

Introduction

Symbols

General Information

Containing three carbon...:

C<sub>3</sub> and Br, Cl, Co or F

C<sub>3</sub> and I, N, O or S

C<sub>3</sub>H<sub>1</sub>...

C<sub>3</sub>H<sub>6</sub>...

C<sub>3</sub>H<sub>2</sub>...

C<sub>3</sub>H<sub>7</sub>...

C<sub>3</sub>H<sub>3</sub>...

C<sub>3</sub>H<sub>8</sub>...

C<sub>3</sub>H<sub>4</sub>...

C<sub>3</sub>H<sub>9</sub>...

C<sub>3</sub>H<sub>5</sub>...

C<sub>3</sub>H<sub>10...15</sub>...

Containing four carbon...:

C<sub>4</sub> and Br, Cl, Cu or F

C<sub>4</sub> and N, Ni or O

C<sub>4</sub>H<sub>1</sub>...

C<sub>4</sub>H<sub>6</sub>...

C<sub>4</sub>H<sub>2</sub>...

C<sub>4</sub>H<sub>7</sub>...

C<sub>4</sub>H<sub>3</sub>...

C<sub>4</sub>H<sub>8</sub>...

C<sub>4</sub>H<sub>4</sub>...

C<sub>4</sub>H<sub>9</sub>...

C<sub>4</sub>H<sub>5</sub>...

C<sub>4</sub>H<sub>10...22</sub>...

Introduction

Symbols

General Information

### Three Carbon and no Hydrogen Atoms, with Atoms Br, Cl, Co or F:

$C_3$	Tricarbon	993
$C_3BrN$	Bromocyanoacetylene	994
$C_3Br_2F_6$	1,2-Dibromo-1,1,2,3,3,3-hexafluoropropane	995
$C_3ClF_3$	1-Chloro-3,3,3-trifluoropropyne	996
$C_3ClN$	Chlorocyanoacetylene	997
$C_3ClN_3O_3Si$	Chlorosilanetriyl triisocyanate	998
$C_3Cl_2F_6$	1,2-Dichloro-1,1,2,3,3,3-hexafluoropropane	999
$C_3Cl_2F_6$	1,3-Dichloro-1,1,2,2,3,3-hexafluoropropane	1000
$C_3Cl_2F_9P$	Dichlorotris(trifluoromethyl)phosphorane	1001
$C_3Cl_4$	Tetrachlorocyclopropene	1002
$C_3Cl_6$	1,1,2,3,3,3-Hexachloro-1-propene	1003
$C_3Cl_6$	Hexachlorocyclopropane	1004
$C_3Cl_6O$	Hexachloropropanone	1005
$C_3Cl_8$	Octachloropropane	1006
$C_3CoNO_4$	Tricarbonylnitrosylcobalt	1007
$C_3FN$	3-Fluoro-2-propynenitrile	1008
$C_3F_2O$	3,3-Difluoro-1,2-propadienone	1009
$C_3F_2O$	2,3-Difluoro-2-cyclopropenone	1010
$C_3F_3N_3$	2,4,6-Trifluoro-1,3,5-triazine	1011
$C_3F_4$	1,3,3,3-Tetrafluoropropyne	1012
$C_3F_4O_2$	Difluoromalonyl difluoride	1013
$C_3F_6$	1,1,2,3,3,3-Hexafluoro-1-propene	1014
$C_3F_6$	Hexafluorocyclopropane	1015
$C_3F_6O$	Hexafluoropropanone	1016
$C_3F_6O$	2-(Trifluoromethyl)-2,3,3-trifluorooxirane	1017
$C_3F_6OS$	Hexafluoropropanethione <i>S</i> -oxide	1018
$C_3F_6O_2$	Hexafluoro-1,2-dioxolane	1019
$C_3F_6O_6S_3$	2,2,4,4,6,6-Hexafluoro-1,3,5-trithiane 1,1,3,3,5,5-hexaoxide	1020
$C_3F_6S$	1,1,2-Trifluoro-2-[(trifluoromethyl)thio]ethene	1021
$C_3F_7I$	1,1,1,2,3,3,3-Heptafluoro-2-iodopropane	1022
$C_3F_8$	Octafluoropropane	1023
$C_3F_9N$	Tris(trifluoromethyl)amine	1024
$C_3F_9NS_3$	Tris(trifluoromethylthio)amine	1025
$C_3F_9P$	Tris(trifluoromethyl)phosphine	1026
$C_3F_9PS$	Trifluoromethyl bis(trifluoromethyl)phosphinothioite	1027
$C_3F_9PS_3$	Tris(trifluoromethyl) phosphorotrithioite	1028
$C_3F_{11}P$	Difluorotris(trifluoromethyl)phosphorane	1029

**Three Carbon and one Hydrogen Atom:**

C <sub>3</sub> H	Cyclopropynyl	1030
C <sub>3</sub> HClO	Propioloyl chloride	1031
C <sub>3</sub> HCl <sub>3</sub> F <sub>2</sub>	1,1,2-Trichloro-3,3-difluoro-1-propene	1032
C <sub>3</sub> HCl <sub>5</sub>	1,1,2,3,3-Pentachloro-1-propene	1033
C <sub>3</sub> HCl <sub>7</sub>	1,1,1,2,2,3,3-Heptachloropropane	1034
C <sub>3</sub> HFO	Propioloyl fluoride	1035
C <sub>3</sub> HF <sub>3</sub>	3,3,3-Trifluoro-1-propyne	1036
C <sub>3</sub> HF <sub>3</sub> O	3,3-Difluoro-2-propenoyl fluoride	1037
C <sub>3</sub> HF <sub>6</sub> N	Hexafluoro-2-propanimine	1038
C <sub>3</sub> HN	2-Propynenitrile	1039
C <sub>3</sub> HN	Ethynyl isocyanide	1040
C <sub>3</sub> HNO	Ethynyl isocyanate	1041
C <sub>3</sub> HNO <sub>4</sub>	Hydrogen cyanide – carbon dioxide (1/2)	1042
C <sub>3</sub> HN <sub>3</sub>	2-Propynenitrile – dinitrogen (1/1)	1043
C <sub>3</sub> HO	3-Oxo-1,2-propadien-1-yl	1044
C <sub>3</sub> HP	1-Phospha-1,3-butadiyne	1045
C <sub>3</sub> HS	3-Thioxo-1,2-propadien-1-yl	1046

## Three Carbon and Two Hydrogen Atoms:

$C_3H_2$	1,2-Propadien-1,3-diyl	1047
$C_3H_2$	1,2-Propadienylidene	1048
$C_3H_2$	Cyclopropenylidene	1049
$C_3H_2ClF$	1-Chloro-1-fluoro-1,2-propadiene	1050
$C_3H_2ClF$	1-Chloro-3-fluoropropyne	1051
$C_3H_2ClN$	2-Chloro-2-propenenitrile	1052
$C_3H_2Cl_2$	1,3-Dichloropropyne	1053
$C_3H_2Cl_2O$	2-Chloropropenoyl chloride	1054
$C_3H_2Cl_2O_2$	Propanedioyl dichloride	1055
$C_3H_2Cl_4$	1,1,3,3-Tetrachloro-1-propene	1056
$C_3H_2Cl_4$	( <i>E</i> )-1,2,3,3-Tetrachloro-1-propene	1057
$C_3H_2Cl_4$	( <i>Z</i> )-1,2,3,3-Tetrachloro-1-propene	1058
$C_3H_2Cl_6$	1,1,2,2,3,3-Hexachloropropene	1059
$C_3H_2FN$	Cyanoacetylene – hydrogen fluoride (1/1)	1060
$C_3H_2F_2$	1,1-Difluoro-1,2-propadiene	1061
$C_3H_2F_2$	3,3-Difluorocyclopropene	1062
$C_3H_2F_2O_2$	Propanedioyl difluoride	1063
$C_3H_2F_4$	1,1,2,2-Tetrafluorocyclopropane	1064
$C_3H_2F_4$	<i>cis</i> -1,1,2,3-Tetrafluorocyclopropane	1065
$C_3H_2F_6$	1,1,1,3,3,3-Hexafluoropropene	1066
$C_3H_2F_6S_2$	Bis[(trifluoromethyl)thio]methane	1067
$C_3H_2N_2$	Propanedinitrile	1068
$C_3H_2N_2O$	Carbon monoxide – hydrogen cyanide (1/2)	1069
$C_3H_2N_2O_2$	Carbon dioxide – hydrogen cyanide (1/2)	1070
$C_3H_2N_2O_2S$	1,6-Dioxo-6aλ <sup>4</sup> -thia-2,5-diazapentalene	1071
$C_3H_2O$	Methyleneketene	1072
$C_3H_2O$	Propynal	1073
$C_3H_2O$	Cyclopropenone	1074
$C_3H_2O$	Acetylene – carbon monoxide (1/1)	1075
$C_3H_2O_2$	Acetylene – carbon dioxide (1/1)	1076
$C_3H_2O_3$	Vinylene carbonate	1077
$C_3H_2S$	1,2-Propadiene-1-thione	1078

