

General Index

For individual organic chemicals, listed alphabetically, see Chapter 4, beginning on Page 80; or inorganic and metal-organic chemicals see Chapter 5, beginning on Page 389; and for biochemicals and related products see Chapter 6, beginning on Page 500. It is much faster to use the CAS Registry Numbers Index on p 585 for locating specific compounds irrespective of which chapter they are in.

<u>Index terms</u>	<u>Links</u>
A	
Abbreviations	30 80 389 505
Abderhalden pistol	25
ACES, <i>N</i> -(2-acetamido)-2 aminoethanesulfonic acid	82
Acetamido TEMPO, 4-acetamido-2,2,6,6-tetramethylpiperidine-1-oxyl	83
ADA, <i>N</i> -(2-acetamido)-iminodiacetic acid	82
ADP, adenosine-5'-diphosphate	508
Adrenor	553
Adsorbents, graded and solvents	40
Affinity chromatography	25 501
AIBN, α,α' -azobis(isobutyronitrile)	117
AICAR HCl, 4-Aminoimidazole-5-carboxamide HCl	106
Alkaline base bath	3
<i>n</i> -Alkyltrimethylammonium bromides	99
<i>n</i> -Alkylammonium chlorides	99
Alumina, Preparation	19
Standardization	19
α -Amino acids	511
3'-AMP, Adenosine-3'-monophosphoric acid	508
5'-AMP, Adenosine-5'-monophosphoric acid	509
Anhydron	5 438
Anion exchange resin	21 22 102 513
ANTU, 1-naphthyl thiourea	307
Apiezon L, M and T	11
Aqua regia	396
Arterenol	553
Aspirin, acetylsalicylic acid	92
ATP, Adenosine-5'-triphosphate	509

Index terms**Links****B**

BAL, 1,2-dimercapto-3-propanol	209
BAO, 2,5-bis-(4-aminophenyl)-1,3,4-oxadiazole	133
BBOD, 2,5-bis(4-biphenyl)-1,3,4-oxadiazole	516
9BBN, 9-Borabicyclo-[3.3.1]nonane	403
Benzene, care in use of	80 389
purification	505
	119
BES, <i>N,N</i> -bis-(2-hydroxyethyl)-2-aminoethanesulfonic acid	134
BH ₄ HCl, 6 <i>R</i> -tetrahydro- <i>erythro</i> -biopterin HCl	569
BHT, 2,6-di- <i>tert</i> -butyl- <i>p</i> -cresol, butylated-hydroxytoluene	194
HBTU, <i>O</i> -Benzotriazol-1-yl- <i>N,N,N',N'</i> -tetramethyl-uronium hexafluoro-phosphate	124
BICINE, <i>N,N</i> -bis-(2-hydroxyethyl)-glycine	208
BINAP, 2,2'-bis-(diphenyl-phosphino)-1,1'-binaphthyl	401
BIS-TRIS, bis-(2-hydroxyethyl)amino-tris-(hydroxymethyl)-methane	134
Boiling point(s), effect of pressure	32 33
	34
of useful gases	44
nomogram	34
BSA, <i>N,O</i> -bis-(trimethylsilyl)-acetamide	403
BMS, bis(2-mercaptoethyl)sulfone	516
Büchner funnel	14
Buffers, aqueous	31

C

Cadion, [1-(4-nitrophenyl)-3-(4-phenylazophenyl)-triazene]	406
Calcein, Fluorescein Complexon	406
Calcium hydride, in purification	55
Carbon Black	156
Catapres, Clonidine hydrochloride	521
Cation exchange resins	157 519
Cbz-Cl, benzyloxycarbonyl chloride	130
Celite	14
Cellulose, preparation	21
Centrifugation	15 500
Charcoal, preparation	20
purification	159
Chelex	100 159

