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ACRONYM &c	CHEMICAL NAME
(-)-Ipc2BCl	(-)-B-chlorodiisopinocampheylborane
(+)-Ipc2BCl	(+)-B-chlorodiisopinocampheylborane
(Bu ₃ Sn) ₂ O	bis(tri-n-butyltin) oxide
(CF ₃ SO ₂) ₂ O	trifluoromethanesulfonic anhydride
(iPr) ₂ NH	diisopropylamine
(Me ₂ CHMeCH) ₂ BH / Sia ₂ BH	disiamylborane
(PhCN) ₂ PdCl ₂	bis(benzonitrile)palladium (II) chloride
(PhSeO) ₂ O	benzeneseleninic anhydride
(R)-MeCBS	(R)-(-)-1-methyl-3,3-diphenyltetrahydropyrrolo[1,2-c][1,3,2]oxazaborole / (R)-2-methyl-CBS-oxazaborolidine
(S)-MeCBS	(S)-(-)-1-methyl-3,3-diphenyltetrahydropyrrolo[1,2-c][1,3,2]oxazaborole / (S)-2-methyl-CBS-
[(Bu) ₄ N] ₂ SO ₄	tetrabutylammonium sulphate
[Bu ₄ N]HSO ₄	tetrabutylammonium hydrogen sulfate
[Rh(cod)Cl] ₂	bis(1,5-cyclooctadiene)dirhodium(I) dichloride
2,4-DCBA	2,2-dichlorobenzoic acid
2,6-DMA	2,6-dimethylanisole
2-EHA	2-ethylhexanoic acid
2-EHANA	sodium 2-ethylhexanoate
2-OH-pyr	2-hydroxypyridine
2-PAMCl	2-pyridinealdoxime methochloride
2-PyrNTf ₂	N-(2-pyridyl)bis(trifluoromethanesulfonimide)
4-CPA	4-chlorophenoxyacetic acid
5-CIA	5-chloroisatoic anhydride
6-CP	6-chloropurine
7-ACA	7-aminocephalosporanic acid
7-ADCA	7-aminodeacetoxycephalosporanic acid
9-BBN / 9-BBN-H	9-borabicyclo[3.3.1]nonane
AA	anisylacetone
AAA	acetoacetanilide
AAAF	2-(N-acetoxyacetylaminofluorene
AAMX	acetoacet-m-xylidide / m-aceto-acetoxylidide
AAO	acetaldehyde oxime
AAOA	acetoacet-o-anisidide / o-aceto-acetanisidide
AAOC	acetoacet-o-chloroanilide / o-acetoacetochloranilide
AAOT	acetoacet-o-toluidide / o-acetoacetotoluidide
ABA	abscisic acid
ABL	alpha-acetyl-gamma-butyrolactone
ABTS	2,2'-azinobis(3-ethylbenzothiazoline-6-sulfonic acid
Ac	acetate
Ac	acetyl
Ac ₂ O	acetic anhydride
acac	acetylacetonate
AcCl	acetyl chloride
ACES	N-(2-acetamido)-2-aminoethane-sulfonic acid
Acm	acetamidomethyl
ACN	acetonitrile
AcOH	acetic acid
Ad	adamantyl
ADA	N-(2-acetamido)iminodiacetic acid [N-(carbamoylmethyl)-iminodiacetic acid]
ADD	1,1'-(azodicarbonyl)dipiperidine
ADDC	ammonium diethyldithiocarbamate
ADH	alcohol dehydrogenase (enzyme)
ADP	adenosine 5'-diphosphate
AHM	ammonium heptamolybdenate hydrate
AIBN	azobis(isobutyronitrile)
AIP	aluminium isopropoxide
Ala	alanine
AlCl ₃	aluminium chloride
Alloc	allyloxycarbonyl
Am	amyl
AMBA	3-amino-4-methoxybenzanilide
AMEO	3-aminopropyltriethoxysilane
AMP	adenosine 5'-monophosphate
AMPS	2-acrylamido-2-methylpropane-sulfonic acid
Anth	anthracene
AOT	sodium bis(ethylhexyl)sulfosuccinate
APAP	N-acetyl-p-aminophenol
APhos®	(4-(N,N-dimethylamino)phenyl)-di-tert-butylphosphine
APS	adenosine 5'-phosphosulfate
Ar	argon
Ar	aryl

Arg	arginine
ASC	p-acetylamino benzenesulfonyl chloride
Asn	asparagine
Asp	aspartic acid
Asu	aminosuberic acid
ATA	anthranilamide
ATC	ethyltrichlorosilane
ATEE	N-acetyl-L-tyrosine ethyl ester monohydrate
ATP	adenosine 5'-triphosphate
B(t-BuNH ₂)	borane tert-butylamine complex
BA	benzyladenine
Ba(OH)2.8H ₂ O	barium hydroxide octahydrate
BAA	N- α -benzoyl-L-argininamide hydrochloride monohydrate
BAEE	N- α -benzoyl-L-arginine ethyl ester
BAIB	bis-acetoxiodobenzene
BAL	2,3-dimercapto-1-propanol
BBBPY	4,4'-di-t-butyl-2-2'-bipyridine
BBP	benzyl butyl phthalate
BBr ₃	boron tribromide
BCA	N-benzylcyclopropylamine
BCB	bromocresol blue
BCG	bromocresol green
BCP	bromocresol purple
bda	benzylidene acetone
BDMAEE	bis[2-(N,N-dimethylamino)ethyl]ether
BDPB / dppb	1,4-bis(diphenylphosphino)butane
BES	N,N-bis(2-hydroxyethyl)-2-amino-ethanesulfonic acid