## Three Carbon and Three Hydrogen Atoms:

$C_3H_3ArN$	Acrylonitrile – argon (1/1)	1079
$C_3H_3ArNO$	Oxazole – argon (1/1)	1080
$C_3H_3ArNS$	Thiazole – argon (1/1)	1081
$C_3H_3ArNS$	Isothiazole – argon (1/1)	1082
$C_3H_3Br$	Bromo-1,2-propadiene	1083
$C_3H_3Br$	1-Bromopropyne	1084
$C_3H_3Br$	Propargyl bromide	1085
$C_3H_3BrO$	2-Bromo-2-propenal	1086
$C_3H_3Cl$	1-Chloro-1-propyne	1087
$C_3H_3Cl$	Propargyl chloride	1088
$C_3H_3ClO$	Propenoyl chloride	1089
$C_3H_3ClO$	2-Chloro-2-propenal	1090
$C_3H_3Cl_2OP$	1,2-Propadienylphosphonic dichloride	1091
$C_3H_3Cl_3$	( <i>E</i> )-1,2,3-Trichloro-1-propene	1092
$C_3H_3Cl_3F_2Si$	Trichloro(2,2-difluorocyclopropyl)silane	1093
$C_3H_3Cl_5$	1,1,2,3,3-Pentachloropropane	1094
$C_3H_3Cl_5$	1,1,3,3,3-Pentachloropropane	1095
$C_3H_3F$	1-Fluoro-1,2-propadiene	1096
$C_3H_3F$	3-Fluoro-1-propyne	1097
$C_3H_3FO$	Acryloyl fluoride	1098
$C_3H_3F_3$	3,3,3-Trifluoro-1-propene	1099
$C_3H_3F_3$	<i>cis,cis</i> -1,2,3-Trifluorocyclopropane	1100
$C_3H_3F_3$	<i>r</i> -1, <i>c</i> -2, <i>t</i> -3-1,2,3-Trifluorocyclopropane	1101
$C_3H_3F_3N_2$	Fluoroform – hydrogen cyanide (1/2)	1102
$C_3H_3F_3O$	$\alpha,\alpha,\alpha$ -Trifluoroacetone	1103
$C_3H_3F_3O_4$	Formic acid – trifluoroacetic acid (1/1)	1104
$C_3H_3F_3Si$	3,3,3-Trifluoro-1-silyl-1-propyne	1105
$C_3H_3F_5Si$	1,1-Difluoro-2-(trifluorosilyl)cyclopropane	1106
$C_3H_3F_6N$	1,1,1-Trifluoro- <i>N</i> -methyl- <i>N</i> -(trifluoromethyl)methanamine	1107
$C_3H_3I$	3-Iodo-1-propyne	1108
$C_3H_3N$	2-Propenenitrile	1109
$C_3H_3N$	Vinyl isocyanide	1110
$C_3H_3N$	( <i>Z</i> )-2-Propynimine	1111
$C_3H_3N$	Acetylene – hydrogen cyanide (1/1)	1112
$C_3H_3NO$	Propynamide	1113
$C_3H_3NO$	2-Oxopropanenitrile	1114
$C_3H_3NO$	Vinyl isocyanate	1115
$C_3H_3NO$	Oxazole	1116
$C_3H_3NO$	Isoxazole	1117
$C_3H_3NO$	Fulminic acid – acetylene (1/1)	1118
$C_3H_3NO_2$	2-Propynyl nitrite	1119
$C_3H_3NO_2$	Acetyl isocyanate	1120
$C_3H_3NO_2$	Methyl cyanoformate	1121
$C_3H_3NO_2S$	5-Methyl-1,3,4-oxathiazol-2-one	1122
$C_3H_3NS$	Thiazole	1123
$C_3H_3NS$	Isothiazole	1124
$C_3H_3N_3$	3-Azidopropyne	1125
$C_3H_3N_3$	1,3,5-Triazine	1126
$C_3H_3N_3$	Hydrogen cyanide trimer	1127
$C_3H_3P$	1-Phospha-3-buten-1-yne	1128

## Three Carbon and Four Hydrogen Atoms:

$C_3H_4$	Methylacetylene	1129
$C_3H_4$	1,2-Propadiene	1130
$C_3H_4$	Cyclopropene	1131
$C_3H_4Ar$	Methylacetylene – argon (1/1)	1132
$C_3H_4BrCl$	2-Bromo-3-chloro-1-propene	1133
$C_3H_4BrN$	3-Bromopropionitrile	1134
$C_3H_4Br_2$	2,3-Dibromo-1-propene	1135
$C_3H_4ClF$	( <i>Z</i> )-1-Chloro-3-fluoro-1-propene	1136
$C_3H_4ClF$	2-Chloro-3-fluoro-1-propene	1137
$C_3H_4ClF_3$	3-Chloro-1,1,1-trifluoropropane	1138
$C_3H_4ClN$	3-Chloropropionitrile	1139
$C_3H_4ClOPS$	2-Chloro-5-methyl-1,3,2-oxathiaphosphole	1140
$C_3H_4Cl_2$	<i>trans</i> -1,3-Dichloro-1-propene	1141
$C_3H_4Cl_2$	<i>cis</i> -1,3-Dichloro-1-propene	1142
$C_3H_4Cl_2$	2,3-Dichloro-1-propene	1143
$C_3H_4Cl_2$	1,1-Dichlorocyclopropane	1144
$C_3H_4Cl_2O_2$	Methyl dichloroacetate	1145
$C_3H_4Cl_3N$	( <i>E</i> )- <i>N</i> -Methyl-2,2,2-trichloroethylidenamine	1146
$C_3H_4Cl_4$	1,1,3,3-Tetrachloropropane	1147
$C_3H_4F_2$	<i>cis</i> -1,2-Difluorocyclopropane	1148
$C_3H_4F_2$	<i>trans</i> -1,2-Difluorocyclopropane	1149
$C_3H_4F_2$	1,1-Difluorocyclopropane - <i>d</i> <sub>4</sub>	1150
$C_3H_4F_2NOP$	3-(Difluorophosphinoxy)propionitrile	1151
$C_3H_4NO_3P$	2-Isocyanato-1,3,2-dioxaphospholane	1152
$C_3H_4N_2$	Pyrazole	1153
$C_3H_4N_2$	Imidazole	1154
$C_3H_4N_2$	Hydrogen cyanide – acetonitrile (1/1)	1155
$C_3H_4N_2$	Methyl isocyanide – hydrogen cyanide (1/1)	1156
$C_3H_4N_2$	Methylacetylene – dinitrogen (1/1)	1157
$C_3H_4O$	Methoxyethyne	1158
$C_3H_4O$	1-Propen-1-one	1159
$C_3H_4O$	Acrylaldehyde	1160
$C_3H_4O$	Cyclopropanone	1161
$C_3H_4O$	Formaldehyde – acetylene (1/1)	1162
$C_3H_4OS$	3-Thietanone	1163
$C_3H_4O_2$	Vinyl formate	1164
$C_3H_4O_2$	3-Hydroxy-2-propenal	1165
$C_3H_4O_2$	2,3-Epoxypropanal	1166
$C_3H_4O_2$	3-Oxetanone	1167
$C_3H_4O_2S$	Propyne – sulfur dioxide (1/1)	1168
$C_3H_4O_3$	Formic acetic anhydride	1169
$C_3H_4O_3$	2-Oxopropanoic acid	1170
$C_3H_4O_3$	Ethylene carbonate	1171
$C_3H_4S$	(Methyl)thio ketene	1172
$C_3H_4S$	2-Propenethial	1173
$C_3H_4S$	2-Propyne-1-thiol	1174
$C_3H_4S$	(Methylthio)ethyne	1175
$C_3H_4S$	2-Methylenethiirane	1176
$C_3H_4S$	2 <i>H</i> -Thiete	1177

## Three Carbon and Five Hydrogen Atoms:

C <sub>3</sub> H <sub>5</sub>	2-Propen-1-yl	1178
C <sub>3</sub> H <sub>5</sub> BF <sub>2</sub>	Cyclopropyldifluoroborane	1179
C <sub>3</sub> H <sub>5</sub> Br	( <i>E</i> )-1-Bromo-1-propene	1180
C <sub>3</sub> H <sub>5</sub> Br	2-Bromo-1-propene	1181
C <sub>3</sub> H <sub>5</sub> Br	3-Bromo-1-propene	1182
C <sub>3</sub> H <sub>5</sub> Br	Bromocyclopropane	1183
C <sub>3</sub> H <sub>5</sub> BrO	Propionyl bromide	1184
C <sub>3</sub> H <sub>5</sub> BrO	2-(Bromomethyl)oxirane	1185
C <sub>3</sub> H <sub>5</sub> BrO <sub>2</sub> S	1-Bromovinyl methyl sulfone	1186
C <sub>3</sub> H <sub>5</sub> BrO <sub>2</sub> S	3-Bromothietane 1,1-dioxide	1187
C <sub>3</sub> H <sub>5</sub> Br <sub>3</sub>	1,2,3-Tribromopropane	1188
C <sub>3</sub> H <sub>5</sub> Cl	<i>cis</i> -1-Chloro-1-propene	1189
C <sub>3</sub> H <sub>5</sub> Cl	<i>trans</i> -1-Chloro-1-propene	1190
C <sub>3</sub> H <sub>5</sub> Cl	2-Chloro-1-propene	1191
C <sub>3</sub> H <sub>5</sub> Cl	3-Chloro-1-propene	1192
C <sub>3</sub> H <sub>5</sub> Cl	Cyclopropyl chloride	1193
C <sub>3</sub> H <sub>5</sub> ClO	Propionyl chloride	1194
C <sub>3</sub> H <sub>5</sub> ClO	2-Chloropropionaldehyde	1195
C <sub>3</sub> H <sub>5</sub> ClO	Chloroacetone	1196
C <sub>3</sub> H <sub>5</sub> ClO	2-(Chloromethyl)oxirane	1197
C <sub>3</sub> H <sub>5</sub> ClO <sub>2</sub> S	( <i>Z</i> )-2-Chlorovinyl methyl sulfone	1198
C <sub>3</sub> H <sub>5</sub> ClO <sub>2</sub> S	( <i>E</i> )-2-Chlorovinyl methyl sulfone	1199
C <sub>3</sub> H <sub>5</sub> ClS	2-(Chloromethyl)thiirane	1200
C <sub>3</sub> H <sub>5</sub> Cl <sub>3</sub>	1,2,3-Trichloropropane	1201
C <sub>3</sub> H <sub>5</sub> F	( <i>Z</i> )-1-Fluoro-1-propene	1202
C <sub>3</sub> H <sub>5</sub> F	( <i>E</i> )-1-Fluoro-1-propene	1203
C <sub>3</sub> H <sub>5</sub> F	2-Fluoro-1-propene	1204
C <sub>3</sub> H <sub>5</sub> F	3-Fluoro-1-propene	1205
C <sub>3</sub> H <sub>5</sub> F	Propyne – hydrogen fluoride (1/1)	1206
C <sub>3</sub> H <sub>5</sub> F	1,2-Propadiene – hydrogen fluoride (1/1)	1207
C <sub>3</sub> H <sub>5</sub> FO	Fluoroacetone	1208
C <sub>3</sub> H <sub>5</sub> F <sub>3</sub> Si	Trifluoro-2-propenylsilane	1209
C <sub>3</sub> H <sub>5</sub> F <sub>3</sub> Si	(Trifluorosilyl)cyclopropane	1210
C <sub>3</sub> H <sub>5</sub> I	3-Iodo-1-propene	1211
C <sub>3</sub> H <sub>5</sub> N	2-Propen-1-imine '	1212
C <sub>3</sub> H <sub>5</sub> N	Propargylamine	1213
C <sub>3</sub> H <sub>5</sub> N	Propionitrile	1214
C <sub>3</sub> H <sub>5</sub> N	Ethylene – hydrogen cyanide (1/1)	1215
C <sub>3</sub> H <sub>5</sub> NO	Ethyl isocyanate	1216
C <sub>3</sub> H <sub>5</sub> NO	2-Hydroxypropanenitrile	1217
C <sub>3</sub> H <sub>5</sub> NO	3-Hydroxypropanenitrile	1218
C <sub>3</sub> H <sub>5</sub> NO	2-Azetidinone	1219
C <sub>3</sub> H <sub>5</sub> NO	Hydrogen cyanide – oxirane (1/1)	1220
C <sub>3</sub> H <sub>5</sub> NO <sub>2</sub>	( <i>E</i> )-Hydroxyimino)-2-propanone	1221
C <sub>3</sub> H <sub>5</sub> NO <sub>2</sub>	Nitrocyclopropane	1222
C <sub>3</sub> H <sub>5</sub> NS	Ethyl isothiocyanate	1223
C <sub>3</sub> H <sub>5</sub> NS	3-Mercaptopropionitrile	1224
C <sub>3</sub> H <sub>5</sub> NS	Thiirane – hydrogen cyanide (1/1)	1225
C <sub>3</sub> H <sub>5</sub> NSe	Ethyl selenocyanate	1226
C <sub>3</sub> H <sub>5</sub> NSe	Ethyl isoselenocyanate	1227
C <sub>3</sub> H <sub>5</sub> N <sub>3</sub>	Allyl azide	1228
C <sub>3</sub> H <sub>5</sub> O <sub>3</sub> P	2,6,7-Trioxa-1-phosphabicyclo[2.2.1]heptane	1229