Index terms**Links**

Chemical hazards,	
in purification	4
with perchlorates	5
with perchloric acid	5
with peroxides	5
with heavy-metal-containing-explosives	5
with strong acids	5
with anhydrides	5
with reactive halides	5
with solvents	5
with salts	6
Chemokines	520
Chirazymes	520
Chloramine-T, <i>N</i> -chloro- <i>p</i> -toluenesulfonamide sodium salt	410
Chloranil test	76
Chloroplatinic acid	427
CHIRAPHOS, 2,3-bis-(diphenylphosphino)-butane	401
Chromatography,	17
adsorption	18
affinity	25 501
biospecific	25
charge transfer adsorption	25
column	19
covalent	25
flash	21
gas	17
GC-MS	17
hydrophobic	25
ion exchange	21
LC-MS	25
liquid	18
mass spectrometry	17
metal chelate adsorption	25
paired-ion	21
paper	19
spot detectn in TLC	39
stationary phases for GLC	39
thin layer (TLC)	18
vapour phase	17
Chromatotron	19

Index terms**Links**

Chromic acid bath	3
Chromotropic acid di-Na salt, di-Na 4,5(1,8)-dihydroxynaphthalene-2,7(3,6)-disulfonate	413 421
Cisplatin, <i>cis</i> -diammine-dichloroplatinum(II)	417
Citiolone, <i>N</i> -acetyl- <i>RS</i> -homocysteine thiolactone	90
Citric acid cycle components	521
Claisen alkali	413
Claisen flask	10
Cleaning, practices	3
of glassware	3
chromic acid	14
Cleland's reagent, <i>RS</i> -1,4-Dithiothreitol	227
Column packings	11
balls or beads	11
helices	11
rings	11
Combinatorial chemistry	75
Condensers	11
double surface	11
coil	11
Friedrichs	11
Liebig	11
from the melt	16
Cooling baths	38
CTAB, hexadecyltri-methylammonium bromide	158
Cupferon, (<i>N</i> -nitroso- <i>N</i> -phenylhydroxylamine) NH ₄ salt	414
Cytokines	527

D

2,4-D, 2,4-dichlorophenoxyacetic acid	200
DABCO, 1,4-diazabicyclo-[2.2.2]-octane	191
DABITC, 4- <i>N,N'</i> -dimethylaminoazobenzene-4'-isothiocyanate	76 212
Danishesky's diene, <i>trans</i> -1-methoxy-3-(trimethylsilyloxy)-1,3-butadiene	441
DATD, (+)- <i>N,N'</i> -diallyl tartramide	185
Davy's reagent, 2,4-bis-(methylthio)-1,3,2λ ⁵ ,5,4λ ⁵ -dithiadiphosphetane-2,4-dithione	402
DEED, dibenzylethylenediamine	192
DBN, 1,5-diazabicyclo-[4.3.0]non-5-ene	190
DBU, 1,8-Diazabicyclo-[5.4.0]undec-7-ene	191
DCC, 1,3-dicyclohexylcarbodiimide	201
<i>o,p'</i> -ODD, 1-(2-chlorophenyl)-1-(4-chlorophenyl)-2,2-dichloroethane	166

Index terms**Links**

<i>p,p'</i> -DDD, 2,2-bis-(4-chlorophenyl)-1,1-dichloroethane	134
DDQ, 2,3-dichloro-5,6-dicyano- <i>p</i> -benzoquinine	197
<i>p,p'</i> -DDT, 2,2-bis-(4-chlorophenyl)-1,1,1-trichloroethane	134
DEAD, diethyl azodicarboxylate	74 202
Dean-Stark apparatus	58
DEC, 1-(3-Dimethylaminopropyl)-3-ethylcarbodiimide hydrochloride	74 212
Dehydrite	5 438
Demecocine, colcemide	522
Deoxyribonucleic acid (DNA)	504 528
	532
DEP, diethyl pyrocarbonate	205
Desiccants	26
alumina	27
aluminium amalgam	27
barium oxide	27
barium perchlorate	27
boric anhydride	27
calcium chloride	27
calcium hydride	27
calcium oxide	27
calcium sulfate	27
capacity	26
common	26
copper (II) sulfate	27
lithium aluminium hydride	27
magnesium amalgam	27
magnesium perchlorate	5 27
	438
magnesium sulfate	27
molecular sieves	28
phosphorus pentoxide	27
potassium	27
potassium carbonate	28
silica gel	28
sodium	28
sodium hydroxide	28
sodium-potassium alloy	28
sodium sulfate	28
sulfuric acid	28
DHFA, 7,8-dihydrofolic acid	529

