

CUMULATIVE SUBJECT INDEX

VOLUMES 31–37

The compound names in this cumulative Subject Index are for the most part simplified versions based on the rules given in *Nomenclature of Inorganic Chemistry, IUPAC Recommendations*, N. G. Connelly and T. Damhus, eds., Royal Society of Chemistry (2005). Inverted forms are used for most entries, with the anionic ligands generally listed first and neutral ligands afterwards, and usually in alphabetical order within each set. Note that the names in this Subject Index may be different from those given in the preparations themselves.

Indices for previous volumes appear in *Inorganic Syntheses, Collective Index for Volumes 1–30*, T. E. Sloan, ed., Wiley-Interscience (1997).

- Acetamide, *N,N*-di(*iso*-butyl)-2-chloro-, 31:144
Acetamide, *N,N*-di(*iso*-butyl)-2-(octylphenylphosphinyl)-, 31:145
Acetone
 dibenzylidene palladium complex, 37:183
Acetonitrile
 hexakis, chromium(III) complex, 37:177
 pentakis, (fluoro)chromium(III) complex, 37:178
Acetophenone, 2-diphenylphosphino-, 31:140
Acetylacetonato, carbon-bound to iridium, 35:173
Acetylene, 2-iodophenyl-, 31:124
Alane
 bis(pentamethylcyclopentadienyl), 37:146
Alanine, neodymium complex, 34:184
 α -Alumina, tabular, 34:21
Aluminum
 di-*tert*-butylarsenido dimethyl, dimer, 37:138
 di-*tert*-butylphosphido dimethyl, dimer, 37:138
 tris(pentafluorophenyl)toluene, 37:151
 η^5 -pentamethylcyclopentadienyl dichloride, dimer, 37:149
 pentamethylcyclopentadienyl, tetramer, 37:144, 37:147
Aluminum, chloro(salen)-, 34:15
Aluminum, hexamethyl[μ -[4,4'-methylenebis(*N,N*-dimethylaniline)]] di-, 31:49
Aluminum, (salen)diaqua-, chloride, 34:16
Aluminum, [tetra(*tert*-butyl)salen]bis-(tetrahydrofuran)-, tetraphenylborate, 34:19
Aluminum, [tetra(*tert*-butyl)salen]-dimethanol-, chloride, 34:17

Inorganic Syntheses, Volume 37, First Edition. Edited by Philip P. Power.
© 2018 John Wiley & Sons, Inc. Published 2018 by John Wiley & Sons, Inc