## Three Carbon and Six Hydrogen Atoms:

$C_3H_6$	Propene	1230
$C_3H_6$	Cyclopropane	1231
$C_3H_6ArO_3$	1,3,5-Trioxane – argon (1/1)	1232
$C_3H_6AsBrO_2$	2-Bromo-1,3,2-dioxarsenane	1233
$C_3H_6BNO$	Isocyanatodimethylborane	1234
$C_3H_6BrCl$	1-Bromo-3-chloropropane	1235
$C_3H_6Br_2$	1,2-Dibromopropane	1236
$C_3H_6Br_2$	1,3-Dibromopropane	1237
$C_3H_6ClF$	2-Chloro-2-fluoropropane	1238
$C_3H_6ClN$	1-Chloroazetidine	1239
$C_3H_6ClNO$	Dimethylcarbamic chloride	1240
$C_3H_6ClN_2OP$	2-Chloro-2,3-dihydro-3,5-dimethyl-1,3,4,2-oxadiazaphosphole	1241
$C_3H_6ClO_2P$	2-Chloro-1,3,2-dioxaphosphorinane	1242
$C_3H_6Cl_2$	1,1-Dichloropropane	1243
$C_3H_6Cl_2$	1,2-Dichloropropane	1244
$C_3H_6Cl_2$	1,3-Dichloropropane	1245
$C_3H_6Cl_2$	2,2-Dichloropropane	1246
$C_3H_6Cl_2Si$	Dichloromethylvinylsilane	1247
$C_3H_6Cl_2Si$	1,1-Dichlorosilacyclobutane	1248
$C_3H_6F_2$	1,3-Difluoropropane	1249
$C_3H_6F_2$	2,2-Difluoropropane	1250
$C_3H_6F_2Si$	1,1-Difluorosilacyclobutane	1251
$C_3H_6F_3N$	1,1,1-Trifluoro- <i>N,N</i> -dimethylmethanamine	1252
$C_3H_6F_4P_2S_2$	1,3-Bis(difluorophosphinothio)propane	1253
$C_3H_6I_2$	1,3-Diiodopropane	1254
$C_3H_6NP$	3-Phosphinopropionitrile	1255
$C_3H_6N_2$	(Methylamino)acetonitrile	1256
$C_3H_6N_2$	Dimethylcyanamide	1257
$C_3H_6N_2$	3-Aminopropionitrile	1258
$C_3H_6N_2$	3,3-Dimethyl-3 <i>H</i> -diazirine	1259
$C_3H_6N_2$	4,5-Dihydro-3 <i>H</i> -pyrazole	1260
$C_3H_6N_2O_2$	<i>N</i> -Methyl- <i>N</i> -nitrovinylamine	1261
$C_3H_6N_2O_4$	2,2-Dinitropropane	1262
$C_3H_6N_4O_4$	1,3-Dinitroimidazolidine	1263
$C_3H_6N_6O_6$	Hexahydro-1,3,5-trinitro-1,3,5-triazine	1264
$C_3H_6O$	Propanone	1265
$C_3H_6O$	Allyl alcohol	1266
$C_3H_6O$	Methyl vinyl ether	1267
$C_3H_6O$	Propanal	1268
$C_3H_6O$	2-Methyloxirane	1269
$C_3H_6O$	Oxetane	1270
$C_2H_6OS$	Thietane 1-oxide	1271
$C_3H_6OS_2$	<i>S,S</i> -Dimethyl dithiocarbonate	1272
$C_3H_6O_2$	Methyl acetate	1273
$C_3H_6O_2$	1-Hydroxy-2-propanone	1274
$C_3H_6O_2$	Propionic acid	1275
$C_3H_6O_2$	Ethyl formate	1276
$C_3H_6O_2$	Oxiranemethanol	1277
$C_3H_6O_2$	1,3-Dioxolane	1278
$C_3H_6O_2S$	Methyl vinyl sulfone	1279
$C_3H_6O_2S$	Propylene – sulfur dioxide (1/1)	1280
$C_3H_6O_2S$	Cyclopropane – sulfur dioxide (1/1)	1281
$C_3H_6O_3$	2-Hydroxypropanoic acid	1282
$C_3H_6O_3$	Dimethyl carbonate	1283



$C_3H_6O_3$	2-Hydroxyethyl formate	1284
$C_3H_6O_3$	3-Methyl-1,2,4-trioxolane	1285
$C_3H_6O_3$	1,3,5-Trioxane	1286
$C_3H_6O_3S$	Trimethylene sulfite	1287
$C_3H_6O_3Se$	Trimethylene selenite	1288
$C_3H_6O_4$	3-Methoxy-1,2,4-trioxolane	1289
$C_3H_6S$	Methyl vinyl sulfide	1290
$C_3H_6S$	Thietane	1291
$C_3H_6S_3$	Dimethyl trithiocarbonate	1292
$C_3H_6S_3$	1,3,5-Trithiane	1293
$C_3H_6Si$	1-Silyl-1-propyne	1294

## Three Carbon and Seven Hydrogen Atoms:

$C_3H_7AsS_2$	2-Methyl-1,3,2-dithiaarsolane	1295
$C_3H_7Br$	1-Bromopropane	1296
$C_3H_7Br$	2-Bromopropane	1297
$C_3H_7Cl$	1-Chloropropane	1298
$C_3H_7Cl$	2-Chloropropane	1299
$C_3H_7Cl$	Cyclopropane – hydrogen chloride (1/1)	1300
$C_3H_7ClNOP$	2-Chloro-3-methyl-1,3,2-oxazaphospholane	1301
$C_3H_7ClO$	3-Chloro-1-propanol	1302
$C_3H_7ClO$	Chloromethyl ethyl ether	1303
$C_3H_7Cl_2P$	Dichloroisopropylphosphine	1304
$C_3H_7F$	1-Fluoropropane	1305
$C_3H_7F$	2-Fluoropropane	1306
$C_3H_7F$	Cyclopropane – hydrogen fluoride (1/1)	1307
$C_3H_7FO$	1-Fluoro-2-propanol	1308
$C_3H_7FO$	2-Fluoro-1-propanol	1309
$C_3H_7FO$	3-Fluoro-1-propanol	1310
$C_3H_7FO$	Fluoromethyl ethyl ether	1311
$C_3H_7FO$	Oxetane – hydrogen fluoride (1/1)	1312
$C_3H_7F_2P$	Difluoroisopropylphosphine	1313
$C_3H_7I$	1-Iodopropane	1314
$C_3H_7I$	2-Iodopropane	1315
$C_3H_7N$	( <i>E</i> )- <i>N</i> -Ethylidenemethylamine	1316
$C_3H_7N$	Allylamine	1317
$C_3H_7N$	Cyclopropylamine	1318
$C_3H_7N$	1-Methylaziridine	1319
$C_3H_7N$	2-Methylaziridine	1320
$C_3H_7N$	Azetidine	1321
$C_3H_7N$	Ethane – hydrogen cyanide (1/1)	1322
$C_3H_7NO$	<i>N</i> -Methylacetamide	1323
$C_3H_7NO$	( <i>Z</i> )-Propionaldehyde oxime	1324
$C_3H_7NO$	( <i>E</i> )-Propionaldehyde oxime	1325
$C_3H_7NO$	<i>N,N</i> -Dimethylformamide	1326
$C_3H_7NO$	3-Azetidinol	1327
$C_3H_7NOSi$	Dimethylsilyl isocyanate	1328
$C_3H_7NO_2$	Propyl nitrite	1329
$C_3H_7NO_2$	Isopropyl nitrite	1330
$C_3H_7NO_2$	L-Alanine	1331
$C_3H_7NO_2$	2-Nitropropane	1332
$C_3H_7NO_2$	Glycine methyl ester	1333
$C_3H_7NS$	Thiazolidine	1334
$C_3H_7NSSi$	Dimethylsilyl isothiocyanate	1335
$C_3H_7NSi$	Dimethylsilylmethanenitrile	1336
$C_3H_7O_3P$	2-Methoxy-1,3,2-dioxaphospholane	1337
$C_3H_7P$	<i>cis</i> -2-Methylphosphirane	1338
$C_3H_7P$	<i>trans</i> -2-Methylphosphirane	1339
$C_3H_7P$	Cyclopropylphosphine	1340

**Three Carbon and Eight Hydrogen Atoms:**

$C_3H_8$	Propane	1341
$C_3H_8BrClSi$	(Bromomethyl)chlorodimethylsilane	1342
$C_3H_8Ge$	Cyclopropylgermane	1343
$C_3H_8N_2$	<i>trans</i> -1,2-Dimethyldiaziridine	1344
$C_3H_8O$	Ethyl methyl ether	1345
$C_3H_8O$	Cyclopropane – water (1/1)	1346
$C_3H_8OS$	2-(Methylthio)ethanol	1347
$C_3H_8OS$	1-Mercapto-2-propanol	1348
$C_3H_8O_2$	2-Methoxyethanol	1349
$C_3H_8O_2$	Dimethoxymethane	1350
$C_3H_8O_2$	1,2-Propanediol	1351
$C_3H_8O_2$	1,3-Propanediol	1352
$C_3H_8S$	1-Propanethiol	1353
$C_3H_8S$	2-Propanethiol	1354
$C_3H_8S$	Ethyl methyl sulfide	1355
$C_3H_8S_2$	Methyl ethyl disulfide	1356
$C_3H_8Se$	2-Propaneselenol	1357
$C_3H_8Si$	Allylsilane	1358
$C_3H_8Si$	Methylvinylsilane	1359
$C_3H_8Si$	Dimethyl(methylene)silane	1360
$C_3H_8Si$	Cyclopropylsilane	1361
$C_3H_8Si$	Silacyclobutane	1362