BF ₃	boron trifluoride
BF ₃ .Et ₂ O	boron trifluoride diethyl etherate
BGE	butyl glycidyl ether
BHA	3-tert-butyl-4-hydroxyanisole
BHT	butylated hydroxytoluene / 2,6-di-t-butyl-4-methylphenol
BINAL-H	lithium 2,2'-dihydroxy-1,1'-binaphthylethoxyaluminium hydride
BINAP	2,2'-bis(diphenylphosphino)-1,1'-binaphthyl (Noyori reagent)
bipy / bpy	2,2'-bipyridyl
Bis-Tris	2,2-bis(hydroxymethyl)-2,2',2''-nitrilotriethanol [bis(2-hydroxyethyl)aminotris(hydroxymethyl)methane]
Bmpc	2,4-dimethylthiophenoxycarbonyl
Bmpm	1,1-bis(4-methoxyphenyl)-1-pyrenylmethyl
BMS	borane-methyl sulfide complex / borane dimethyl sulfide
BN	benzonitrile
Bn	benzyl
BNPP	bis(p-nitrophenyl)phosphate
Bnz	benzyl
BOC	tert-butoxycarbonyl
BOC ₂ O	di-tert-butyl dicarbonate, BOC anhydride
BOC-ON	2-(tert-butoxycarbonyloxyimino)-2-phenylacetonitrile
BOC-OSU	N-(tert-butoxycarbonyloxy)succinimide
BOC-OTCP	tert-butyl 2,4,5-trichlorophenyl carbonate
BOM	benzyloxymethyl
BON	beta-hydroxynaphthoic acid
BOP	benzotriazole-1-yl-oxy-tris(dimethylamino)phosphonium hexafluorophosphate
BOPCl	bis(2-oxo-3-oxazolidinyl)phosphordiamidic chloride
BPB	bromocresol blue
BPC	n-butylpyridinium chloride
Bpoc	1-methyl-1-(4-biphenyl)ethoxycarbonyl
BPR	bromocresol red
Bs / BrC ₆ H ₄ SO ₂	brosylate
BSA	N,O-bis(trimethylsilyl)acetamide
BSC	N,O-bis(trimethylsilyl)carbamate
BSCI	benzenesulfonyl chloride
BSH	benzenesulfonyl hydrazide
BSTFA	N,O-bis(trimethylsilyl)trifluoroacetamide
BSU	bis(trimethylsilyl) urea
Bt	1-benzotriazolyl
BTACl	benzyltrimethylammonium chloride
BTAF	benzyltrimethylammonium fluoride
BTAH / Triton B	benzyltrimethylammonium hydroxide
BTAI	benzyltrimethylammonium iodide
BTEAC / TEBA	benzyltriethylammonium chloride
BTHF / BH ₃ .THF	borane.THF complex
BTI	iodosobenzene bis(trifluoroacetate) / [bis(trifluoroacetoxy)iodo]benzene
BTPP	t-butyliminotri(pyrrolidino)phosphorane
Bu	butyl (C ₄ H ₇)
Bum	tert-butoxymethyl
Butyphos	tributylphosphine oxide
Bz	benzoyl

BzCl	benzoyl chloride
Bzh	diphenylmethyl (benzhydryl)
BzNH ₂	benzylamine
BzOH	benzoic acid
C ₄ F ₉ SO ₂ / Nf	nonaflate
CAN	ceric ammonium nitrate
CBC	carbomethoxybenzenesulfonyl chloride
CBFBr	carboxybutyltriphenylphosphonium bromide
Cbm	carbamoyl
CBn / CBz / Z	benzyloxycarbonyl / carbobenzoxo
CBPh ₃ PBr	carboxybutyltriphenylphosphonium bromide
CBTPPBr	4-carboxybutylphosphonium bromide
CBz / CBn / Z	benzyloxycarbonyl / carbobenzoxo
CBzCl	benzyloxycarbonyl chloride / carbobenzoxo chloride
CD	cyclodextrin
CD	cytidine 5'-diphosphate
CDI	N,N'-carbonyldiimidazole
CDMT	2-chloro-4,6-dimethoxy-1,3,5-triazine
CE	cyanoethyl
Ce(III) chloride	cerium(III) chloride
CF ₃ S(O) ₂ OH	trichloromethylsulfonic acid
CH ₃ (Ph) ₃ PBr / MePh ₃ PBr	methyltriphenylphosphonium bromide
CH ₃ CN	acetonitrile
CHAPS	3-[(3-cholamidopropyl)dimethyl-ammonio]propanesulfonate
CHCl ₃	chloroform
CHP	cycloheptatriene
CMA	carbomethoxymaleic anhydride
CMIC	chloromethyl isopropyl carbonate
CMP	cytidine 5'-monophosphate
CNT	cyanotoluene
CoA	coenzyme A
COD	cyclooctadiene
COT	cyclooctatetraene
Cp	cyclopentadienyl
Cp*	pentamethylcyclopentadienyl
CPMe	cyclopentyl methyl ether
CPR	chlorophenol red
CSA	D-(+)-camphorsulfonic acid / camphorsulfonic acid
CSDPEN	(R,R,R)-N-camphorsulfonyldiphenylethylenediamine
CSI	chlorosulfonyl isocyanate
CTAB	cetyltrimethylammonium bromide
CTACl	cetyltrimethylammonium chloride
CTACN	cetyltrimethylammonium cyanide
CTAOH	cetyltrimethylammonium hydroxide