Index terms**Links**

Dialysis	502
Di- and tri-carboxylic acids	529
Diatomaceous earth, preparation	20
Diazald	296
3,4-Dihydroxyphenylalanine-containing proteins	530
DIPHOS, 1,2-bis-(diphenyl-phosphino)ethane	402
Distillation	8
azeotropic	13
columns	11
fractional	10
Isopiestic or isothermal	13
Kügelrohr	13
of liquid mixtures	9
spinning-band	12
steam	12
techniques of	9
types of	10
vacuum	11
Distilling flask,	10
Dithizone, diphenylthiocarbazone	227
Diuron, 3-(3,4-dichlorophenyl)-1,1-dimethyl urea	200
DMAP, 4-dimethylaminopyridine	213
DMAP-PS, 4-dimethylaminopyridine on polystyrene support	213
DMF, <i>N,N</i> -dimethylformamide	215
DMPSCl, dimethylphenylsilyl chloride	449
DMSO, dimethyl sulfoxide	219
DMT, 4,4'-dimethoxytrityl chloride	211
DNA, deoxyribonucleic acids, purification	504 528
	532 560
DNPH, 2,4-dinitrophenylhydrazine	119 222
	291
DOPA, EUODOPA, <i>S</i> - β -(3,4-dihydroxyphenyl)alanine	530
2,4-DP, α -(2,4-dichlorophenoxy)propionic acid	200
Drying	25
removal of water	26
liquids for pistols	41
of solvents	25 43
Drying agents for organic compounds	43
DTBCl ₂ , di- <i>ter</i> -butyldichlorosilane	417

Index terms**Links**

DTE, 1,4-dithioerythritol	227
DTPA, diethylenetriamine-pentaacetic acid	203
DTT, <i>R,S</i> -1,4-Dithiothreitol	227
E	
Ebullioscopic Constant	10
EDCI, 1-ethyl-3-(3-dimethylaminopropyl) carbodiimide HCl	212
EDDA, <i>N,N</i> -ethylenediaminediacetic acid	237
EDTA, ethylenediaminetetraacetic acid	237
EDTA di-Na salt	421
EDTA Di-Na Mg salt	421
EEDQ, 2-ethoxy-1-ethoxycarbonyl-1,2-dihydroquinoline	233
EGTA, ethylene glycol bis(β -aminoethylether)- <i>N,N</i> -tetraacetic acid	238
Ehrlich's Reagent, <i>p</i> -dimethylaminobenzaldehyde	212
Ellman's reagent	76
Enzymes,	
[EC 1.1.1.5]	505
[EC 1.1.1.8]	539
[EC 1.1.1.30]	542
[EC 1.2.1.12]	538
[EC 1.1.3.4]	537
[EC 1.5.1.3]	529
[EC 1.6.99.7]	529
[EC 1.9.3.1]	526
[EC 1.10.2.2]	572
[EC 1.14.17.1]	532
[EC 1.15.1.1]	523
[EC 2.4.1.11]	540
[EC 2.5.1.18]	538
[EC 2.7.1.30]	538
[EC 2.7.1.40]	563
[EC 2.7.6.1]	559
[EC 2.7.7.49]	564
[EC 2.7.7.9]	573
[EC 3.1.1.34]	546
[EC 3.1.27.5]	565
[EC 3.1.3.1]	557
[EC 3.1.3.5]	553
[EC 3.2.1.8]	577
[EC 3.2.1.23]	537

Index terms**Links**Enzymes (*Continued*)