- Aluminum, [tetra(*tert*-butyl)salen]-dimethanol-, salts with tetraphenylborate and *p*-toluenesulfonate, 34:17; 35:18
- Aluminum, trihydrido-(ethyldimethylamine), 31:74
- Aluminum, trimethyl-, 31:48
- Amide, bis(trimethylsilyl)-, barium complex, 31:8
- Amide, bis(trimethylsilyl)-, bismuth(III) complex, 31:100
- Amide, bis(trimethylsilyl)-, cadmium complex, 31:20
- Amide, bis(trimethylsilyl)-, calcium, 37:25
- Amide, bis(trimethylsilyl)-, cobalt(II), 37:4
- Amide, bis(trimethylsilyl)-, cobalt(II) (thf), 37:9
- Amide, bis(trimethylsilyl)-, germanium(II), 37:27
- Amide, bis(trimethylsilyl)-, iron(II) complex, 35:138, 37:4
- Amide, bis(trimethylsilyl)-, iron(II) (thf), 37:4
- Amide, bis(trimethylsilyl)-, lead(II), 37:29
- Amide, bis(trimethylsilyl)-, lithium, 31:95
- Amide, bis(trimethylsilyl)-, manganese(II), 37:10
- Amide, bis(trimethylsilyl)-, manganese(II) (thf)₂, 37:10
- Amide, bis(trimethylsilyl)-, mercury(II) complex, 31:25
- Amide, bis(trimethylsilyl)-, sodium, 31:313
- Amide, bis(trimethylsilyl)-, strontium, 37:25
- Amide, bis(trimethylsilyl)-, tin(II), 37:28
- Amide, bis(trimethylsilyl)-, uranium(III) complex, 31:313
- Amide, bis(trimethylsilyl)-, zinc complex, 31:20
- Amide, *tert*-butyl-, lithium, 34:43
- Amidinate
 complex of gold(I) and gold(II), 37:160
 N¹,N²-bis(3,5-dichlorophenyl)sodium or potassium, 37:160
 N¹,N²-bis(3-methoxyphenyl)sodium or potassium, 37:160
 N¹,N²-bis(4-methylphenyl)sodium or potassium, 37:160
 N¹,N²-bis(naphthalenyl)sodium or potassium, 37:160
- N¹,N²-bis(pentafluorophenyl)amidinate gold(I) tetramer, 37:161
- N¹,N²-bis(pentafluorophenyl)sodium or potassium, 37:160
- N¹,N²-bis(phenyl)methyl sodium or potassium, 37:160
- N¹,N²-bis(phenyl)phenyl sodium or potassium, 37:160
- N¹,N²-bis(2,6-dimethylphenyl)amidinate gold(I) dimer, 37:161
- N¹,N²-bis(2,6-dimethylphenyl)amidinate gold(II) benzoate dimer, 37:165
- N¹,N²-bis(2,6-dimethylphenyl)amidinate gold(II) bromide dimer, 37:163
- N¹,N²-bis(2,6-dimethylphenyl)amidinate gold(II) chloride dimer, 37:162
- N¹,N²-bis(2,6-dimethylphenyl)amidinate gold(II) iodide dimer, 37:164
- N¹,N²-bis(3-trifluoromethylphenyl)sodium or potassium, 37:160
- Amidine
 N¹,N²-bis(3,5-dichlorophenyl), 37:157
 N¹,N²-bis(4-methoxyphenyl), 37:157
 N¹,N²-bis(4-methylphenyl), 37:157
 N¹,N²-bis(naphthalenyl), 37:157
 N¹,N²-bis(pentafluorophenyl), 37:157
 N¹,N²-bis(phenyl)benzamidinate, 37:157
 N¹,N²-bis(phenyl)methyl, 37:157
 N¹,N²-bis(3-trifluoromethylphenyl), 37:157
- Amine, bis[bis(trifluoroethoxy)phosphino]-methyl-, 35:166
- Amine, bis(2-chloroethyl)methyl-, hydrochloride, 32:99
- Amine, bis(dichlorophosphinomethyl)-methyl-, 35:165
- Amine, bis(diethylphosphinomethyl)-methyl-, 35:132
- Amine, bis[2-(hydroseleno)ethyl]methyl-, 32:102
- Amine, bis(2-mercaptoethyl)methyl-, 32:100
- Amine, bis(2-mercaptoethyl)-2-methylthioethyl-, 32:104
- Amine, bis[(2-pyridyl)methyl]-1-(2-pyridyl)ethyl-, 32:72
- Amine, bis(3-salicylideneaminopropyl)-methyl-, 34:141
- Amine, 2-methylmercaptoethyl-, 32:103