## Three Carbon and Nine Hydrogen Atoms:

$C_3H_9Al$	Trimethylaluminum	1363
$C_3H_9AlCl_3N$	Trimethylamine – aluminum trichloride (1/1)	1364
$C_3H_9As$	Trimethylarsine	1365
$C_3H_9AsF_2$	Trimethylarsenic difluoride	1366
$C_3H_9AsO$	Trimethylarsine oxide	1367
$C_3H_9AsO_3$	Trimethylarsenite	1368
$C_3H_9AsS$	Trimethylarsine sulfide	1369
$C_3H_9B$	Trimethylborane	1370
$C_3H_9BBr_3N$	Trimethylamine – boron tribromide (1/1)	1371
$C_3H_9BBr_3P$	Trimethylphosphine – boron tribromide (1/1)	1372
$C_3H_9BCl_3N$	Trimethylamine – boron trichloride (1/1)	1373
$C_3H_9BCl_3P$	Trimethylphosphine – boron trichloride (1/1)	1374
$C_3H_9BF_3N$	Trimethylamine – boron trifluoride (1/1)	1375
$C_3H_9BI_3N$	Trimethylamine – boron triiodide (1/1)	1376
$C_3H_9BI_3P$	Trimethylphosphine – boron triiodide (1/1)	1377
$C_3H_9BO$	Methoxydimethylborane	1378
$C_3H_9BO_2$	Dimethoxymethylborane	1379
$C_3H_9BO_3$	Trimethoxyborane	1380
$C_3H_9BS$	Dimethyl(methylthio)borane	1381
$C_3H_9BS_2$	Methylbis(methylthio)borane	1382
$C_3H_9BS_3$	Tris(methylthio)borane	1383
$C_3H_9Bi$	Trimethylbismuth	1384
$C_3H_9BrGe$	Bromotrimethylgermane	1385
$C_3H_9BrSi$	Bromotrimethylsilane	1386
$C_3H_9Br_2N$	Dibromine – trimethylamine (1/1)	1387
$C_3H_9ClGe$	Chlorotrimethylgermane	1388
$C_3H_9ClOSi$	Chloromethoxydimethylsilane	1389
$C_3H_9ClSi$	Chlorotrimethylsilane	1390
$C_3H_9ClSn$	Chlorotrimethylstannane	1391
$C_3H_9Cl_2Sb$	Dichlorotrimethylantimony	1392
$C_3H_9FSi$	Trimethylfluorosilane	1393
$C_3H_9F_2P$	Difluorotrimethylphosphorane	1394
$C_3H_9F_2Ta$	Difluorotrimethyltantalum	1395
$C_3H_9Ga$	Trimethylgallium	1396
$C_3H_9In$	Trimethylindium	1397
$C_3H_9N$	Trimethylamine	1398
$C_3H_9N$	Cyclopropane – ammonia (1/1)	1399
$C_3H_9NO$	<i>N,N,O</i> -Trimethylhydroxylamine	1400
$C_3H_9NO$	2-Methoxyethylamine	1401
$C_3H_9NO$	2-Amino-1-propanol	1402
$C_3H_9NO$	3-Amino-1-propanol	1403
$C_3H_9NO$	Trimethylamine <i>N</i> -oxide	1404
$C_3H_9NOSSi$	1,1,1-Trimethyl- <i>N</i> -sulfinylsilanamine	1405
$C_3H_9NO_2S$	<i>N,N</i> -Dimethylmethanesulfonamide	1406
$C_3H_9NO_2S$	Trimethylamine – sulfur dioxide (1/1)	1407
$C_3H_9N_3Si$	Azidotrimethylsilane	1408
$C_3H_9OP$	Trimethylphosphine oxide	1409
$C_3H_9O_3P$	Trimethyl phosphite	1410
$C_3H_9O_4P$	Trimethyl phosphate	1411
$C_3H_9P$	Isopropylphosphine	1412
$C_3H_9P$	Trimethylphosphine	1413
$C_3H_9PS$	Dimethyl(methylthio)phosphine	1414
$C_3H_9PS$	Trimethylphosphine sulfide	1415

$C_3H_9PS_3$	Trimethyl trithiophosphite	1416
$C_3H_9PSe$	Trimethylphosphine selenide	1417
$C_3H_9SSb$	Dimethyl(methythio)stibine	1418
$C_3H_9Sb$	Trimethylstibine	1419
$C_3H_9SbSe$	Dimethyl(methylseleno)stibine	1420
$C_3H_9Tl$	Trimethylthallium	1421

### Three Carbon and Ten or More Hydrogen Atoms:

$C_3H_{10}BN$	Dimethyl(methylamino)borane	1422
$C_3H_{10}BrN$	Trimethylamine – hydrogen bromide (1/1)	1423
$C_3H_{10}BrP$	Trimethylphosphine – hydrogen bromide (1/1)	1424
$C_3H_{10}ClN$	Trimethylamine – hydrogen chloride (1/1)	1425
$C_3H_{10}ClP$	Trimethylphosphine – hydrogen chloride (1/1)	1426
$C_3H_{10}FN$	Trimethylamine – hydrogen fluoride (1/1)	1427
$C_3H_{10}Ge$	Trimethylgermane	1428
$C_3H_{10}IN$	Trimethylamine – hydrogen iodide (1/1)	1429
$C_3H_{10}O$	Propane – water (1/1)	1430
$C_3H_{10}OSi$	Methoxydimethylsilane	1431
$C_3H_{10}Si$	Ethylmethylsilane	1432
$C_3H_{10}Si$	Trimethylsilane	1433
$C_3H_{10}Si$	Propylsilane	1434
$C_3H_{10}Sn$	Trimethylstannane	1435
$C_3H_{11}BFN$	Trimethylamine – fluoroborane (1/1)	1436
$C_3H_{11}BN_2$	Methylbis(methylamino)borane	1437
$C_3H_{11}NO$	Trimethylamine – water (1/1)	1438
$C_3H_{11}NSi$	<i>N,N</i> ,1-Trimethylsilanamine	1439
$C_3H_{12}AlN$	Trimethylamine – aluminum hydride (1/1)	1440
$C_3H_{12}BN$	Trimethylamine – borane (1/1)	1441
$C_3H_{12}BN_3$	Tris(methylamino)borane	1442
$C_3H_{12}BP$	Trimethylphosphine – borane (1/1)	1443
$C_3H_{12}GaN$	Trimethylamine – gallium hydride (1/1)	1444
$C_3H_{12}GaN$	Trimethylgallium – ammonia (1/1)	1445
$C_3H_{13}NSi_2$	<i>N,N</i> -Bis(methylsilyl)methylamine	1446
$C_3H_{13}NSi_2$	2-Isopropyldisilazane	1447
$C_3H_{14}B_4$	2,4-(1-Methyl-1,2-ethanediyl)tetraborane(10)	1448
$C_3H_{15}NSi_3$	Tris(methylsilyl)amine	1449

**Three Carbon and no Hydrogen Atoms,  
with Atoms I, N, O or S:**

$C_3IN$	3-Iodo-2-propynenitrile	1450
$C_3N$	Cyanoethynyl	1451
$C_3N_2O$	Carbonyl cyanide	1452
$C_3N_3P$	Tricyanophosphine	1453
$C_3O$	Tricarbon monoxide	1454
$C_3OS$	3-Thioxo-1,2-propadien-1-one	1455
$C_3O_2$	Tricarbon dioxide	1456
$C_3O_6$	Carbon dioxide trimer	1457
$C_3S$	Tricarbon monosulfide	1458
$C_3S_2$	Tricarbon disulfide	1459

# Four Carbon and no Hydrogen Atom, with Atoms Br, Cl, Cu or F:

C <sub>4</sub>	Tetracarbon	1460
C <sub>4</sub> Br <sub>2</sub> O <sub>2</sub>	3,4-Dibromo-3-cyclobutene-1,2-dione	1461
C <sub>4</sub> Cl <sub>2</sub> F <sub>4</sub>	1,2-Dichloro-3,3,4,4-tetrafluorocyclobutene	1462
C <sub>4</sub> Cl <sub>2</sub> F <sub>6</sub>	1,1-Dichlorohexafluorocyclobutane	1463
C <sub>4</sub> Cl <sub>2</sub> O <sub>2</sub>	3,4-Dichloro-3-cyclobutene-1,2-dione	1464
C <sub>4</sub> Cl <sub>2</sub> O <sub>3</sub>	Dichloromaleic anhydride	1465
C <sub>4</sub> Cl <sub>6</sub>	Hexachloro-1,3-butadiene	1466
C <sub>4</sub> Cu <sub>2</sub> F <sub>6</sub> O <sub>4</sub>	Dicopper bis(trifluoroacetate)	1467
C <sub>4</sub> F <sub>4</sub> O <sub>3</sub>	3,3,4,4-Tetrafluorooxolan-2,5-dione	1468
C <sub>4</sub> F <sub>6</sub>	Hexafluoro-2-butyne	1469
C <sub>4</sub> F <sub>6</sub>	Hexafluoro-1,3-butadiene	1470
C <sub>4</sub> F <sub>6</sub>	Hexafluorocyclobutene	1471
C <sub>4</sub> F <sub>6</sub> NS <sub>2</sub>	4,5-Bis(trifluoromethyl)-1,3,2-dithiazolyl	1472
C <sub>4</sub> F <sub>6</sub> OS <sub>2</sub>	Bis[(trifluoromethyl)thio]ethenone	1473
C <sub>4</sub> F <sub>6</sub> O <sub>3</sub>	Hexafluoroacetic anhydride	1474
C <sub>4</sub> F <sub>6</sub> S	Hexafluoro-2,5-dihydrothiophene	1475
C <sub>4</sub> F <sub>6</sub> S <sub>2</sub>	3,4-Bis(trifluoromethyl)-1,2-dithiete	1476
C <sub>4</sub> F <sub>6</sub> Se <sub>2</sub>	3,4-Bis(trifluoromethyl)-1,2-diselenete	1477
C <sub>4</sub> F <sub>7</sub> NO	1,2,2,3,3,4,4-Heptafluoro-1-nitrosocyclobutane	1478
C <sub>4</sub> F <sub>8</sub>	Octafluorocyclobutane	1479
C <sub>4</sub> F <sub>8</sub> N <sub>3</sub> P	2,2-Difluoro-4,6-bis(trifluoromethyl)-	1480
C <sub>4</sub> F <sub>8</sub> OS	Octafluorotetrahydrothiophene 1-oxide	1481
C <sub>4</sub> F <sub>8</sub> O <sub>2</sub> S	Octafluorotetrahydrothiophene 1,1-dioxide	1482
C <sub>4</sub> F <sub>8</sub> S	Octafluorotetrahydrothiophene	1483
C <sub>4</sub> F <sub>9</sub> I	Tris(trifluoromethyl)methyl iodide	1484
C <sub>4</sub> F <sub>10</sub> P <sub>2</sub>	2,2,4,4-Tetrafluoro-1,3-bis(trifluoromethyl)-	1485
C <sub>4</sub> F <sub>12</sub> Ge	Tetrakis(trifluoromethyl)germane	1486
C <sub>4</sub> F <sub>12</sub> N <sub>2</sub>	Tetrakis(trifluoromethyl)hydrazine	1487
C <sub>4</sub> F <sub>12</sub> P <sub>2</sub>	Tetrakis(trifluoromethyl)diphosphane	1488
C <sub>4</sub> F <sub>12</sub> S	Octafluorotetrahydrothiophene tetrafluoride	1489
C <sub>4</sub> F <sub>12</sub> Sn	Tetrakis(trifluoromethyl)tin	1490