[EC 3.2.1.28]	572
[EC 3.2.1.35]	541
[EC 3.4.11.10]	531
[EC 3.4.17.1]	518
[EC 3.4.21.1]	521
[EC 3.4.21.31]	573
[EC 3.4.22.1]	519
[EC 3.4.22.2]	556
[EC 3.4.22.8]	521
[EC 3.4.23.1]	557
[EC 3.4.23.5]	519
[EC 3.4.24.3]	523
[EC 3.5.4.4]	563
[EC 4.2.1.1]	518
[EC 6.2.1.1]	508
[EC 6.2.1.2]	508
Ethanol	231
Exonucleases	533

F

FA, folic acid	536
FAD, flavin adenine dinucleotide	534
Fenske rings	11
Filters, micro	36
Whatman	35
Filtration	14
Florisil	14
Fluorous chemistry	77
Fluram, fluorescamine	535
FMOC-Cl, 9-fluorenylmethyl chloroformate	243
FMN, flavin mononucleotide	535
Fractogels	23
Friedrichs condenser	11
Freeze-pump-thaw and purging	29
Freon 12, dichlorodifluoromethane	198
Freon 13B1, bromotrifluoromethane	142
Fremy's Salt, potassium nitrosodisulfonate	456
FSH, follicle stimulating hormone	536

Index terms**Links**

Fuschin, rosaniline HCl	349
Fullerene	246
G	
GABA, 4-aminobutyric acid	104
Galvinoxyl	250
GDH, L-glycerol-3-phosphate dehydrogenase	539
Glass powder	426
Gangcyclovir	537
Gel electrophoresis	502
Gel filtration	500
Girard Reagent T	251
Glovebox techniques	30
Graded adsorbents	19
H	
Haematoporphyrin IX	427 541
Hagemann's ester	156
Heating baths	35
HEDTA, <i>N</i> -[2-hydroxyethyl]ethylenediaminetriacetic acid	261
Heimgartner's reagent, 2,4-bis-(<i>p</i> -tolylthio)-1,3,2λ ⁵ ,4λ ⁵ -dithiadiphosphetane-2,4-dithione	403
HEPES, <i>N</i> -2-hydroxyethyl-piperazine- <i>N'</i> -2-ethane-sulfonic acid	54 261
HIMDA, <i>N</i> -hydroxyethyliminodiacetic acid	261
Histones	541
HMDS, hexamethyldisilazane	428
HMPA, hexamethyl-phosphoric triamide	428
HMPT, hexamethyl-phosphorous triamide	428
HPLC, High performance liquid chromatography	18 24
gel filtration	24
paired-ion	24
reverse-phase	24
HMTA, hexamethylenetetramine	257
HOBt, 1-hydroxybenzotriazole	74 260
HPTLC, high performance thin layer chromatography	18
Hydroxylapatite	24 501
Hyflo-supercel	14

Index terms**Links****I**

Impurities, sources of	2
Ionic liquids for reactions	77
Ion exchange, bead form	41
celluloses	22 40
Cellex D	24
Cellex CM	23
matrices	501
resins	21 40
Sephadex	22 23
Sepharose	23
Ionization constants	7 80 389 513
Immiscible solvents	30
Isoelectric focusing	501
Interferons	543
Interleukins	543 544
Isothermal crystallization	14

J

Juglone, 2-hydroxy-1,4-naphthaquinone	264
---------------------------------------	-----

K

Kaiser test	76
Koser's reagent	266
KPEP, phosphoenolpyruvic acid K salt	558

L

Lactoferrin	545
Lanthanide (Europium) shift reagents	277
Lectins	545
Liebig condenser	11
Ligroin	16
Lipoproteins	546
Lithium aluminium hydride, in purification	55
Lithium hydride	436