CTMP	1-[(2-chloro-4-methylphenyl)-4-methoxy-4-piperidinyl]
Cy	cyclohexane
Cy ₂ NMe	methyldicyclohexylamine
CYAD	cyanoacetic acid
Cys / CySH	cysteine
d.spirit	denatured spirit
DAA	diacetone acylamide
DAA	diacetone alcohol
DAB	diaminobenzidine (usually 3,3')
DAB	p-dimethylaminoazobenzene
DABCO	1,4-diazabicyclo[2.2.2]octane
DABS-Cl	4-(N,N-dimethylamino)-azobenzene-4'-sulfonyl chloride
DANSYL	5-dimethylaminophthalene-1-sulfonyl
DAP	diallyl phthalate
DAP	diammonim phosphate
DAST / Et ₂ NSF ₃	diethylaminosulfur trichloride
dba	dibenzylidenacetone, eg in Pd ₂ (dba) ₃
DBA	dibenz[a,h]anthracene
DBAD	dibenzyl azodicarboxylate
DBDMH / dibromantin	1,3-dibromo-5,5-dimethylhydantoin
DBE	1,2-dibromoethane
DBM	1,2-dibromomethane
DBN	1,5-diazabicyclo[4.3.0]non-5-ene
DBSA	dodecylbenzene sulfonic acid
DBTA	dibenzoyl tartaric acid
DBTA	di-tert-butylamine
DBU	1,8-diazabicyclo[5.4.0]undec-7-ene
DCA	1,9-dicyanoanthracene
DCB	dicyanobenzene
DCC	dicyclohexylcarbodiimide
DCE	1,2-dichloroethane
DCHMA	N,N-dicyclohexylmethylaniline

DCM	dichloromethane
DCPB	dichlorophenylborane
DDOPP	dimethyl 1-diazo-2-oxopropylphosphonate
DDQ	2,3-dichloro-5,6-dicyano-1,4-benzoquinone
DDT	1,1-bis(p-chlorophenyl)-2,2,2-trichloroethane
D-DTTA	di-p-toluoyltartaric acid
de	diastereomeric excess
DEA	diethanolamine
DEA	diethylamine
DEA	N,N-diethylaniline
DEAA	N,N-diethylacetoacetamide
DEAC	diethylaluminium chloride
DEAD / DEADCAT	diethyl azodicarboxylate
DEAE-cellulose	diethylaminoethyl cellulose
DEAH	diethylaluminium hydride
DEAI	diethylaluminium iodide
DEANB	N,N-diethylaniline borane
DEC	diethyl carbonate
DECP	diethylcyanophosphonate
DEG	diethyleneglycol
DEGEE	diethylene glycol monoethyl ether
DEGME	diethylene glycol monmethyl ether
DEM	diethoxymethane
DEPBT	3-(diethoxyphosphoryloxy)-1,2,3-benzotriazin-4(3H)-one
DESMP	diethyl p-toluenesulfonyloxymethylphosphonate
DET	diethyl tartrate
DHA	9.10-dihydroanthracene / dehydroacetic acid / dihydroxyacetone
DHAA	dehydroascorbic acid
DHBP	dihydroxybenzophenone (usually 4,4')
DHP	dihydropyran
DIAD	diisopropyl azodicarboxylate
DIBAC	diisobutylaluminium chloride
DIBAH / DIBAL / DIBAL-H	diisobutylaluminium hydride
dibromin	5,5-dibromobarbituric acid
DIC	(dimethylamino)isopropyl chloride hydrochloride
DIDP	diisodecyl phthalate
DIEA	diisopropylethylamine
Diglyme	diethylene glycol dimethyl ether
DiHPhe	2,5-dihydroxyphenylalanine
Dimsyl / MeS(O)CH2-	methylsulfinylmethide
DIOP	2,3-O-isopropylidene-2,3-dihydroxy-1,4-bis(diphenylphosphino)butane
Diox	dioxane
DIPA	diisopropylamine
DIPAD	diisopropyldiazodicarboxylate
DIPC	N,N'-diisopropylcarbodiimide
DIP-Cl	B-chlorodiisopinocampheylborane
DIPE	diisopropyl ether
DIPEA	diisopropylethylamine
DIPHOS / DPPE	ethylenebis(diphenylphosphine) / 1,2-bis(diphenylphosphino)ethane
DIPSO	3-[bis(2-hydroxyethyl)amino]-2-hydroxy-1-propanesulfonic acid
DIPT	diisopropyl tartrate
DISPA	diisopropylamine
DIW	deionised water
DMA	dimethylamine
DMA	N,N-dimethylaniline
DMA / DMAc	N,N-dimethylacetamide
DMAD	dimethyl acetylenedicarboxylate
DMAE	dimethylaminoethanol
DMAP	4-dimethylaminopyridine
DMBA	1,3-dimethylbarbituric acid
DMC	2-chloro-1,3-dimethylimidazolinium chloride
DMCD	trans-N,N'-dimethylcyclohexane-1,2-diamine
DMDO	dimethyldioxirane
DME	dimethoxyethane / 1,2-dimethoxyethane
DMED / DMEDA	N,N-dimethylethylenediamine
DMEN	N,N-dimethyl-1,2-ethanediamine
DMEOA	N,N-dimethylethanolamine
DMF	N,N-dimethylformamide
DMF-DMA	dimethylformamide dimethyl acetal
DMG	N,N-dimethylglycine
