

略語表

Descriptors		
<i>o</i> -	ortho	オルト位
<i>m</i> -	meta	メタ位
<i>p</i> -	para	パラ位
<i>n</i> -	normal	ノルマル
<i>prim</i> -	primary	第1級
<i>sec</i> -	secondary	第2級
<i>tert</i> -	tertiary	第3級
α -	alpha	アルファ位
β -	beta	ベータ位
γ -	gamma	ガンマ位
δ -	delta	デルタ位
ϵ -	epsilon	イプシロン位
η -	eta	イータ位
μ -	mu	ミュー位
τ -	tau(tele)	タウ(テレ)位
ω -	omega	オメガ位
<i>B</i> -		ホウ素位
<i>N</i> -		窒素位
<i>O</i> -		酸素位
<i>P</i> -		リン位
<i>S</i> -		硫黄位
<i>cis</i> -		シス位
<i>trans</i> -		トランス位
(<i>Z</i>)-	Z (zusammen)	配置
(<i>E</i>)-	E (entgegen)	配置
<i>threo</i> -		トレオ体
<i>erythro</i> -		エリト体
<i>D</i> -		D系列
<i>L</i> -		L系列
DL-		ラセミ型
<i>d</i> - or (+)-		右旋性
<i>l</i> - or (-)-		左旋性
<i>dl</i> - or (\pm)-		ラセミ型
(<i>R</i>)-		R (rectus) 配置
(<i>S</i>)-		S (sinister) 配置
<i>meso</i> -		メソ型
<i>syn</i> -		シン型
<i>anti</i> -		アンチ型
<i>asym</i> -	asymmetric	非対称型
<i>s</i> - or <i>sym</i> -	symmetric	対称型
<i>active</i> -		活性
<i>leuco</i> -		ロイコ

Products / Ligands	
acac	Acetylacetone
AIBN	2,2'-Azobis(isobutyronitrile)
BINAP	2,2'-Bis(diphenylphosphino)-1,1'-binaphthyl
BINOL	Binaphthol
BSA	<i>N,O</i> -Bis(trimethylsilyl)acetamide
CD	Cyclodextrin
CSA	Camphorsulfonic Acid
DABCO	1,4-Diazabicyclo[2.2.2]octane
DAST	(Diethylamino)sulfur Trifluoride
DBU	1,8-Diazabicyclo[5.4.0]-7-undecene
DCC	<i>N,N'</i> -Dicyclohexylcarbodiimide
DEAD	Diethyl Azodicarboxylate
DHP	3,4-Dihydro-2 <i>H</i> -pyran
DMA	<i>N,N</i> -Dimethylacetamide
DMAP	4-Dimethylaminopyridine
DMF	<i>N,N</i> -Dimethylformamide
dmit	4,5-Dimercapto-1,3-dithiole-2-thione
DMSO	Dimethyl Sulfoxide
DOXYL	4,4-Dimethyloxazolidine-1-oxyl
dppf	1,1'-Bis(diphenylphosphino)ferrocene
DVB	Divinylbenzene
EDC	3-(3-Dimethylaminopropyl)-1-ethylcarbodiimide
EDTA	Ethylenediaminetetraacetic Acid
Fc	Ferrocene
HMDS	1,1,1,3,3,3-Hexamethyldisilazane
HMPA	Hexamethylphosphoric Triamide
HMPT	Hexamethylphosphorous Triamide
HOAt	1-Hydroxy-7-azabenzotriazole
HOBt	1-Hydroxybenzotriazole
MCPBA	<i>m</i> -Chloroperoxybenzoic Acid
MEK	Methyl Ethyl Ketone
NBS	<i>N</i> -Bromosuccinimide
NCS	<i>N</i> -Chlorosuccinimide
NIS	<i>N</i> -Iodosuccinimide
NMO	4-Methylmorpholine <i>N</i> -Oxide
Pc	Phthalocyanine
PCC	Pyridinium Chlorochromate
PDC	Pyridinium Dichromate
PEG	Polyethylene Glycol
PG	Prostaglandin
PPTS	Pyridinium <i>p</i> -Toluenesulfonate
SDS	Sodium Dodecyl Sulfate
TBAF	Tetrabutylammonium Fluoride
TCNQ	7,7,8,8-Tetracyanoquinodimethane
TEMPO	2,2,6,6-Tetramethylpiperidine 1-Oxyl
TFA	Trifluoroacetic Acid
THF	Tetrahydrofuran
THP	Tetrahydropyran
TMTSF	Tetramethyltetraselenafuvalene
TNBS	2,4,6-Trinitrobenzenesulfonic Acid
TPD	<i>N,N'</i> -Diphenyl- <i>N,N'</i> -di(<i>m</i> -tolyl)benzidine
TTF	Tetrathiafulvalene