**Four Carbon and One Hydrogen Atom:**

C <sub>4</sub> H	1,3-Butadiynyl	1491
C <sub>4</sub> HBr	1-Bromo-1,3-butadiyne	1492
C <sub>4</sub> HCl	1-Chloro-1,3-butadiyne	1493
C <sub>4</sub> HCoO <sub>4</sub>	Tetracarbonylhydrocobalt	1494
C <sub>4</sub> HF <sub>9</sub>	1,1,1,3,3,3-Hexafluoro-2-(trifluoromethyl)propane	1495
C <sub>4</sub> HF <sub>9</sub> O	1,1,1,3,3,3-Hexafluoro-2-(trifluoromethyl)-2-propanol	1496
C <sub>4</sub> HNO	2-Propynenitrile – carbon monoxide (1/1)	1497
C <sub>4</sub> HNO <sub>2</sub>	2-Propynenitrile – carbon dioxide (1/1)	1498
C <sub>4</sub> HNO <sub>6</sub>	Hydrogen cyanide – carbon dioxide (1/3)	1499

**Four Carbon and Two Hydrogen Atoms:**

$C_4H_2$	1,3-Butadiyne	1500
$C_4H_2^+$	1,3-Butadiyne cation	1501
$C_4H_2Cl_2N_2$	3,6-Dichloropyridazine	1502
$C_4H_2Cl_2O_2$	( <i>E</i> )-1,4-Dioxo-2-butenyl dichloride	1503
$C_4H_2Cl_4$	( <i>E,E</i> )-1,2,3,4-Tetrachloro-1,3-butadiene	1504
$C_4H_2F_4$	3,3,4,4-Tetrafluorocyclobutene	1505
$C_4H_2F_6$	( <i>Z</i> )-1,1,1,4,4,4-Hexafluoro-2-butene	1506
$C_4H_2F_6$	( <i>E</i> )-1,1,1,4,4,4-Hexafluoro-2-butene	1507
$C_4H_2F_6$	1,1-Bis(trifluoromethyl)ethene	1508
$C_4H_2FeO_4$	Dihydrotetracarbonyliron(II)	1509
$C_4H_2I_2$	Iodoacetylene dimer	1510
$C_4H_2O$	1,2,3-Butatrien-1-one	1511
$C_4H_2O_3$	2,5-Furandione	1512

**Four Carbon and Three Hydrogen Atoms:**

$C_4H_3BrO$	2-Bromofuran	1513
$C_4H_3BrO$	3-Bromofuran	1514
$C_4H_3BrS$	2-Bromothiophene	1515
$C_4H_3BrS$	3-Bromothiophene	1516
$C_4H_3ClO$	2-Chlorofuran	1517
$C_4H_3ClO_2S_2$	2-Thiophenesulfonyl chloride	1518
$C_4H_3ClS$	2-Chlorothiophene	1519
$C_4H_3ClS$	3-Chlorothiophene	1520
$C_4H_3Cl_2PS$	Dichloro-2-thienylphosphine	1521
$C_4H_3CoGeO_4$	Tetracarbonylgermylcobalt	1522
$C_4H_3CoO_4Si$	Tetracarbonyl(silyl)cobalt(I)	1523
$C_4H_3F_3$	1,1,1-Trifluoro-2-butyne	1524
$C_4H_3N$	2-Propynyl isocyanide	1525
$C_4H_3N$	Methylcyanoacetylene	1526
$C_4H_3N$	3-Butynenitrile	1527
$C_4H_3N$	3-Cyanocyclopropene	1528
$C_4H_3NO_2$	1 <i>H</i> -Pyrrole-2,5-dione	1529
$C_4H_3NS$	3-Thiocyanato-1-propyne	1530

## Four Carbon and Four Hydrogen Atoms:

C <sub>4</sub> H <sub>4</sub>	Butatriene	1531
C <sub>4</sub> H <sub>4</sub>	Vinylacetylene	1532
C <sub>4</sub> H <sub>4</sub>	Methylenecyclopropene	1533
C <sub>4</sub> H <sub>4</sub>	Acetylene dimer	1534
C <sub>4</sub> H <sub>4</sub> ArO	Furan – argon (1/1)	1535
C <sub>4</sub> H <sub>4</sub> ArS	Thiophene – argon (1/1)	1536
C <sub>4</sub> H <sub>4</sub> Ar <sub>2</sub> O	Furan – argon (1/2)	1537
C <sub>4</sub> H <sub>4</sub> Br <sub>4</sub>	1,2,3,4-Tetrabromocyclobutane	1538
C <sub>4</sub> H <sub>4</sub> Cl <sub>2</sub>	( <i>Z,Z</i> )-1,4-Dichloro-1,3-butadiene	1539
C <sub>4</sub> H <sub>4</sub> Cl <sub>2</sub>	( <i>E,Z</i> )-1,4-Dichloro-1,3-butadiene	1540
C <sub>4</sub> H <sub>4</sub> Cl <sub>2</sub>	( <i>E,E</i> )-1,4-Dichloro-1,3-butadiene	1541
C <sub>4</sub> H <sub>4</sub> Cl <sub>2</sub>	2,3-Dichloro-1,3-butadiene	1542
C <sub>4</sub> H <sub>4</sub> Cl <sub>2</sub>	<i>cis</i> -3,4-Dichlorocyclobutene	1543
C <sub>4</sub> H <sub>4</sub> Cl <sub>2</sub> OSi	2,2-Dichloro-1-oxa-2-sila-3,5-cyclohexadiene	1544
C <sub>4</sub> H <sub>4</sub> Cl <sub>4</sub> Ge <sub>2</sub>	1,1,4,4-Tetrachloro-1,4-digerma-2,5-cyclohexadiene	1545
C <sub>4</sub> H <sub>4</sub> F <sub>2</sub>	1,4-Difluoro-2-butyne	1546
C <sub>4</sub> H <sub>4</sub> F <sub>4</sub> O <sub>2</sub> P <sub>2</sub>	1,4-Bis(difluorophosphinoxy)-2-butyne	1547
C <sub>4</sub> H <sub>4</sub> F <sub>6</sub>	1,1,1,4,4,4-Hexafluorobutane	1548
C <sub>4</sub> H <sub>4</sub> Ge <sub>2</sub> I <sub>4</sub>	1,1,4,4-Tetraiodo-1,4-digerma-2,5-cyclohexadiene	1549
C <sub>4</sub> H <sub>4</sub> N <sub>2</sub>	Succinonitrile	1550
C <sub>4</sub> H <sub>4</sub> N <sub>2</sub>	Ethylene diisocyanide	1551
C <sub>4</sub> H <sub>4</sub> N <sub>2</sub>	Pyridazine	1552
C <sub>4</sub> H <sub>4</sub> N <sub>2</sub>	Pyrimidine	1553
C <sub>4</sub> H <sub>4</sub> N <sub>2</sub>	Pyrazine	1554
C <sub>4</sub> H <sub>4</sub> N <sub>2</sub> O <sub>2</sub>	2,4(1 <i>H</i> ,3 <i>H</i> )-Pyrimidinedione	1555
C <sub>4</sub> H <sub>4</sub> N <sub>6</sub>	2,3-Diazido-1,3-butadiene	1556
C <sub>4</sub> H <sub>4</sub> N <sub>6</sub> O <sub>6</sub>	2-Methyl-4-trinitromethyl-2 <i>H</i> -1,2,3-triazole	1557
C <sub>4</sub> H <sub>4</sub> O	2-Ethynyloxirane	1558
C <sub>4</sub> H <sub>4</sub> O	Furan	1559
C <sub>4</sub> H <sub>4</sub> O	Diacetylene – water (1/1)	1560
C <sub>4</sub> H <sub>4</sub> O	Ketene – acetylene (1/1)	1561
C <sub>4</sub> H <sub>4</sub> O	Methylacetylene – carbon monoxide (1/1)	1562
C <sub>4</sub> H <sub>4</sub> O <sub>2</sub>	( <i>E</i> )-2-Butenedial	1563
C <sub>4</sub> H <sub>4</sub> O <sub>2</sub>	1,2-Cylobutanedione	1564
C <sub>4</sub> H <sub>4</sub> O <sub>2</sub>	1,4-Dioxin	1565
C <sub>4</sub> H <sub>4</sub> O <sub>3</sub>	Oxolan-2,5-dione	1566
C <sub>4</sub> H <sub>4</sub> O <sub>3</sub>	Cyclobutadiene ozonide	1567
C <sub>4</sub> H <sub>4</sub> O <sub>3</sub>	2,4-Dioxabicyclo[3.1.0]hexan-3-one	1568
C <sub>4</sub> H <sub>4</sub> O <sub>3</sub> S	Furan – sulfur dioxide (1/1)	1569
C <sub>4</sub> H <sub>4</sub> S	Thiophene	1570
C <sub>4</sub> H <sub>4</sub> S <sub>2</sub>	1,2-Dithiin	1571
C <sub>4</sub> H <sub>4</sub> Se	Selenophene	1572