DMI	1,3-dimethyl-2-imidazolidinone
DMP	dimethoxypropane
DMPA	2,2-dimethoxy-2-phenylacetophenone
DMPE	1,2-bis(dimethylphosphino)ethane
DMPM	3,4-dimethoxybenzyl
DMPU	dimethylpropylene urea / N,N'-dimethyl-N,N'-propylene urea

DMS	dimethylsulfide
DMSO	dimethylsulfoxide
DMSO2	dimethyl sulfone
DMTMM	4-(4,6-dimethoxy-1,3,5-triazin-2-yl)-4-methylmorpholinium chloride
DMTP	1,3-dimethyl-3,4,5,6-tetrahydro-2(1H)pyrimidone
DMTSF	dimethyl(methylthio)sulfonium tetrafluoroborate
DNAP	4-(2,4-dinitrophenylazo)-9-phenanthrol
DNB	p,p'-dinitrobenzhydryl
DNP	2,4-dinitrophenyl
DNP	dinitrophenylhydrazine
DNPBA	3,5-dinitroperoxybenzoic acid
DNS	denatured alcohol, denatured spirit, methylated spirits
DPC	diphenylphosphoryl chloride
DPM	diphenylmethyl
DPMP	2-(diphenylmethanol)pyrrolidine
DPMS	diphenylmethyl silyl
DPPA	diphenylphosphorylazide
dppb / BDPB	1,4-bis(diphenylphosphino)butane
DPPE / DIPHOS	ethylenebis(diphenylphosphine) / 1,2-bis(diphenylphosphino)ethane
DPPf	1,1'-bis(diphenylphosphino)ferrocene
DPPP	1,3-bis(diphenylphosphino)propane
DPTTA	di-p-toluoyltartaric acid
DSC	disuccinimidyl carbonate
DTAD	di-tert-butyl azodicarboxylate
DTT	dithiothreitol
DTTA	D-(-)-tartaric acid
EAA	ethyl acetoacetate
ECC	ethyl chlorocarbonate
ECF	ethyl chloroformate
EDA	ethylenediamine
EDAC	1-ethyl-3-[3-(dimethylamino)propyl]carbodiimide hydrochloride
EDB	ethylene dibromide
EDC	N'-(ethylcarbonimidoyl)-N,N-dimethyl-1,3-propanediamine monohydrochloride
EDCI	1-(3-dimethylaminopropyl)-3-ethylcarbodiimide hydrochloride
EDIPA	N-ethyldiisopropylamine
EDTA / ETA	ethylenediaminetetraacetic acid
EDTN	1-ethoxy-4-(dichloro-s-triazinyl)naphthalene
EE	1-ethoxyethoxy
ee	enantiomeric excess
EEDQ	2-ethoxy-1-ethoxycarbonyl-1,2-dihydroquinoline
EG	ethylene glycol
EGDME	ethylene glycol dimethyl ether
EGME	ethylene glycol monomethyl ether
EHA	ethylhexanoic acid; 2-EHA
EHEMTB	3-ethyl-5-(2-hydroxyethyl)-4-methylthiazolium bromide
EMIMBr	1-ethyl-3-methylimidazolium bromide
EMIMCl	1-ethyl-3-methylimidazolium chloride
en	ethylene diamine
ESA	ethylsulfonic acid
Et	ethyl
Et2NSF3 / DAST	diethylaminosulfur trichloride
Et2O	diethyl ether
Et3Si / SiEt3	triethylsilane
ETA / EDTA	ethylenediaminetetraacetic acid
ETBE	ethyl tert-butyl ether
Etl	ethyl iodide
EtOAc	ethyl acetate
EtOAcP(O)(OEt)2	ethyl(diethoxyphosphoryl)acetate / triethylphosphonoacetate
EtOEt	ethyl ether
EtOH	ethanol
EtSH	ethanethiol
Eu(hfc)3	europium tris[3-(heptafluoropropylhydroxymethylene)-(+)-camphorate
FAA	formadine acetate
Fc	ferrocenyl
FeCl2	ferrous chloride
Fm	9-fluorenylmethyl
Fmoc	9-fluorenylmethoxycarbonyl
Fp	cyclopentadienyldicarbonylferrate
G-6-P	glucose-6-phosphate
GABA	gamma-butyric acid
Galvinoxyl	2,6-di-tert-butyl-4-oxo-2,5-cyclohexadien-1-ylidene)-p-tolyloxy, free radical
Gln	glutamine
Glu	glutamic acid
Gly	glycine
Glyme	1,2-dimethoxyethane
H2NCH2OH	ethanolamine

H2O	water
H2O2	hydrogen peroxide
HATU	O-(7-azabenzotriazol-1-yl)-1,1,3,3-tetramethyluronium hexafluorophosphate
HBTU	O-benzotriazole-N,N,N',N'-tetramethyluronium hexafluorophosphate
HCHO	formaldehyde
HCl	hydrogen chloride (g); hydrochloric acid (aq)
HCONH2	formamide
HCOOH	formic acid
HDPE	high density polyethylene
HEA	N-(2-hydroxyethyl)aziridine
HEDTA	2-hydroxyethylethylethylenediamine-triacetic acid
HEPES	4-(2-hydroxyethyl)-1-piperazine-ethane sulfonic acid
HEPSO	N-hydroxyethylpiperazine-N'-2-hydroxypropanesulfininc acid
Hex	hexane or hexyl
hex-OH / n-hex-OH	hexanol / n-hexanol
HFA	hexafluoroacetone
His	histidine