Protecting Groups / Functional Groups	
Ac	Acetyl-
Alloc	Allyloxycarbonyl-
Bn	Benzyl-
Boc	<i>tert</i> -Butoxycarbonyl-
Bz	Benzoyl-
Cbz	Carbobenzyloxy- (=Benzyloxycarbonyl-)
Dnp	2,4-Dinitrophenyl-
Fmoc	(9 <i>H</i> -Fluoren-9-ylmethoxy)carbonyl-
MEM	(2-Methoxyethoxy)methyl-
Mes	2,4,6-Trimethylphenyl- (=Mesityl-)
MOM	Methoxymethyl-
Ms	Methanesulfonyl-
Nps	2-Nitrophenylsulfonyl-
Ns	Nitrobenzenesulfonyl-
PMB	<i>p</i> -Methoxybenzyl-
SEM	2-(Trimethylsilyl)ethoxymethyl-
TBDMS	<i>tert</i> -Butyldimethylsilyl- (=TBS-)
TES	Triethylsilyl-
Tf	Trifluoromethanesulfonyl-
TIPS	Triisopropylsilyl-
TMS	Trimethylsilyl-
Tr	Triphenylmethyl- (=Trityl-)
Ts	<i>p</i> -Toluenesulfonyl- (=Tosyl-)
Z	=Cbz-

Stabilizers	
BHT	3,5-Di- <i>tert</i> -butyl-4-hydroxytoluene
HQ	Hydroquinone
MEHQ	Hydroquinone Monomethyl Ether (=4-Methoxyphenol)
ONP	<i>o</i> -Nitrophenol
TBC	4- <i>tert</i> -Butylcatechol
TBBP	3,3',5,5'-Tetra- <i>tert</i> -butyl-4,4'-dihydroxybiphenyl

Nucleic Acids		
Symbol	Meaning	Designation
G	G	Guanine
A	A	Adenine
T	T	Thymine
U	U	Uracil
C	C	Cytosine
R	G or A	puRine
Y	T or C	pYrimidine
M	A or C	aMino
K	G or T	Keto
S	G or C	Strong interaction (3 H bonds)
W	A or T	Weak interaction (2 H bonds)
H	A or C or T	not-G, H follows G in the alphabet
B	G or T or C	not-A, B follows A
V	G or C or A	not-T (not-U), V follows U
D	G or A or T	not-C, D follows C
N	G or A or T or C	aNy

Amino Acids			
One-letter Symbol	Three-letter Symbol	Name	Average Mass(residue)
A	Ala	Alanine	71.08
C	Cys	Cysteine	103.14
D	Asp	Aspartic Acid	115.09
E	Glu	Glutamic Acid	129.11
F	Phe	Phenylalanine	147.17
G	Gly	Glycine	57.05
H	His	Histidine	137.14
I	Ile	Isoleucine	113.16
K	Lys	Lysine	128.17
L	Leu	Leucine	113.16
M	Met	Methionine	131.19
N	Asn	Asparagine	114.10
P	Pro	Proline	97.11
Q	Gln	Glutamine	128.13
R	Arg	Arginine	156.19
S	Ser	Serine	87.08
T	Thr	Threonine	101.11
V	Val	Valine	99.13
W	Trp	Tryptophan	186.21
Y	Tyr	Tyrosine	163.18

Three-letter Symbol	Name
Abu	2-Aminobutyric Acid
Aib	2-Aminoisobutyric Acid
Asu	2-Aminosuberic Acid
Cit	Citrulline
Cha	β -Cyclohexylalanine
Hci	Homocitrulline
Hyp	Hydroxyproline

Three-letter Symbol	Name
Nle	Norleucine
Nva	Norvaline
Orn	Ornithine
Pen	Penicillamine
Phg	Phenylglycine
Sar	Sarcosine
Sta	Statine

Saccharides			
Class	Symbol	Name	
Aldose	Pentose	Ara	Arabinose
		Lyx	Lyxose
		Rib	Ribose
		Xyl	Xylose
Hexose		All	Allose
		Alt	Altrose
		Gal	Galactose
		Glc	Glucose
		Gul	Gulose
		Ido	Idose
		Man	Mannose
		Tal	Talose
Deoxymonosaccharide		Fuc	Fucose
		Rha	Rhamnose
		Qui	Quinovose
		Abe	Abequose
Aminomonosaccharide		GalN	Galactosamine
		GlcN	Glucosamine
		ManN	Mannosamine
		GalNAc	<i>N</i> -Acetylgalactosamine
		GlcNAc	<i>N</i> -Acetylglucosamine
		ManNAc	<i>N</i> -Acetylmannosamine
		Neu	Neuraminic Acid
		Neu5Ac	<i>N</i> -Acetylneuraminic acid
Uronic Acid		Neu5Gc	<i>N</i> -Glycolylneuraminic acid
		GlcA	Glucuronic acid
		GalA	Galacturonic acid
		ManA	Mannuronic acid