## Four Carbon and Five Hydrogen Atoms:

$C_4H_5ArN$	Argon – pyrrole (1/1)	1573
$C_4H_5BrCl_2$	1,1-Dichloro-2-(bromomethyl)cyclopropane	1574
$C_4H_5Cl$	( <i>Z</i> )-1-Chloro-1,3-butadiene	1575
$C_4H_5Cl$	( <i>E</i> )-1-Chloro-1,3-butadiene	1576
$C_4H_5Cl$	2-Chloro-1,3-butadiene	1577
$C_4H_5Cl$	4-Chloro-1,2-butadiene	1578
$C_4H_5Cl$	1-Chloro-2-butyne	1579
$C_4H_5Cl$	Vinylacetylene – hydrogen chloride (1/1)	1580
$C_4H_5ClO$	( <i>E</i> )-2-Butenoyl chloride	1581
$C_4H_5ClO$	2-Methyl-2-propenoyl chloride	1582
$C_4H_5ClO$	Cyclopropanecarbonyl chloride	1583
$C_4H_5ClO$	Furan – hydrogen chloride (1/1)	1584
$C_4H_5F$	Vinylacetylene – hydrogen fluoride (1/1)	1585
$C_4H_5F_3$	3,3,3-Trifluoro-2-methylpropene	1586
$C_4H_5N$	3-Butenenitrile	1587
$C_4H_5N$	( <i>Z</i> )-2-Butenenitrile	1588
$C_4H_5N$	( <i>E</i> )-2-Butenenitrile	1589
$C_4H_5N$	Methacrylonitrile	1590
$C_4H_5N$	Cyclopropyl cyanide	1591
$C_4H_5N$	Isocyanocyclopropane	1592
$C_4H_5N$	Pyrrole	1593
$C_4H_5N$	Acetylene – acetonitrile (1/1)	1594
$C_4H_5N$	Methyl isocyanide – acetylene (1/1)	1595
$C_4H_5N$	1,3-Butadiyne – ammonia (1/1)	1596
$C_4H_5NO$	( <i>Z</i> )-3-Methoxy-2-propenenitrile	1597
$C_4H_5NO$	( <i>E</i> )-3-Methoxy-2-propenenitrile	1598
$C_4H_5NO$	Cyclopropyl isocyanate	1599
$C_4H_5NO$	2-Methyloxazole	1600
$C_4H_5NO$	3-Methylisoxazole	1601
$C_4H_5NO$	4-Methyloxazole	1602
$C_4H_5NO$	5-Methyloxazole	1603
$C_4H_5NO$	5-Methylisoxazole	1604
$C_4H_5NO_2S$	( <i>Z</i> )-3-(Methylsulfonyl)-2-propenenitrile	1605
$C_4H_5NO_2S$	( <i>E</i> )-3-(Methylsulfonyl)-2-propenenitrile	1606
$C_4H_5NS$	Cyclopropyl isothiocyanate	1607
$C_4H_5N_3$	2-Azido-1,3-butadiene	1608
$C_4H_5N_3$	1-Azido-2-butyne	1609
$C_4H_5N_3$	2-Aminopyrimidine	1610

## Four Carbon and Six Hydrogen Atoms:

C <sub>4</sub> H <sub>6</sub>	1,2-Butadiene	1611
C <sub>4</sub> H <sub>6</sub>	1,3-Butadiene	1612
C <sub>4</sub> H <sub>6</sub>	1-Butyne	1613
C <sub>4</sub> H <sub>6</sub>	2-Butyne	1614
C <sub>4</sub> H <sub>6</sub>	Methylenecyclopropane	1615
C <sub>4</sub> H <sub>6</sub>	1-Methylcyclopropene	1616
C <sub>4</sub> H <sub>6</sub>	Cyclobutene	1617
C <sub>4</sub> H <sub>6</sub>	Bicyclo[1.1.0]butane	1618
C <sub>4</sub> H <sub>6</sub>	Ethylene – acetylene (1/1)	1619
C <sub>4</sub> H <sub>6</sub> BF <sub>6</sub> N	(Dimethylamino)bis(trifluoromethyl)borane	1620
C <sub>4</sub> H <sub>6</sub> B <sub>2</sub>	2,3,4,5-Tetracarbahexaborane(6)	1621
C <sub>4</sub> H <sub>6</sub> BrCl	<i>cis</i> -1-Bromo-3-chlorocyclobutane	1622
C <sub>4</sub> H <sub>6</sub> BrCl	<i>trans</i> -1-Bromo-3-chlorocyclobutane	1623
C <sub>4</sub> H <sub>6</sub> BrN	4-Bromobutanenitrile	1624
C <sub>4</sub> H <sub>6</sub> Br <sub>2</sub>	<i>cis</i> -1,3-Dibromocyclobutane	1625
C <sub>4</sub> H <sub>6</sub> Br <sub>2</sub>	<i>trans</i> -1,3-Dibromocyclobutane	1626
C <sub>4</sub> H <sub>6</sub> Br <sub>2</sub> O <sub>2</sub> S	<i>trans</i> -3,4-Dibromotetrahydrothiophene 1,1-dioxide	1627
C <sub>4</sub> H <sub>6</sub> CIN	4-Chlorobutanenitrile	1628
C <sub>4</sub> H <sub>6</sub> ClOP	Divinylphosphinic chloride	1629
C <sub>4</sub> H <sub>6</sub> ClOP	1-Chloro-2,3-dihydro-1 <i>H</i> -phosphole 1-oxide	1630
C <sub>4</sub> H <sub>6</sub> ClOP	1-Chloro-2,5-dihydro-1 <i>H</i> -phosphole 1-oxide	1631
C <sub>4</sub> H <sub>6</sub> ClO <sub>2</sub> P	2-Chloro-4,5-dimethyl-1,3,2-dioxaphosphole	1632
C <sub>4</sub> H <sub>6</sub> Cl <sub>2</sub>	( <i>Z</i> )-1,4-Dichloro-2-butene	1633
C <sub>4</sub> H <sub>6</sub> Cl <sub>2</sub>	3-Chloro-2-chloromethyl-1-propene	1634
C <sub>4</sub> H <sub>6</sub> Cl <sub>2</sub> Si	1,1-Dichlorosilacyclopent-3-ene	1635
C <sub>4</sub> H <sub>6</sub> Cu <sub>2</sub> O <sub>4</sub>	Di- $\mu$ -acetato-dicopper(I)	1636
C <sub>4</sub> H <sub>6</sub> F <sub>2</sub> Si	1,1-Difluorosilacyclopent-3-ene	1637
C <sub>4</sub> H <sub>6</sub> N <sub>4</sub>	2-Methyl-5-vinyl-2 <i>H</i> -tetrazole	1638
C <sub>4</sub> H <sub>6</sub> O	Divinyl ether	1639
C <sub>4</sub> H <sub>6</sub> O	( <i>E</i> )-2-Butenal	1640
C <sub>4</sub> H <sub>6</sub> O	2,3-Butadien-1-ol	1641
C <sub>4</sub> H <sub>6</sub> O	1-Methoxypropadiene	1642
C <sub>4</sub> H <sub>6</sub> O	3-Buten-2-one	1643
C <sub>4</sub> H <sub>6</sub> O	Dimethylketene	1644
C <sub>4</sub> H <sub>6</sub> O	2-Methyl-2-propenal	1645
C <sub>4</sub> H <sub>6</sub> O	3-Methoxy-1-propyne	1646
C <sub>4</sub> H <sub>6</sub> O	3-Butyn-2-ol	1647
C <sub>4</sub> H <sub>6</sub> O	Cyclopropylmethanal	1648
C <sub>4</sub> H <sub>6</sub> O	2-Ethenyloxirane	1649
C <sub>4</sub> H <sub>6</sub> O	3-Methyleneoxetane	1650
C <sub>4</sub> H <sub>6</sub> O	Cyclobutanone	1651
C <sub>4</sub> H <sub>6</sub> O	2,5-Dihydrofuran	1652
C <sub>4</sub> H <sub>6</sub> O	1-Oxaspiro[2.2]pentane	1653
C <sub>4</sub> H <sub>6</sub> O	Ketene – ethylene (1/1)	1654
C <sub>4</sub> H <sub>6</sub> O	Oxirane – acetylene (1/1)	1655
C <sub>4</sub> H <sub>6</sub> OS	Divinyl sulfoxide	1656
C <sub>4</sub> H <sub>6</sub> OSi	2-Furylsilane	1657
C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	( <i>E</i> )-2-Butenoic acid	1658
C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Methyl acrylate	1659
C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	2,3-Butanedione	1660
C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Cyclopropanecarboxylic acid	1661
C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	2,2'-Bioxirane	1662
C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	4-Methyl-2-oxetanone	1663

C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	3,6-Dihydro-1,2-dioxin	1664
C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	2,3-Dihydro-1,4-dioxin	1665
C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> S	Divinyl sulfone	1666
C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> S	2,5-Dihydrothiophene 1,1-dioxide	1667
C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> S	1,3-Butadiene – sulfur dioxide (1/1)	1668
C <sub>4</sub> H <sub>6</sub> O <sub>3</sub>	Acetic anhydride	1669
C <sub>4</sub> H <sub>6</sub> O <sub>3</sub>	1,3-Dioxan-2-one	1670
C <sub>4</sub> H <sub>6</sub> O <sub>3</sub>	2,3,7-Trioxabicyclo[2.2.1]heptane	1671
C <sub>4</sub> H <sub>6</sub> S	Methyl 1,2-propadienyl sulfide	1672
C <sub>4</sub> H <sub>6</sub> S	Divinyl sulfide	1673
C <sub>4</sub> H <sub>6</sub> S <sub>2</sub>	Bis(methylthio)ethyne	1674