HMDS	1,1,1,3,3,3-hexamethyldisilazane
HMDSO	hexamethyldisiloxane
HMPA / HMPT	hexamethylphosphoramide / hexamethylphosphorictriamide
HOAc	acetic acid
HOAt	1-hydroxy-7-aza-benzotriazole
HOBt	1-hydroxybenzotriazole
HQ	hydroquinone
HTMP	4-hydroxy-2,2,6,6-tetramethyl-piperidine
HVA	homovanillic acid / 4-hydroxy-3-methoxyphenylacetic acid
Hyp	4-hydroxyproline
iAmOH	isoamyl alcohol
IBCF	isobutyl chloroformate
iBu	isobutyl
i-BuCF	isobutylchloroformate
IBX	2-iodoxybenzoic acid
Ile	isoleucine
Im	imidazolyl
IMe3Si	iodotrimethylsilane
imid	imidazole
IMS	industrial methylated spirits
inert	unnamed 'inert' gas
IPA	isopropyl alcohol
Ipc2BH	diisopinocampheylborane / bisisopinocampheylborane
IpcBH2	isopinocampheylborane
iPe	isopentyl nitrite
iPeNO2	isopentyl nitrite
iPr	isopropyl
isoGln	isoglutamine
Iva	isovaleryl
K t-butylate	potassium tert-butylate
K2CO3	potassium carbonate
KAPA	potassium 3-aminopropylamide
KBFBr	4-carboxybutylphosphonium bromide
KDA	potassium diisopropylamide
KH	potassium hydride
KH2PO4	potassium hydrogen phosphate
KHMDS	potassium hexamethyldisilazide
KO-tBu	potassium tert-butoxide
K-Selectride	potassium tri-sec-butylborohydride
KS-Selectride	potassium trisiamylborohydride
L-(-)-DBTA	dibenzoyl L-tartaric acid
LAH / LiAlH4	lithium aluminium hydride
LDA	lithium diisopropylamide
LDPE	low density polyethylene
L-DPTT	L-di-p-toluoyl tartrate
L-DTTA	L-p-toluoyltartaric acid
Leu	leucine
Lev	levulinoyl
LHMDS	lithium hexamethyldisilazane
Li(t-BuO)3AlH	lithium tri(tert-butoxy)aluminium hydride
Li2CuCl4	dilithium tetrachlorocuprate
LiAlH4	lithium aluminium hydride
LiBHEt3	lithium triethylborohydride
LICA	lithium N-isopropylcyclohexylamide
LiHMDS / LiN(SiMe3)2	lithium bis(trimethylsilyl)amide / lithium hexamethyldisilazide
LiN(SiMe3)2 / LiHMDS	lithium bis(trimethylsilyl)amide / lithium hexamethyldisilazide
LiOH	lithium hydroxide
LiTMP	lithium tetramethylpiperidide
L-Selectride	lithium tri-sec-butylborohydride

LS-Selectride	lithium trisiamylborohydride
LTA / Pb(OAc) ₄	lead(IV) tetraacetate
LTTA	L-(+)-tartaric acid
Lys	lysine
M	metal
m.EtOH	methylated ethanol
MA	maleic anhydride
Mal	maleyl
MAPS	tris[1-(2-methyl)aziridinyl]-phosphine sulfide
MBTS	mercaptobenzothiazole disulfide
MCA	monochloroacetic acid
MCB	chlorobenzene
MCH	methylcyclohexane
MCP	methylcyclopentane
mCPBA	m-chloroperoxybenzoic acid / 3-chloroperbenzoic acid
MCPCA	2-methyl-4-chlorophenoxyaceto-o-chloroanilide
MCPDEA	N,N-di-2-hydroxyethyl)-m-chloroaniline
MDA	1,8-p-menthanediamine
MDC	dichloromethane
MDEB	N-methyl-N-dodecylephedrinium bromide
Me	methyl
Me ₂ CO	acetone
Me ₃ OBF ₄	trimethyloxonium tetrafluoroborate (Meerwein salt)
Me ₃ SOI	trimethylsulfoxonium iodide
MEA	monoethanolamine
MeCN	acetonitrile
MEE	2-methoxy ethanol
MEG	monoethylene glycol
MEK	methyl ethyl ketone
MEM	2-methoxyethoxymethyl / beta-methoxyethoxymethyl
MEMCI	2-methoxyethoxymethyl chloride
MEMO	3-methacryloxypropyltrimethoxy-silane
MeOH	methanol
MeOz	p-methoxybenzyloxycarbonyl
MePPh ₃ Br / CH ₃ (Ph) ₃ PBr	methyltriphenylphosphonium bromide
Mes	mesityl / 2,4,6-trimethylphenyl
MeS(O)CH ₂ - / Dimsyl	methylsulfinylmethide
Met	methionine
Meth	2-mercaptoethanol
Me-THF	methyltetrahydrofuran
MIA	N-methylisatoic anhydride
MIBC	methyl isobutyl carbinol
MIBK	4-methyl-2-pentanone / methyl isobutyl ketone
MMA	methyl methacrylate
MMS	methyl methanesulfonate
MMTD	2-mercapto-5-methyl-1,3,4-thiadiazole
MOC	methoxycarbonyl
MOM	methoxymethyl
MOMCI	methoxymethyl chloride