M

McLeod type guage	12
Magon, Xylidyl Blue	438
Martius Yellow, 2,4-dinitro-1-naphthol	221
MCPA, 4-chloro-2-methylphenoxyacetic acid	164
Meglutol, 3-hydroxy-3-methylglutaric acid	263
Mega-9	553
MEK, 2-butanone, methyl ethyl ketone	144
MEMCl, 2-methoxyethoxymethylchloride	285
Mercurochrome, mercury dibromofluorescein	440
MES, 2-(<i>N</i> -morpholino)-ethanesulfonic acid	304
MESNA, Na 2-mercaptoethanesulfonate	473
Metal impurities,	
by complexation	53
by ion exchange resins	54
by precipitation	54
removal by extraction	54
removal from reagents	53
removal of lead	54
removal of iron	54
Methylarenes	289
Methyldopa, 3-(3,4-dihydroxyphenyl)-2-methyl-L-alanine	530
Methyl Yellow, <i>p</i> -dimethylaminoazobenzene	212
Mixed solvents	16
MMPP, monoperoxyphthalic acid magnesium salt	443
MOMCl, chloromethyl methyl ether	164
MONO-TRIS, 2-hydroxy-ethylimino-tris-(hydroxymethyl)-methane	261
MPTP, 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine HCl	547
MTAD, 4-methyl-1,2,4-triazoline-3,5-dione	302
MTPA, α -methoxy- α -trifluoromethyl-phenylacetic acid	286
MTT, Thiazolyl blue tetrazolium bromide	570
Muscimol, 5-aminoethyl-3[2 <i>h</i>]-isoxazolone	549
N	
NAD (DPN), β -nicotinamide adenine dinucleotide	551
NADH, reduced NAD	551
NADP, β -nicotinamide adenine dinucleotide phosphate	551
NADPH, reduced NADP	552
Naloxone HCl, 1- <i>N</i> -propenyl-7,8-dihydro-14-hydroxy morphinan-6-one HCl	550

Index terms**Links**

Naltrexone HCl, 1- <i>N</i> -cyclopropylmethyl-7,8-dihydro-14-hydroxymorphinan-6-one HCl	550
NAMA, <i>N</i> -acetyl muramic acid	507
NANA, <i>N</i> -acetyl neuraminic acid	507
NAM, <i>N</i> -(9-acridinyl)-maleimide	94
NaPAA, sodium polyacrylate	474
<i>cis</i> -, <i>trans</i> -, <i>cis/trans</i> -nerolidol	308
Nitromethane	311
NMN, β -nicotinamide mononucleotide	552
NPS-Cl, 2-Nitrobenzenesulfonyl chloride	309
NTA, Nitrilotriacetic acid	308
Nucleotide thiophosphates	553
Nylon powder	316
O	
Orcine	554
Ouabain	318
P	
PAGE, polyacrylamide gel electrophoresis	502
PAN, 1-(2-pyridylazo)-2-naphthol	345
Paper chromatography	19
PAR, 4-(2-pyridylazo)-resorcinol	345
Paraffin wax	319
Partial precipitation	502
PEGA, polyethyleneglycol acrylamide	74
Petroleum ether	324
Petroleum ethers	15
Petroleum spirit	15
pK	7
pKa and pKb	8
and temperature	8
and solvent	8
PFBHA, <i>O</i> -(2,3,4,5,6-pentafluorobenzyl)-hydroxylamine HCl	321
Phospholipids	558
Phosphoproteins	559
PIC, paired-ion chromatography	21
PIPES, piperazine- <i>N,N</i> -bis(2-ethanesulfonic acid)	336
PIPES-Na salt	474