- Amine, tris[(2-pyridyl)methyl]-, 32:71
 Amine, tris[2-[*N*-(*p*-toluenesulfonyl)-amino]ethyl]-, 32:115
 Amine, *N,N',N''*-tri(*p*-toluenesulfonyl)-2,2',2''-nitrilotriethyl-, 32:115
 Amine, *N,N',N''*-tris-(*p*-toluenesulfonyl)diethylenetri-, 32:118
 Ammonia
 tri-*tert*-butylgallium complex, 37:142
 Ammonium
 tetrabutyl, tetrakis{3,5-bis(trifluoromethyl)phenyl}, 37:191
 tetrabutyl, tetrakis(pentafluorophenyl)borate, 37:190
 tetraethyl, tetrakis{3,5-bis(trifluoromethyl)phenyl}, 37:191
 tetraethyl, tetrakis(pentafluorophenyl)borate, 37:190
 tetramethyl, tetrakis{3,5-bis(trifluoromethyl)phenyl}, 37:192
 tetrapentyl, tetrakis(pentafluorophenyl)borate, 37:189
 tetrapropyl, tetrakis{3,5-bis(trifluoromethyl)phenyl}, 37:191
 tetrapropyl, tetrakis(pentafluorophenyl)borate, 37:190
 Ammonium, ethyldimethyl-, chloride, 31:75
 Anilide, *N*-(*d*₆-*tert*-butyl)-3,5-dimethyl-, lithium etherate, 32:129
 Anilide, *N*-pivaloyl-2,6-di(*iso*-propyl)-, 35:14
 Aniline
 2,6-bis(2,6-di-*iso*-propylphenyl), 37:107
 2,6-bis(2,4,6-tri-*iso*-propylphenyl), 37:103
 2,6-dimesityl, 37:100
 Aniline, *N*-(1-adamantyl)-3,5-dimethyl-, 32:128
 Aniline, *N*-(*tert*-butyl)-, 32:126
 Aniline, *N*-(*tert*-butyl-4-(*tert*-butyl)-, 32:127
 Aniline, *N*-*tert*-butyl-3,5-dimethyl-, 36:246
 Aniline, *N*-(*d*₆-*tert*-butyl)-3,5-dimethyl-, 32:124
 Aniline, *N*-[1-(*tert*-butyl)ethylidene]-2,6-di-*iso*-propyl-, 35:16
 Aniline, 4,4'-methylenebis(*N,N*-dimethyl-, aluminum complex, 31:49
 Aniline, 4,4'-methylenebis(*N,N*-dimethyl-, gallium complex, 31:47
 Aniline, 4,4'-methylenebis(*N,N*-dimethyl-, indium complex, 31:41; 31:52
 Aniline, *N*-(triaminosilyl)-*N*-(trimethylsilyl)-2,6-di-*iso*-propyl-, 33:232
 Aniline, *N*-(trihydroxysilyl)-*N*-(trimethylsilyl)-2,6-di-*iso*-propyl-, 33:231
 Anthracene
 cobaltate, 37:67, 37:72
 ferrate, 37:70, 37:79
 Antimony, tetrakis(tetracarbonylferrate)-, tris(tetrabutylammonium), 31:222
 Antimony hexasulfide, heptasilver, 33:136
 Antimony trisulfide, trisilver, 33:136
 Arsenic, difluorotriphenyl-, 34:34
 Arsenic tribromide, 33:203
 Arsenic trichloride, 31:148
 Arsenic triphosphide, 37:133
 Arsenic trisulfide, trisilver, 33:132
 Arsenide
 di-*tert*-butyl, aluminum dimethyl dimer, 37:138
 di-*tert*-butyl, gallium dimethyl dimer, 37:138
 di-*tert*-butyl, indium dimethyl dimer, 37:138
 Arsenide, bis(trimethylsilyl)-, lithium, 31:157
 Arsine, tris(trimethylsilyl)-, 31:151
 Aurate, bis(diphenylmethylene-thiophosphinato)-, bis-(triphenylphosphoranylidene)-ammonium, 33:174
 Aurate, bis(2,4-pentanedionato)-, bis-(triphenylphosphoranylidene)-ammonium, 32:175
 Aurate, chloro(mesityl)-, (benzyl)-triphenylphosphonium, 33:182
 Aurate, dichloro-, bis-(triphenylphosphoranylidene)-ammonium, 32:174
 1-Azabicyclo[2.2.2]octane hydrochloride, 31:78
 Azide
 2,6-dimesitylphenyl, 37: 99
 bis(2,6-di-*iso*-propylphenyl), 37:106
 bis(2,4,6-tri-*iso*-propylphenyl), 37:106
 Barium, bis[bis(trimethylsilyl)amido]bis-(tetrahydrofuran)-, 31:8
 Barium, bis(hexafluoro-2,4-pentanedionato)(tetraglyme)-, 31:5