MoOPH	MoO ₅ .Py.HMPA
MOPS	4-morpholinepropanesulfonic acid / 3-(N-morpholino)propanesulfonic acid
MOPSO	3-(N-morpholino)-2-hydroxy-propanesulfonic acid
MS	mesyl / methanesulfonyl
Ms ₂ O	mesyl anhydride / methanesulfonic anhydride
MSA	methanesulfonic acid
MsCl	methanesulfonyl chloride
MSH	2,4,6-trimethylbenzenesulfonyl hydrazide
MSMA	monosodium methanearsonate
MSO	p-cresyl methyl ether
MTB	magnesium tert-butoxide
MTBE	tert-butyl methyl ether
MTHP	4-methoxytetrahydropyranyl
MTM	methylthiomethyl
MTP	4-(methylthio)phenol
MTPA	alpha-methoxy-alpha-trifluoromethylphenyl acetic acid
MVK	methyl vinyl ketone
N ₂	nitrogen
Na ₂ CO ₃	sodium carbonate
Na ₂ S ₂ O ₄	sodium dithionite
Na ₂ S ₂ O ₅	sodium metabisulphite
Na ₃ PO ₄	sodium phosphate
NaAlH ₂ (OEtOMe) ₂ / REDAL / Red-Al	sodium bis(2-methoxyethoxy)aluminium hydride (Vitride)
NaBH(OAc) ₃	sodium triacetoxymethylborohydride
NaBH ₃ CN	sodium cyanoborohydride
NaBH ₄	sodium borohydride
NaH	sodium hydride

NaHCO ₃	sodium bicarbonate
NaHMDS	sodium bis(trimethylsilyl)amide / sodium hexamethyldisilazane
NaHSO ₃	sodium bisulfate
NaI	sodium iodide
NaIO ₄	sodium periodate
NaLS	sodium lauryl sulfate
NaNO ₂	sodium nitrite
NaNO ₃	sodium nitrate
NaOAc	sodium acetate
NaOEt	sodium ethoxide
NaOH	sodium hydroxide
NaOMe	sodium methoxide
NaOt-Bu / NaOBt	sodium tert-butoxide
NaPerCO ₃	sodium percarbonate
NBA	N-bromoacetamide
NBDCl	4-chloro-7-nitro-2,1,3-benzoxadiazole
NBS	N-bromosuccinimide
nBu	n-butyl (C ₄ H ₉ - straight chain)
n-BuLi	n-butyllithium
NCA	N-chloroacetamide
NCS	N-chlorosuccinimide
NDM	1-dodecanethiol
NEM	N-ethylmaleimide
NEP	N-ethyl-2-pyrrolidinone
N-Etpip	N-ethylpiperidine
Nf / C ₄ F ₉ SO ₂	nonaflate
NFSI	N-fluorobenzenesulfonimide
NH[CH(CH ₃) ₂] ₂	diisopropylamine
NH ₃	ammonia
NH ₄ HCO ₂ / HCO ₂ NH ₄	ammonium formate
NHBT	N-hydroxybenzotriazole
n-hep	n-heptane
n-hex	n-hexane
NHS	N-hydroxysuccinimide
NIP	4-hydroxy-5-nitro-3-iodophenyl-acetic acid
NIS	N-iodosuccinimide
n-Leu	norleucine
NMA	N-methylacrylamide
NMDA	N-methyl-D-aspartate
NMF	N-methylformamide
NMI	N-methylimidazole
NMM	N-methylmorpholine
NMO	N-methylmorpholine N-oxide
NMP	N-methyl-2-pyrrolidinone
NMSO	4-methyl-2-nitroanisole
NPE	nitrophenylethyl (protecting group)
Ns	p-nitrobenzenesulfonyl
NTA	nitrilotriacetic acid
Nva	norvaline
OCAD	o-chlorobenzaldehyde
OCBA	o-chlorobenzoic acid
OCBC	o-chlorobenzyl chloride
OCBN	o-chlorobenzyl cyanide
ODCB	1,2-dichlorobenzene
OPD / OPDA	o-phenylenediamine
Orn	Ornithine
OsO ₄	osmium tetroxide
P(4-NO ₂ Ph) ₂	bis(p-nitrophenyl)phosphate
P(o-tol) ₃	tris(o-tolyl)phosphine
P-(oTolyl) ₃	tritolyl phosphate
PAA	peracetic acid
PABA	p-aminobenzoic acid
PAM	pyridine-2-aldoxime methiodide
PAN	1-(2-pyridylazo)-2-naphthol
PAN	phthalic anhydride
PAP	O,O-dimethyl S-alpha-(ethoxy-carbonyl)benzyl phosphorothiololate
Pb(OAc) ₄ / LTA	lead(IV) tetraacetate
PBB	polybrominated biphenyls
PBP	pyridinium bromide perbromide
PCB	parachlorobenzoyl
PCB	polychlorinated biphenyls
PCC	pyridinium chlorochromate
PCP	pentachlorophenol
PCy ₃	tricyclohexylphosphine
Pd(OAc) ₂	palladium II acetate
Pd(OH) ₂ /C	palladium hydroxide on carbon

Pd(PPh ₃) ₄	tetrakis(triphenylphosphine)palladium(0)
Pd/C	palladium on carbon
Pd ₂ (dba) ₃	tris(dibenzylideneacetone)dipalladium(0)
PDC / PdCl ₂ (PPh ₃) ₂	pyridinium dichromate
PdCl ₂ (PPh ₃) ₂	bis(triphenylphosphine)palladium (II) chloride
PdCl ₂ (PPh ₃) ₂ / PDC	pyridinium dichromate
PEMB	petroleum ether
PEMB	5-ethyl-2-methylpyridine borane complex
