Jenniser Schomaker

General Abbreviations

		E	
Ac	acetyl	DIEA	= DIPEA
acac	acetylacetonate	DIOP	
AIBN	2,2'-azobisisobutyronitrile	Dioi	2,3-O-isopropylidene-2,3-dihydroxy-1,4-bis-
Ar	aryl	DIPEA	(diphenylphosphino)butane
		diphos	diisopropylethylamine
BBN	borabicyclo[3.3.1]nonane	DIPT	= dppe
BCME	bis(chloromethyl)ether	DMA	diisopropyl tartrate
BHT	butylated hydroxytoluene (2,6-di-t-butyl-p-	DMAD	dimethylacetamide
	cresol)		dimethyl acetylenedicarboxylate
BINAL-H	2,2'-dihydroxy-1,1'-binaphthyl-lithium	DMAP	4-(dimethylamino)pyridine
	aluminum hydride	DME	1,2-dimethoxyethane
BINAP	2,2'-bis(diphenylphosphino)-1,1'-binaphthyl	DMF	dimethylformamide
BINOL	1,1'-bi-2,2'-naphthol	dmg	dimethylglyoximato
bipy	2,2'-bipyridyl	DMPU	N,N'-dimethylpropyleneurea
BMS	borane-dimethyl sulfide	DMS	dimethyl sulfide
Bn	benzyl	DMSO	dimethyl sulfoxide
Boc		DMTSF	dimethyl(methylthio)sulfonium
BOM	t-butoxycarbonyl		tetrafluoroborate
	benzyloxymethyl	dppb	1,4-bis(diphenylphosphino)butane
bp Be	boiling point	dppe	1,2-bis(diphenylphosphino)ethane
Bs	brosyl (4-bromobenzenesulfonyl)	dppf	1,1'-bis(diphenylphosphino)ferrocene
BSA	N,O-bis(trimethylsilyl)acetamide	dppp	1,3-bis(diphenylphosphino)propane
Bu	n-butyl	DTBP	di-t-butyl peroxide
Bz	benzoyl		
G 4 3 7		EDA	ethyl diazoacetate
CAN	cerium(IV) ammonium nitrate	EDC	1-ethyl-3-(3-dimethylaminopropyl)-
Cbz	benzyloxycarbonyl		carbodiimide
CDI	N,N'-carbonyldiimidazole	EDCI	=EDC
CHIRAPHOS	2,3-bis(diphenylphosphino)butane	ee	enantiomeric excess
Chx	=Cy	EE	1-ethoxyethyl
cod	cyclooctadiene	Et	ethyl
cot	cyclooctatetraene	ETSA	ethyl trimethylsilylacetate
Cp	cyclopentadienyl	EWG	electron withdrawing group
CRA	complex reducing agent		erodion withdrawing group
CSA	10-camphorsulfonic acid	Fc	ferrocenyl
CSI	chlorosulfonyl isocyanate	Fmoc	9-fluorenylmethoxycarbonyl
Су	cyclohexyl	fp	flash point
		-P	nash politi
d	density	Hex	n-hexyl
DABCO	1,4-diazabicyclo[2.2.2]octane	HMDS	hexamethyldisilazane
DAST	N,N'-diethylaminosulfur trifluoride	HMPA	
dba	dibenzylideneacetone	HOBt	hexamethylphosphoric triamide
DBAD	di-t-butyl azodicarboxylate	HOBT	1-hydroxybenzotriazole
DBN	1,5-diazabicyclo[4.3.0]non-5-ene		= HOBt
DBU	1,8-diazabicyclo[5.4.0]undec-7-ene	HOSu	N-hydroxysuccinimide
DCC	N,N'-dicyclohexylcarbodiimide	· · · · · · · · · · · · · · · · · · ·	
DCME	dichloromethyl methyl ether	Im	imidazole (imidazolyl)
DDO	dimethyldioxirane	Ipc	isopinocampheyl
DDQ		IR	infrared
de	2,3-dichloro-5,6-dicyano-1,4-benzoquinone		
DEAD	diastereomeric excess	KHDMS	potassium hexamethyldisilazide
DEAD	diethyl azodicarboxylate		
DIBAL	diethyl tartrate	LAH	lithium aluminum hydride
DIDAL	diisobutylaluminum hydride	LD ₅₀	dose that is lethal to 50% of test subjects