- Barium, tris(catecholato)titanium salt, 31:13
- Basolo, Fred, 35:xvii
- Benzaldehyde, 2,6-dimethoxy-, 31:119
- Benzene
- 1-amino-2,6-bis(2,6-di-*iso*-propylphenyl), 37:107
 - 1-amino-2,6-bis(2,4,6-tri-*iso*-propylphenyl), 37:103
 - 1-amino-2,6-bis(2,4,6-trimethylphenyl), 37:100
 - 1-amino-2,6-dimesityl, 37:100
 - 1-azido-2,6-bis(2,6-di-*iso*-propylphenyl), 37:106
 - 1-azido-2,6-bis(2,4,6-tri-*iso*-propylphenyl), 37:106
 - 1-azido-2,6-bis(2,4,6-trimethylphenyl), 37:99
 - 1-bromo-2,6-di-*iso*-propyl, 37:90
 - 1-hydroxo-2,6-bis(2,6-di-*iso*-propylphenyl), 37:121
 - 1-hydroxo-2,6-bis(2,4,6-tri-*iso*-propylphenyl), 37:121
 - 1-iodo-2,6-bis(2,6-di-*iso*-propylphenyl), 37:92
 - 1-iodo-2,6-bis(2,4,6-tri-*iso*-propylphenyl), 37:101
 - 1-iodo-2,6-bis(2,4,6-trimethylphenyl), 37:57
 - 1-iodo-2,6-dimesityl, 37:57
 - 1-mercapto-2,6-bis(2,6-di-*iso*-propylphenyl), 37:117
 - 1-mercapto-2,6-bis(2,4,6-tri-*iso*-propylphenyl), 37:118
- Benzenecarboximidamide, tris-(*N*-trimethylsilyl)-, 31:95
- Benzene, 1-chloro-4-isocyano-, 34:26
- Benzene, 1-chloro-4-(3-phenylpropyl)-, 32:32
- Benzene, 1-cyano-4-isocyano-, 34:26
- Benzene, 1,2-dihydroxy-4,5-diamino-, hydrobromide, 33:115
- Benzene, 1,4-diisocyano-, 34:25
- Benzene, 1,4-diisocyano-2,5-dimethyl-, 34:26
- Benzene, 1,4-diisocyanotetramethyl-, 34:26
- Benzene, 1,2-dimethoxy-4,5-diamino-, (4,5-diaminoveratrole), 33:115
- Benzene, 1,2-dimethoxy-4,5-dinitro-, (4,5-dinitroveratrole), 33:114
- Benzene, 1-fluoro-4-isocyano-, 34:27
- Benzene, 1-isocyano-4-methoxy-, 34:27
- Benzene, 1-isocyano-4-nitro-, 34:26
- Benzene, 1-isocyano-4-trifluoromethyl-, 34:27
- Benzene, 1,2,4,5-tetrakis(2-acetate-2-methylpropanamido)-, 33:2
- Benzene, 1,2,4,5-tetrakis(2-hydroxy-2-methylpropanamido)-, 33:4
- Benzenedicarboximidamide, hexakis-(*N*-trimethylsilyl)-, 31:96
- Benzoic acid, 4-isocyano-, 34:26
- Benzophenone, 5,5'-di(*ter*i-butyl)-2,2'-dimethoxy-, 36:187
- 2,2'-Bipyridine, 4,4'-dicarboxy-, 32:182
- 2,2'-Bipyridine, 4,4'-dicarboxy, ruthenium complexes, 33:185
- 2,2'-Bipyridine, supramolecular iron, cobalt, and copper complexes, 34:178
- 2,2'-Bipyridine, supramolecular osmium and ruthenium complexes, 33:10; 33:26
- Bismuth, bis[bis(trimethylsilyl)amido]-, 31:100
- Bismuth, bis(dimethylamido)-, 31:99
- Bismuth, cobalt carbonyl complexes of, 31:220
- Bismuthinetriamine, hexamethyl-, 31:99
- Bispidone, (3,7-dimethyl-9-oxo-2,4-bis(2-pyridyl)-3,7-diazabicyclo[3.3.1]nonane-dicarboxylate dimethyl ester), 35:72
- Bis(pyrazolyl)alkane ligands, 32:51
- Borane(10), *closo*-1-carbadeca-, tetraethylammonium, 36:178
- Borane(10), *closo*-2-carbadeca-, tetraethylammonium, 36:177
- Borane(10), *closo*-1-phenyl-1-carbadeca-, tetraethylammonium, 36:182
- Borane(10), *closo*-2-phenyl-2-carbadeca-, tetraethylammonium, 36:181
- Borane(12), *closo*-1-carbadodeca-, tetraethylammonium, 36:179
- Borane(12), *closo*-1-phenyl-1-carbadodeca-, tetraethylammonium, 36:183
- Borane(12), *closo*-dodecahydroxy-dodeca-, dicesium, 35:63
- Borane(12), *closo*-dodecamethyl-carbadodeca-, cesium, tetramethylammonium, and lithium salts, 35:58