PFA / pHCHO	paraformaldehyde
PFB	1,1,1,3,3-pentafluorobutane
PG	protective group / prostaglandin
PGME	propylene glycol monomethyl ether / 1-methoxy-2-propanol
Ph	phenyl
PhB(OH) ₂	phenylboronic acid
Phe	phenylalanine
phen	1,10-phenanthroline
PhH	benzene
PhSiH ₃	phenylsilane
Pht	phthalyl
PhthN	phthalimido
pin ₂ B ₂	bis(pinacolato)diboron
Pip	piperidine
Pipa	piperazine
PIPES	1,4-piperazinebis(ethanesulfonic acid)
PipOAc	piperidine acetate
Piv	pivaloyl
PivBr	pivaloyl bromide
PivCl	pivaloyl chloride
PivOH	pivalic acid
PLP	pyridoxal phosphate
PMA	phenyl mercuric acetate
PMA	phorbol 12-myristate 13-acetate
PMB	p-methoxybenzyl (protecting group)
PMBM	p-methoxybenzyloxymethyl (protecting group)
PMDTA	N,N,N',N'',N''-pentamethyldiethylenetriamine
PMHS	polymethylhydrosiloxane
PMP	paramethoxyphenyl
PNB	p-nitrobenzoyl / p-nitrobenzoate
PnSH	pentylthiol
PNZ	p-nitrobenzyloxycarbonyl
POCl ₃	phosphoryl chloride
POM	pivaloyloxymethyl
POPOP	1,4-bis(5-phenyloxazol-2-yl)-benzene
PPA	polyphosphoric acid
PPACA / T3P	2,4,6-tripropyl-1,3,5,2,4,6-trioxatriphosphorinane-2,4,6-trioxide
PPB	p-phenylbenzoyl
PPBBr	p-phenylbenzoyl bromide
PPh ₃ / Ph ₃ P	triphenyl phosphine
PPTS	pyridinium p-toluenesulfonate
Pr	propyl
Pro	proline
PTA	1,3,5-triaza-7-phosphaadamantane
PTAD	N-phenyl-1,2,4-triazolinedione
PTFE	polytetrafluoroethylene
PtO ₂	platinum oxide
pTSA	p-toluenesulfonic acid
pTSCI	paratoluenesulfonyl chloride
pTSH	p-toluenesulfonylhydrazide
Pv	pivaloyl
Py / Pyr	pyridine
PyBOP	(benzotriazol-1-yloxy)tripyrrolidinophosphonium hexafluorophosphate
PyBrOP	bromotripyrrolidinophosphonium hexafluorophosphate
pyr.HBr ₃	pyridinium perbromide
Pyro	pyrrolidine
Qu	8-quinoliny
Raney Ni	Raney nickel
REDAL / Red-Al / NaAlH ₂ (OEtOMe) ₂	sodium bis(2-methoxyethoxy)aluminium hydride (Vitride)
SAA	succinic anhydride
sBu	sec-butyl
SEM	2-trimethylsilylethoxymethoxy
Ser	serine
SES / SO ₂ CH ₂ CH ₂ SiMe ₃	trimethylsilylethylsulfonyl
Sia ₂ BH / (Me ₂ CHMeCH) ₂ BH	disiamylborane
SIBX	2-iodoxybenzoic acid with benzoic and isophthallic acids
SiEt ₃ / Et ₃ Si	triethylsilane
SMB	simulated moving bed (chromatography)

SO ₂ CH ₂ CH ₂ SiMe ₃ / SES	trimethylsilylethylsulfonyl
SO ₃ .Pyr complex	sulphur trioxide.pyridine complex
S-Selectride	sodium tri-sec-butylborohydride
Sta	statin
STAB	sodium triacetoxymborohydride
Su	succinimido
Suc	3-carboxypropanoyl
T3P	propylphosphonic acid anhydride
T3P / PPACA	2,4,6-tripropyl-1,3,5,2,4,6-trioxatriphosphorinane-2,4,6-trioxide / 1-propanephosphonic anhydride
TASF	tris(dimethylamino)sulfonium difluorotrimethylsilicate
TBAB / TBABr	tetrabutylammonium bromide
TBAC	tetrabutylacetyl chloride
TBACl	tetrabutylammonium chloride
TBAF	tetrabutylammonium fluoride
TBAHS	tetrabutylammonium hydrogensulfate
TBAI	tetrabutylammonium iodide
TBAOAC	tetrabutylammonium acetate
t-BBDAM	t-butoxybis(dimethylamino)methane
TBD	1,5,7-triazabicyclo[4.4.0]dec-5-ene
t-BDEA	tert-butyldiethanolamine
TBDMS / TBS	tert-butyldimethylsilyl
TBDMSCl	tert-butyldimethylsilyl chloride
TBDMSTr / TBSTr	tert-butyldiphenylsilyl triflate
TBDPS	tert-butyldiphenylsilyl
TBDPSCl	tert-butyldiphenylsilyl chloride
TBHP	tert-butylhydroperoxide
TBME	tert-butylmethyl ether
t-BOC	tert-butoxycarbonyl
TBS / TBDMS	tert-butyldimethylsilyl
TBSOTf	tert-butyldimethylsilyl trifluoromethanesulfonate
TBTU	2-(1H-benzotriazole-1-yl)-1,1,3,3-tetramethyluronium tetrafluoroborate
tBu	tert-butyl
t-Bu ₄ NI	tetrabutylammonium iodide
t-BuLi	t-butyllithium
t-BuOH	tert-butanol