## Four Carbon and Seven Hydrogen Atoms:

C <sub>4</sub> H <sub>7</sub> Br	3-Bromo-2-methyl-1-propene	1675
C <sub>4</sub> H <sub>7</sub> Br	4-Bromo-1-butene	1676
C <sub>4</sub> H <sub>7</sub> Br	(Bromomethyl)cyclopropane	1677
C <sub>4</sub> H <sub>7</sub> Br	Bromocyclobutane	1678
C <sub>4</sub> H <sub>7</sub> BrO	3-Bromotetrahydrofuran	1679
C <sub>4</sub> H <sub>7</sub> Cl	1-Chloro-2-methyl-1-propene	1680
C <sub>4</sub> H <sub>7</sub> Cl	3-Chloro-2-methyl-1-propene	1681
C <sub>4</sub> H <sub>7</sub> Cl	( <i>E</i> )-1-Chloro-2-butene	1682
C <sub>4</sub> H <sub>7</sub> Cl	3-Chloro-1-butene	1683
C <sub>4</sub> H <sub>7</sub> Cl	4-Chloro-1-butene	1684
C <sub>4</sub> H <sub>7</sub> Cl	(Chloromethyl)cyclopropane	1685
C <sub>4</sub> H <sub>7</sub> Cl	Chlorocyclobutane	1686
C <sub>4</sub> H <sub>7</sub> Cl	Methylenecyclopropane – hydrogen chloride (1/1)	1687
C <sub>4</sub> H <sub>7</sub> ClO	Isobutyryl chloride	1688
C <sub>4</sub> H <sub>7</sub> ClO	2,5-Dihydrofuran – hydrogen chloride (1/1)	1689
C <sub>4</sub> H <sub>7</sub> Cl <sub>2</sub> P	(2-Methyl-1-propenyl)phosphonous dichloride	1690
C <sub>4</sub> H <sub>7</sub> F	3-Fluoro-2-methyl-1-propene	1691
C <sub>4</sub> H <sub>7</sub> F	4-Fluoro-1-butene	1692
C <sub>4</sub> H <sub>7</sub> F	Fluorocyclobutane	1693
C <sub>4</sub> H <sub>7</sub> F	Methylenecyclopropane – hydrogen fluoride (1/1)	1694
C <sub>4</sub> H <sub>7</sub> FO	Isobutyryl fluoride	1695
C <sub>4</sub> H <sub>7</sub> FO	2,5-Dihydrofuran – hydrogen fluoride (1/1)	1696
C <sub>4</sub> H <sub>7</sub> F <sub>3</sub> O	1,1,1-Trifluoro-2-methyl-2-propanol	1697
C <sub>4</sub> H <sub>7</sub> N	Isobutyronitrile	1698
C <sub>4</sub> H <sub>7</sub> N	<i>N</i> -Methyl-2-propynylamine	1699
C <sub>4</sub> H <sub>7</sub> N	3-Butynylamine	1700
C <sub>4</sub> H <sub>7</sub> N	3,4-Dihydro-2 <i>H</i> -pyrrole	1701
C <sub>4</sub> H <sub>7</sub> N	Cyclopropane – hydrogen cyanide (1/1)	1702
C <sub>4</sub> H <sub>7</sub> NO	3-Methoxypropionitrile	1703
C <sub>4</sub> H <sub>7</sub> NO	Propyl isocyanate	1704
C <sub>4</sub> H <sub>7</sub> NO	Isopropyl isocyanate	1705
C <sub>4</sub> H <sub>7</sub> NO	<i>N</i> -Acetylaziridine	1706
C <sub>4</sub> H <sub>7</sub> NO	Pyrrole – water (1/1)	1707
C <sub>4</sub> H <sub>7</sub> NO <sub>2</sub>	Diacetamide	1708
C <sub>4</sub> H <sub>7</sub> NS	Isopropyl isothiocyanate	1709
C <sub>4</sub> H <sub>7</sub> NSi	<i>N</i> -Silylpyrrole	1710
C <sub>4</sub> H <sub>7</sub> P	2,5-Dihydro-1 <i>H</i> -phosphole	1711



## Four Carbon and Eight Hydrogen Atoms:

C <sub>4</sub> H <sub>8</sub>	1-Butene	1712
C <sub>4</sub> H <sub>8</sub>	( <i>E</i> )-2-Butene	1713
C <sub>4</sub> H <sub>8</sub>	( <i>Z</i> )-2-Butene	1714
C <sub>4</sub> H <sub>8</sub>	2-Methyl-1-propene	1715
C <sub>4</sub> H <sub>8</sub>	Methylcyclopropane	1716
C <sub>4</sub> H <sub>8</sub>	Cyclobutane	1717
C <sub>4</sub> H <sub>8</sub> AsCl	1-Chloroarsolane	1718
C <sub>4</sub> H <sub>8</sub> BrCl	2-Bromo-1-chloro-2-methylpropane	1719
C <sub>4</sub> H <sub>8</sub> Br <sub>2</sub>	1,3-Dibromobutane	1720
C <sub>4</sub> H <sub>8</sub> Br <sub>2</sub>	1,4-Dibromobutane	1721
C <sub>4</sub> H <sub>8</sub> ClN	<i>N</i> -Chloropyrrolidine	1722
C <sub>4</sub> H <sub>8</sub> Cl <sub>2</sub>	1,3-Dichlorobutane	1723
C <sub>4</sub> H <sub>8</sub> Cl <sub>2</sub>	1,4-Dichlorobutane	1724
C <sub>4</sub> H <sub>8</sub> F <sub>2</sub>	1,4-Difluorobutane	1725
C <sub>4</sub> H <sub>8</sub> F <sub>2</sub> Si	1,1-Difluorosilacyclopentane	1726
C <sub>4</sub> H <sub>8</sub> Ge	1,1-Dimethyl-1 <i>H</i> -germirene	1727
C <sub>4</sub> H <sub>8</sub> N <sub>2</sub>	3-(Methylamino)propanenitrile	1728
C <sub>4</sub> H <sub>8</sub> N <sub>2</sub>	( <i>E,E</i> )-Acetaldehyde ethylidenehydrazone	1729
C <sub>4</sub> H <sub>8</sub> N <sub>2</sub>	1,1'-Biaziridine	1730
C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub>	<i>N</i> -Nitropyrrolidine	1731
C <sub>4</sub> H <sub>8</sub> O	( <i>E</i> )-2-Buten-1-ol	1732
C <sub>4</sub> H <sub>8</sub> O	( <i>Z</i> )-2-Buten-1-ol	1733
C <sub>4</sub> H <sub>8</sub> O	3-Buten-2-ol	1734
C <sub>4</sub> H <sub>8</sub> O	2-Butanone	1735
C <sub>4</sub> H <sub>8</sub> O	Isobutyraldehyde	1736
C <sub>4</sub> H <sub>8</sub> O	Ethyl vinyl ether	1737
C <sub>4</sub> H <sub>8</sub> O	2-Methoxy-1-propene	1738
C <sub>4</sub> H <sub>8</sub> O	2-Methyl-2-propen-1-ol	1739
C <sub>4</sub> H <sub>8</sub> O	3-Buten-1-ol	1740
C <sub>4</sub> H <sub>8</sub> O	2-Ethyloxirane	1741
C <sub>4</sub> H <sub>8</sub> O	<i>cis</i> -2,3-Dimethyloxirane	1742
C <sub>4</sub> H <sub>8</sub> O	<i>trans</i> -2,3-Dimethyloxirane	1743
C <sub>4</sub> H <sub>8</sub> O	2-Methyloxetane	1744
C <sub>4</sub> H <sub>8</sub> O	Tetrahydrofuran	1745
C <sub>4</sub> H <sub>8</sub> OS	3-Methoxythietane	1746
C <sub>4</sub> H <sub>8</sub> OS	Tetrahydrothiophene 1-oxide	1747
C <sub>4</sub> H <sub>8</sub> OS	1,4-Oxathiane	1748
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl acetate	1749
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	1-(2-Oxiranyl)ethanol	1750
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	2,3-Epoxy-1-butanol	1751
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	2-Methyl-1,3-dioxolane	1752
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	1,3-Dioxane	1753
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	1,4-Dioxane	1754
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub> S	Sulfolane	1755
C <sub>4</sub> H <sub>8</sub> O <sub>3</sub>	Ethyl glycolate	1756
C <sub>4</sub> H <sub>8</sub> O <sub>3</sub> S	<i>cis</i> -4,5-Dimethyl-1,3,2-dioxathiolane 2-oxide	1757
C <sub>4</sub> H <sub>8</sub> O <sub>3</sub> S	<i>trans</i> -4,5-Dimethyl-1,3,2-dioxathiolane 2-oxide	1758
C <sub>4</sub> H <sub>8</sub> O <sub>4</sub>	1,3,5,7-Tetraoxacyclooctane	1759
C <sub>4</sub> H <sub>8</sub> O <sub>4</sub>	Acetic acid dimer	1760
C <sub>4</sub> H <sub>8</sub> S	Ethyl vinyl sulfide	1761
C <sub>4</sub> H <sub>8</sub> S	3-Butene-1-thiol	1762
C <sub>4</sub> H <sub>8</sub> S	Allyl methyl sulfide	1763
C <sub>4</sub> H <sub>8</sub> S	Cyclopropyl methyl sulfide	1764

C <sub>4</sub> H <sub>8</sub> S	Cyclopropanemethanethiol	1765
C <sub>4</sub> H <sub>8</sub> S	2,2-Dimethylthiirane	1766
C <sub>4</sub> H <sub>8</sub> S	3-Methylthietane	1767
C <sub>4</sub> H <sub>8</sub> S	Tetrahydrothiophene	1768
C <sub>4</sub> H <sub>8</sub> S <sub>2</sub>	1,1-Bis(methylthio)ethylene	1769
C <sub>4</sub> H <sub>8</sub> S <sub>2</sub>	1,3-Dithiane	1770
C <sub>4</sub> H <sub>8</sub> Se	Tetrahydroselenophene	1771
C <sub>4</sub> H <sub>8</sub> Si	Silacyclopent-3-ene	1772