<u>Index terms</u>	<u>Links</u>
Pituitary Growth Factor	560
Pixyl chloride, 9-chloro-9-phenyl-xanthene	167
Plasmids	560
PLP, pyridoxal-5'-phosphate	563
PMSF, phenylmethanesulfonyl fluoride	557
PNBP, 4-(4-nitrobenzyl)-pyridine	76 310
Podbielniak column	141 168 270 481 489
Polyethylene glycol	540
Polymer support reactants	74
Polypeptides, purification	503 560
Potassium borohydride, in purification	56
PPD, 2,5-diphenyl-1,3,4-oxadiazole	225
PPO, 2,5-Diphenyloxazole	225
PQQ, methoxantin coenzyme	547
Prefixes for quantities	44
Prefolic A, 5-methyltetrahydrofolic acid	548
Preparative GC	17
Proteins, purification	503 562
Proteoglycans	562
Proton ionophore, hydrogen ionophore, 4-nonadecylpyridine	430
Proton sponge, 1,8-bis-(dimethylamino)naphthalene	134
Provitamin B, D-panthenol	555
PTAD, 4-phenyl-1,2,4-triazoline-3,5-dione	333
PUGNAC, <i>Z</i> - <i>O</i> -(2-acetamido-2-deoxy-D-glycopyranosylideneamino)- <i>N</i> -phenylcarbamate	82
Purpald, 4-amino-3-hydrazino-5-mercapto-1,2,4-triazole	76 106
Purification <i>via</i> derivatives	56
of alcohols	56
of aldehydes	57
of amines	57
of aromatic hydrocarbons	58
of carboxylic acids	58
of hydroperoxides	59
of ketones	59
of phenols	59
of phosphate esters	60
of phosphonate esters	60

Index terms**Links**

Purification, general	
procedures for: acetals	61
acids	61
carboxylic	61
sulfonic	62
sulfinic	62
acid chlorides	62
alcohols	62
monohydric	62
polyhydric	63
aldehydes	63
amides	63
amines	63
amino acids	64
anhydrides	64
carotenoids	64
esters	64
ethers	65
halides	65
hydrocarbons	66
imides	67
imino compounds	67
ketones macromolecules	503 504
nitriles	67
nitro compounds	67
nucleic acids	504
phenols	68
polypeptides	503
proteins	503
quinones	68
salts (organic)	68
with metal ions	68
with organic cations	68
with Na alkane sulfonates	68
sulfur compounds	68
disulfides	68
sulfones	68
sulfoxides	69
thioethers	69
thiols	69

Purification, general (<i>Continued</i>)	
thiolsulfonates (disulfoxides)	69
Purity, criteria of	61
question of	1
R	
Rapid purification	80
of benzen	120
of tert-butyl alcohol	145
of carbon tetrachloride	157
of chloroform	163
of cyclohexane	178
of dichloromethane	199
of diethyl ether	204
of <i>N,N</i> -dimethylformamide	216
of dimethylsulfoxide	219
of 1,4-dioxane	223
of ethanol	232
of ethyl acetate	234
of <i>n</i> -hexane	257
of methanol	284
of petroleum ether	324
of tetrahydrofuran	361
of toluene	370
Raschig rings	11
Reactive groups on resins, detection of	
aldehyde groups	76
carboxy groups	76
amino groups	76
thiol groups	76
Fmoc assay	76
RDX, cyclotrimethylene-trinitramine	183
Reichstein's G, adrenosterone	98
Recrystallisation	14
choice of solvents	15
from the melt	16
techniques	14
Reverse-phase thin layer chromatography	19

Index terms**Links**

Resin support(s)	74
choice for SPOS	74
reactants	74
scavenger	74
Restriction enzymes	504 533
endonucleases	564
Riboflavin	564
RNA, ribonucleic acids	565
S	
Saccharides	566
Safety precautions	4
Safety disclaimer	6
Salcomine, <i>N,N'</i> -bis-(salicylidene)ethylene-diamine cobalt (II)	402
Salol, phenyl salicylate	332
Salts, vapour press with satd solns	42
SAM-HCl, (-)-S-adenosyl-L-methionine chloride	509
Sanger's reagent, 2,4-dinitrofluorobenzene	221
Scavanger resins	74
Schlenk techniques	30
Schlippe's salt	476
SDS, sodium dodecylsulfate	470
Selectophore, bis-[4-(1,1,3,3-tetramethylbutyl)phenyl]-phosphate Ca salt	403
SEMCl, 2-(trimethylsilyl)ethoxymethyl chloride	491
Sicapent	27
Silica, preparation	20
Silylation, of glassware	3
of plasticware	3
with REPEL-SILANE ES	4
Skellysolves A-L	351
Sodium <i>n</i> -alkylsulfates	465
Sodium borohydride, in purification	55
Sodium silicate solution	475
Solid phase reaction monitoring by:	
infrared analysis of resin	75
qualitative analysis of resin	75
quantitative analysis of resin	75