TBUP	tri-n-butylphosphine
TCA	trichloroacetic acid
TCB	trichlorobenzene (normally 1,3,5)
TCBC	trichlorobenzyl chloride
TCE	2,2,-trichloroethyl
TCICA	trichloroisocyanuric acid
TCNE	tetracyanoethylene
TCNQ	7,7,8,8-tetracyanoquinodimethane
TCP	trichlorophenol (usually 2,4,5 or 2,4,6)
tDBAPd	tris(dibenzylideneacetone)dipalladium(0)
t-DDM	tert-dodecylmercaptan
TDEP	tert-butyltris(diethylamino)phosphine
TEA	triethylamine / triethylaluminium / triethanolamine
TEBA / BTEAC / TEAC	benzyltriethylammonium chloride; triethylbenzylammonium chloride
TEEDA	N,N,N',N'-tetraethylethylenediamine
TEMPC	triethyl-3-methyl-4-phosphonocrotonate
TEMPO	2,2,6,6-tetramethylpiperidinoxy free radical
TEOC	2-(trimethylsilyl)ethoxycarbonyl
TEOF	triethylorthoformate
TEOH	triethanolamine
TES	triethylsilyl
TESCl	triethylsilylchloride
TESOTf	triethylsilyl trifluoromethanesulfonate
Tf	triflate / trifluoromethanesulfonate
Tf ₂ O	triflate anhydride / trifluoromethanesulfonic anhydride
TFA	trifluoroacetic acid
TFAA	trifluoroacetic anhydride
TFAP	trifluoroacetophenone
TFE	2,2,2-trifluoroethanol
TfOH	triflic acid / trifluoromethanesulfonic acid
TFT	alpha,alpha,alpha-trifluorotoluene
TGA	thioglycolic acid
thexyl	2,3-dimethylbutyl
thexyl alcohol	2,3-dimethyl-2-butanol
THF	tetrahydrofuran / tetrahydrofuran
THFA	tetrahydrofurfuryl alcohol
THP	tetrahydropyran / tetrahydropyranyl
Thr	threonine
TIDPS	1,3-dichloro-1,1,3,3-tetraisopropylsiloxane
TIPS	triisopropylsilyl
TIPS / TTIP	titanium isopropoxide

TMA	trimethylamine
TMACl	tetramethylammonium chloride
TMAH	tetramethylammonium hydroxide
TMAI	trimethylammonium iodide
TMAOH	tetramethylammonium hydroxide
TMBS	trimethylbromosilane
TMDAM	N,N,N',N'-tetramethyldiaminomethane
TMEDA	N,N,N',N'-tetramethylethylenediamine
TMG	tetramethylguanidine
TMoA	trimethylorthoacetate
TMOF	trimethylorthoformate
TMS	trimethylsilyl / trimethylsilane
TMSBr	trimethylsilylbromide
TMSCl	trimethylsilyl chloride
TMSCN	trimethylsilyl cyanide
TMSI	trimethylsilyl iodide
TMSMeLi	trimethylsilylmethyl lithium / (trimethylsilyl)methyl lithium
TMSOTf	trimethylsilyl trifluoromethanesulfonate
TMU	1,1,3,3-tetramethylurea
Tol	toluene / p-tolyl
TosMIC	p-toluenesulfonylmethyl isocyanide
TOTP	tri-o-tolylphosphine
TPA	triphenylamine
TPAP	tetrapropylammonium perruthenate / tetra-n-propylammonium perruthenate
TPP	meso-tetraphenylporphyrin
TPPB	tetraphenylphosphonium bromide
TPS	triphenylsilyl
TPS	triphenylsulfonium chloride
TPSCI / TPS	2,4,6-triisopropylbenzenesulfonyl chloride
TPSH	2,4,6-triisopropylbenzenesulfonohydrazide
Tr	trityl
Tr2O	trifluoromethanesulfonic anhydride
TrCl	trityl chloride
Triglyme	triethylene glycol dimethyl ether
Tris	tris(hydroxymethyl)aminomethane
Triton B	benzyltrimethylammonium hydroxide
Trityl	triphenylmethyl
TRIZMA	trometamol
Troc	trichloroethyloxycarbonyl / trichloroethoxycarbonyl
Trp	tryptophan
Ts	tosyl / p-toluenesulfonyl
TsCl	tosyl chloride
TSP-DD	trisodium phosphate dodecahydrate
TTBP	tri-tert-butylphosphonium tetrafluoroborate
TTFA	thallium (III) trifluoroacetate
TTIP / TIPS	titanium tetraisopropoxide
TTN	thallium trinitrate
tTPP-Pd	tetrakis(triphenylphosphine)palladium
Tyr	tyrosine
Val	valine
VAZO 52	2,2'-azobis(2,4-dimethylpentanenitrile)
WSC	water soluble carbodiimide
Xy	xylene
Z / CBz / CBn	benzyloxycarbonyl / carbobenzoxy
Z(Br)	4-bromobenzyloxycarbonyl
Z(NO2)	4-nitrobenzyloxycarbonyl
Z(OMe)	4-methoxybenzyloxycarbonyl
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