## Four Carbon and Nine Hydrogen Atoms:

$C_4H_9Br$	1-Bromobutane	1773
$C_4H_9Br$	<i>t</i> -Butyl bromide	1774
$C_4H_9Cl$	1-Chlorobutane	1775
$C_4H_9Cl$	2-Chlorobutane	1776
$C_4H_9Cl$	<i>t</i> -Butyl chloride	1777
$C_4H_9Cl$	Isobutyl chloride	1778
$C_4H_9Cl$	Methylcyclopropane – hydrogen chloride (1/1)	1779
$C_4H_9ClO$	4-Chloro-1-butanol	1780
$C_4H_9ClSi$	Chlorodimethylvinylsilane	1781
$C_4H_9Cl_2P$	<i>t</i> -Butyldichlorophosphine	1782
$C_4H_9F$	<i>t</i> -Butyl fluoride	1783
$C_4H_9F_2P$	<i>t</i> -Butyldifluorophosphine	1784
$C_4H_9F_3IN$	Trimethylamine – trifluoroiodomethane (1/1)	1785
$C_4H_9GeN$	Trimethylcyanogermane	1786
$C_4H_9I$	1-Iodobutane	1787
$C_4H_9N$	<i>N</i> -Methylallylamine	1788
$C_4H_9N$	3-Butenylamine	1789
$C_4H_9N$	(Aminomethyl)cyclopropane	1790
$C_4H_9N$	2,2-Dimethylaziridine	1791
$C_4H_9N$	Pyrrolidine	1792
$C_4H_9NOSi$	Trimethylsilyl isocyanate	1793
$C_4H_9NO_2$	2-Methyl-2-nitropropane	1794
$C_4H_9NO_2$	<i>t</i> -Butyl nitrite	1795
$C_4H_9NO_2$	Alanine methyl ester	1796
$C_4H_9NS$	Tetrahydro-1,4-thiazine	1797
$C_4H_9NSSi$	Trimethylsilyl isothiocyanate	1798
$C_4H_9NSi$	Trimethylsilyl cyanide	1799
$C_4H_9OP$	Acetyldimethylphosphine	1800

## Four Carbon and Ten or More Hydrogen Atoms:

C <sub>4</sub> H <sub>10</sub>	Butane	1801
C <sub>4</sub> H <sub>10</sub>	Isobutane	1802
C <sub>4</sub> H <sub>10</sub> BClN <sub>2</sub>	2-Chloro-1,3-dimethyl-1,3,2-diazaborolidine	1803
C <sub>4</sub> H <sub>10</sub> Cd	Diethylcadmium	1804
C <sub>4</sub> H <sub>10</sub> ClN	<i>N</i> -Chloro- <i>N</i> -ethylethanamine	1805
C <sub>4</sub> H <sub>10</sub> ClN <sub>2</sub> P	2-Chloro-1,3-dimethyl-1,3,2-diazaphospholidine	1806
C <sub>4</sub> H <sub>10</sub> ClP	Chlorodiethylphosphine	1807
C <sub>4</sub> H <sub>10</sub> Cl <sub>2</sub> Si	Bis(chloromethyl)dimethylsilane	1808
C <sub>4</sub> H <sub>10</sub> Ge	Cyclobutylgermane	1809
C <sub>4</sub> H <sub>10</sub> Ge	Germanocyclopentane	1810
C <sub>4</sub> H <sub>10</sub> GeO <sub>2</sub>	Trimethylgermyl formate	1811
C <sub>4</sub> H <sub>10</sub> NP	Trimethylphosphine – hydrogen cyanide (1/1)	1812
C <sub>4</sub> H <sub>10</sub> N <sub>2</sub>	( <i>E</i> )-(Acetaldehyde dimethylhydrazone)	1813
C <sub>4</sub> H <sub>10</sub> N <sub>2</sub>	1,2-Dimethyl-1,2-diazetidene	1814
C <sub>4</sub> H <sub>10</sub> N <sub>2</sub>	Piperazine	1815
C <sub>4</sub> H <sub>10</sub> N <sub>2</sub>	Trimethylamine – hydrogen cyanide (1/1)	1816
C <sub>4</sub> H <sub>10</sub> O	Methyl propyl ether	1817
C <sub>4</sub> H <sub>10</sub> O	Isopropyl methyl ether	1818
C <sub>4</sub> H <sub>10</sub> O	Diethyl ether	1819
C <sub>4</sub> H <sub>10</sub> O	<i>t</i> -Butyl alcohol	1820
C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	3-Methoxy-1-propanol	1821
C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	1,2-Dimethoxyethane	1822
C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	1,4-Butanediol	1823
C <sub>4</sub> H <sub>10</sub> O <sub>3</sub>	Trimethoxymethane	1824
C <sub>4</sub> H <sub>10</sub> O <sub>4</sub> S <sub>2</sub>	1,2-Bis(methylsulfonyl)ethane	1825
C <sub>4</sub> H <sub>10</sub> SSi	3,3-Dimethyl-1-thia-3-silacyclobutane	1826
C <sub>4</sub> H <sub>10</sub> Si	(Cyclopropylmethyl)silane	1827
C <sub>4</sub> H <sub>10</sub> Si	Cyclobutylsilane	1828
C <sub>4</sub> H <sub>10</sub> Si	Silacyclopentane	1829
C <sub>4</sub> H <sub>10</sub> Zn	Diethylzinc	1830
C <sub>4</sub> H <sub>11</sub> N	<i>N,N</i> -Dimethylethylamine	1831
C <sub>4</sub> H <sub>11</sub> N	Diethylamine	1832
C <sub>4</sub> H <sub>11</sub> N	<i>t</i> -Butylamine	1833
C <sub>4</sub> H <sub>11</sub> P	<i>t</i> -Butylphosphine	1834
C <sub>4</sub> H <sub>11</sub> P	Ethyl dimethylphosphine	1835
C <sub>4</sub> H <sub>11</sub> P	Trimethyl(methylene)phosphorane	1836
C <sub>4</sub> H <sub>12</sub> Al <sub>2</sub> Cl <sub>2</sub>	Dimethylaluminum chloride dimer	1837
C <sub>4</sub> H <sub>12</sub> Al <sub>2</sub> Cl <sub>4</sub> N <sub>2</sub>	Bis( $\mu$ -dimethylamido)-bis(dichloroaluminum)	1838
C <sub>4</sub> H <sub>12</sub> As <sub>2</sub>	Tetramethyldiarsine	1839
C <sub>4</sub> H <sub>12</sub> AuP	Methyl(trimethylphosphine)gold(I)	1840
C <sub>4</sub> H <sub>12</sub> B <sub>2</sub> O	Dimethylborinic anhydride	1841
C <sub>4</sub> H <sub>12</sub> B <sub>2</sub> S <sub>2</sub>	Bis(dimethylboryl)disulfane	1842
C <sub>4</sub> H <sub>12</sub> ClN <sub>2</sub> P	Bis(dimethylamino)chlorophosphine	1843
C <sub>4</sub> H <sub>12</sub> Cl <sub>2</sub> Ga <sub>2</sub>	Di- $\mu$ -chloro-bis(dimethylgallium)	1844
C <sub>4</sub> H <sub>12</sub> Cl <sub>2</sub> OSi <sub>2</sub>	1,3-Dichloro-1,1,3,3-tetramethyldisiloxane	1845
C <sub>4</sub> H <sub>12</sub> Cl <sub>2</sub> Si <sub>2</sub>	1,2-Dichloro-1,1,2,2-tetramethyldisilane	1846
C <sub>4</sub> H <sub>12</sub> Ge	Tetramethylgermane	1847
C <sub>4</sub> H <sub>12</sub> N <sub>2</sub>	Tetramethylhydrazine	1848
C <sub>4</sub> H <sub>12</sub> N <sub>2</sub> OS	<i>N,N,N',N'</i> -Tetramethylsulfurous diamide	1849
C <sub>4</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> S	<i>N,N,N',N'</i> -Tetramethylsulfuric diamide	1850
C <sub>4</sub> H <sub>12</sub> N <sub>2</sub> S	<i>N,N'</i> -Thiobis(dimethylamine)	1851
C <sub>4</sub> H <sub>12</sub> N <sub>2</sub> Sn	Bis(dimethylamino)tin(II)	1852
C <sub>4</sub> H <sub>12</sub> ORe	Tetramethyloxorhenium	1853

$C_4H_{12}OSi$	Methoxytrimethylsilane	1854
$C_4H_{12}O_3Si$	Methyltrimethoxysilane	1855
$C_4H_{12}O_4Si$	Tetramethoxysilane	1856
$C_4H_{12}P_2$	Tetramethyldiphosphine	1857
$C_4H_{12}Pb$	Tetramethyllead	1858
$C_4H_{12}Si$	Tetramethylsilane	1859
$C_4H_{12}Sn$	Tetramethyltin	1860
$C_4H_{12}Te$	Tetramethyltellurium	1861
$C_4H_{13}NSi$	Dimethyl(dimethylamino)silane	1862
$C_4H_{13}NSi$	(Diethylamino)silane	1863
$C_4H_{13}PSi$	Trimethyl(silylmethylene)phosphorane	1864
$C_4H_{14}Al_2$	Dimethylaluminum hydride dimer	1865
$C_4H_{14}B_2$	Tetramethyldiborane	1866
$C_4H_{14}Ga_2$	Di- $\mu$ -hydrido-bis(dimethylgallium)	1867
$C_4H_{14}N_2$	Dimethylamine dimer	1868
$C_4H_{14}N_2Si$	Bis(dimethylamino)silane	1869
$C_4H_{14}OSi_2$	1,1,3,3-Tetramethyldisiloxane	1870
$C_4H_{14}SSi_2$	Bis(dimethylsilyl) sulfide	1871
$C_4H_{15}NSi_2$	Bis(dimethylsilyl)amine	1872
$C_4H_{15}NSi_2$	2-( <i>t</i> -Butyl)disilazane	1873
$C_4H_{16}B_4$	2,4-( <i>trans</i> -Butane-2,3-diyl)tetraborane(10)	1874
$C_4H_{16}B_{10}$	1,2-Dimethyl-1,2-dicarba- <i>closo</i> -dodecaborane(12)	1875
$C_4H_{16}B_{10}$	1,12-Dimethyl-1,12-dicarba- <i>closo</i> -	1876
$C_4H_{16}Ga_2N_2$	Bis- $\mu$ -dimethylamido-bis[dihydridogallium(III)]	1877
$C_4H_{22}B_{20}$	1,1'-Bi[1,12-dicarba- <i>closo</i> -dodecaborane(12)]	1878
$C_4H_{22}B_{20}Hg$	Bis[1,12-dicarba- <i>closo</i> -dodecaborane(12)-1-yl]mercury(II)	1879
$C_4H_{22}B_{20}Hg$	Bis[1,12-dicarba- <i>closo</i> -dodecaborane(12)-2-yl]mercury(II)	1880

[Introduction](#)[Main Index](#)[Symbols](#)

## Four Carbon and no Hydrogen Atoms, with Atoms N, Ni or O:

$C_4N_2$	2-Butynedinitrile	1881
$C_4N_4$	Cyanogen dimer	1882
$C_4N_4O_4Si$	Silicon tetrakisocyanate	1883
$C_4NiO_4$	Tetracarbonylnickel(0)	1884
$C_4O$	4-Oxo-1,2,3-butatrienyldiene	1885