<u>Index terms</u>	<u>Links</u>
Solid phase synthesis (SPS)	72
of deoxyribo-nucleotides	73
of oligosaccharides	73
of organic compounds (SPOS)	72 73
of peptides (SPPS)	73
Solvent(s)	5 6
distribution	6
extraction	6
for crystn	37
immiscible	30
miscible	37
removal of acids from	6
removal of phenols from	6
removal of organic bases from	6
Solvents, mixed	16
Soxhlet extraction	14
Stedman column	153 240 419 441 442 489
Sublimation	17
Sulfuric acid (cone) for	
removal of unsaturated hydrocarbons	6
removal of alcohols	6
removal of ethers	6
T	
2,4,5-T, 2,4,5-trichlorophenoxyacetic acid	375
TBD, 1,5,7-triazabicyclo-[4.4.0]dec-5-ene	372
TBDPSCI, <i>tert</i> -butyldiphenylchlorosilane	405
TBHP, <i>tert</i> -butyl hydroperoxide	148
TCT, cyanuric chloride	76 176
TED, triethylenediamine	191
TEHP, (±)-tris-(2-ethylhexyl)phosphate	494
TEMED, <i>N,N,N',N'</i> -tetramethylethylene-diamine	364
TEMPO, 2,2,6,6-Tetramethylpiperidinyl-1-oxy	365
TES, <i>N</i> -tris-(hydroxy methyl)methyl-2-aminomethanesulfonic acid	54 363
THFA, tetrahydrofolic acid	569
TIRON, 1,2-Dihydroxybenzene-3,5-di-sulfonic acid, di-Na salt	419
Thiram, bis-(dimethylthiocarbamyl)disulfide	134

Index terms**Links**

TLG, thin layer gel filtration	18
TMEDA, <i>N,N,N',N'</i> -tetramethyl-ethylene-diamine	364
TMS, tetramethylsilane	482
TMSAN, trimethylsilyl acetonitrile	490
TMSF, fluorotrimethylsilane	425
TMSI, trimethylsilyl iodide	433
TNBS, 2,4,6-trinitrobenzenesulfonic acid	76 380
TNT, 2,4,6-trinitrotoluene	380
Todd column	174 183 279 346 442 485 492
TOSMIC, tosylmethyl isocyanide	372
Toyoparl	23
TPAP, Tetra- <i>n</i> -propyl-ammonium perruthenate	483
TPP, 5,10,15,20-tetraphenylporphyrin	366
TREN, tris-(2-aminoethyl)-amine	376 381
TRICINE, <i>N</i> -tris-(hydroxymethyl)methylglycine	382
TRIEN (TETA), triethylene tetramine	376
TRIEN.HCl, triethylenetetramine 4HCl	376
TRIS, tris-(hydroxymethyl)-methylamine	54 381
TRIS-HCl, tris-(hydroxymethyl)methylamine HCl	382
Triton B, benzyltrimethyl-ammonium hydroxide	131
TTC, 2,3,5-triphenyltetrazolium chloride	381
TTMSS, tris-(trimethylsilyl)silane	495
U	
Ubiquinone, Coenzyme Q	522
Uracil, uridine and uridine nucleotides	572
Ultrafiltration	502
Ultragels	23
Uridine 5'-(1-thio) monophosphate	573
V	
Vacuum-lines	30
Vigreux column	11
Vitamins	574

Index terms**Links****W**Wanzlick's reagent, *N,N'*-diphenylethylene-diamine

225

Widmer Column

87 147

181 376

480

Wilkinson's catalyst

412

X

Xanthotoxin

577

Y

Yohimbine

388

Z

Zone refining

16