LDA	lithium diisopropylamide	PMDTA	N, N, N', N'', N''-pentamethyldiethylene-
LDMAN	lithium 1-(dimethylamino)naphthalenide	21120	triamine
LHMDS	= LiHMDS	PPA	polyphosphoric acid
LICA	lithium isopropylcyclohexylamide	PPE	polyphosphate ester
		PPTS	pyridinium p-toluenesulfonate
LiHMDS	lithium hexamethyldisilazide		n-propyl
LiTMP	lithium 2,2,6,6-tetramethylpiperidide	Pr PTC	phase transfer catalyst/catalysis
LTMP	= LiTMP		p-toluenesulfonic acid
LTA	lead tetraacetate	PTSA	-
lut	lutidine	ру	pyridine
. m-CPBA	m-chloroperbenzoic acid	RAMP	(R)-1-amino-2-(methoxymethyl)pyrrolidine
MA	maleic anhydride	, rt	room temperature
MAD	methylaluminum bis(2,6-di-t-butyl-4-	salen	bis(salicylidene)ethylenediamine
	methylphenoxide)	SAMP	(S)-1-amino-2-(methoxymethyl)pyrrolidine
MAT	methylaluminum bis(2,4,6-tri-t-	SET	single electron transfer
	butylphenoxide)	Sia	siamyl (3-methyl-2-butyl)
Me	methyl	O.C.	
MEK	methyl ethyl ketone	TASF	tris(diethylamino)sulfonium
MEM	(2-methoxyethoxy)methyl		difluorotrimethylsilicate
MIC	methyl isocyanate	TBAB	tetrabutylammonium bromide
MMPP	magnesium monoperoxyphthalate	TBAF	tetrabutylammonium fluoride
MOM	methoxymethyl	TBAD	= DBAD
MoOPH	oxodiperoxomolybdenum(pyridine)-	TBAI	tetrabutylammonium iodide
	(hexamethylphosphoric triamide)	TBAP	tetrabutylammonium perruthenate
mp	melting point	TBDMS	t-butyldimethylsilyl
MPM	=PMB	TBDPS	t-butyldiphenylsilyl
Ms	mesyl (methanesulfonyl)	TBHP	t-butyl hydroperoxide
MS	mass spectrometry; molecular sieves	TBS	= TBDMS
MTEE	methyl t-butyl ether	TCNE	tetracyanoethylene
MTM	methylthiomethyl	TCNQ	7,7,8,8-tetracyanoquinodimethane
MVK	methyl vinyl ketone	TEA	triethylamine
111 1 11	* 1	TEBA	triethylbenzylammonium chloride
	Construction of the second	TEBAC	= TEBA
n	refractive index	TEMPO	2,2,6,6-tetramethylpiperidinoxyl
NaHDMS	sodium hexamethyldisilazide	TES	triethylsilyl
Naph	naphthyl	Tf	triflyl (trifluoromethanesulfonyl)
NBA	N-bromoacetamide	TFA	trifluoroacetic acid
nbd	norbornadiene (bicyclo[2.2.1]hepta-	TFAA	trifluoroacetic anhydride
	2,5-diene)	THF	tetrahydrofuran
NBS	N-bromosuccinimide	THP	tetrahydropyran; tetrahydropyranyl
NCS	N-chlorosuccinimide	Thx	thexyl (2,3-dimethyl-2-butyl)
NIS	N-iodosuccinimide		triisopropylsilyl
NMO	N-methylmorpholine N-oxide	TIPS	
NMP	N-methyl-2-pyrrolidinone	TMANO	trimethylamine N-oxide
NMR	nuclear magnetic resonance	TMEDA	N,N,N',N'-tetramethylethylenediamine
NORPHOS	bis(diphenylphosphino)bicyclo[2.2.1]-	TMG	1,1,3,3-tetramethylguanidine
	hept-5-ene	TMS	trimethylsilyl
Np	= Naph	Tol	p-tolyl
- #		TPAP	tetrapropylammonium perruthenate
PCC	pyridinium chlorochromate	TBHP	t-butyl hydroperoxide
PDC	pyridinium dichromate	TPP	tetraphenylporphyrin
	n-pentyl	Τŗ	trityl (triphenylmethyl)
Pent	E (2)	Ts	tosyl (p-toluenesulfonyl)
Ph	phenyl 1,10-phenanthroline	TTN	thallium(III) nitrate
phen		¥ 77 770	and budges associde someley
Phth	phthaloyl	UHP	urea-hydrogen peroxide complex
Piv	pivaloyl p methoxybenzyl	Z	= Cbz
PMB	p-methoxybenzyl	4	002