	hour (s)
HRMS	high resolution mass spectroscopy
J	coupling constant
LAH	lithium aluminium hydride
Lit.	literature
m	multiplet
m-CPBA	meta-chloroperoxybenzoic acid
Me	methyl
MeCBS	(R)-2-methyl-CBS-oxazaborolidine
MEM	methoxyethoxymethyl
m.p.	melting point
min	minute (s)
mL	milliliter

xvii

xviii

mmol	millimol
МТРА	α -Methoxy- α -trifluoromethylphenylacetic acid
NBS	N-bromosuccinimide
NMR	nuclear magnetic resonance
Ph	Phenyl
ppm	parts per million
s	singlet
t	triplet
TBAB	tetra-N-butylammonium bromide
TBDMS	<i>t</i> -butyldimethylsilyl
THF	tetrahydrofuran
TLC	Thin layer chromatography
TMS	tetramethylsilane
Ts	tosyl
°C	degree Celcius
v	wave number (cm ⁻¹)

[α]_D

specific rotation



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