- Borane(12), *closo*-1-methylcarbodeca-, cesium, 35:57
- Borane(12), *nido*-6-phenyl-6-carbodeca-, tetraethylammonium, 36:180
- Borane(14), *arachno*-6-carbodeca-, tetraethylammonium, 36:176
- Borane(9), bis(pentamethylcyclopentadienyl)-diruthena-*nido*-penta-, 34:204
- Borane(10), bis(pentamethylcyclopentadienyl)-diruthena-*nido*-hexa-, 34:205
- Borane(12), *closo*-7,8-dicarbaundeca-, 32:229
- Boranyl, *closo*-dodecamethylcarbodeca-, radical, 35:61
- Borate
- tetrafluoro chromium acetonitrile salt, 37:177
 - tetrafluoro iron/nickel salt, 37:167
 - tetrakis{3,5-bis(trifluorophenyl)phenyl} ammonium salts, 37:190
 - tetrakis(pentafluorophenyl) tetralkylammonium salts, 37:190
- Borate, diphenylbis(diphenylphosphinomethyl)-, tetrabutylammonium, 34:11
- Borate, hydrotris(3,5-dimethylpyrazolyl)-, potassium, 33:220
- Borate, hydrotris(methimazolyl)-, potassium, 33:200
- Borate, phenyltris(diphenylphosphinomethyl)-, tetrabutylammonium, 34:9
- Borate, phenyltris(diphenylphosphinomethyl)-, thallium, 34:12
- Borate, tetrakis[3,5-bis(trifluoromethyl)phenyl]-, sodium, 34:5
- Borate, tetrakis[(methylthio)methyl]-, tetrabutylammonium, 32:108
- Borate, tris[(methylthio)methyl]phenyl-, tetrabutylammonium, 32:110
- Borazine, 32:232
- Borazine, homopolymer, 32:235
- Borazine, 2-vinyl-, 32:237
- Borazine, 2-vinyl-, homopolymer, 32:239
- Boron, bis(catecholato)di-, 34:4
- Boron, 1,2-dichloro-1,2-bis-(dimethylamino)di-, 34:3
- Boron, tetrakis(dimethylamino)di-, 34:1
- 2,3-Butanediol bis(methanesulfonate), (*R,R*) isomer, 31:132
- cis*-Butene, 2-bromo-, 31:234
- Cadmium, bis[bis(trimethylsilyl)amido]-, 31:20
- Cadmium, bis[2,4,6-trimethylbenzenetelluroolato]-, 31:23
- Cadmium, bis[2,4,6-tri(*tert*-butyl)benzeneselenolato]-, 31:23
- Cadmium, bis[2,4,6-tri(*tert*-butyl)benzenethiolato]-, 31:22
- Cadmium, dimethyl-, 31:53
- Cadmium, dimethyl(2,2'-bipyridine)-, 31:56
- Cadmium, pentakis(tetrahydrofuran)di-, tetrakis(tetrafluoroborate), 34:91
- Calcium
- bis[{bis(thf)potassium}bis{ μ -N(isopropyl)(phenyl)amido}] complex, 37:22
 - bis{bis(trimethylsilyl)amido}, dimeric complex, 37:25
 - bis{N-(isopropyl)(phenyl)amido}tris(thf) complex, 37:22
 - bis{2,2,6,6-tetramethylpiperidido}(tmeda) complex, 37:20
 - diiodidotetrakis(thf) complex, 37:20
- Calcium, bis(hexafluoro-2,4-pentanedionato)(tetraglyme)-, 31:2
- Camphor, (1*R*)-2-hydroxymethylene-, 32:55
- Carbene, *N*-heterocyclic, ligands and complexes, 35:78; 35:84; 35:88
- Carbene, *N*-heterocyclic, chelating, 35:84
- Catecholate, titanium complex, 31:12; 31:13
- Catechol, 4,5-diamino-, 33:112
- Cesium, *p*-toluenesulfonato-, 33:101
- Chiraphos, (5,5) isomer (2,3-bis-(diphenylphosphino)butane), 31:136
- Chloroform
- (1*R*,2*R*-diaminocyclohexane)oxalato platinum complex, 37:179
- Chromate, hexacyano-, potassium, 34:144
- Chromate, hexa[¹³C]cyano-, potassium, 34:145
- Chromate, hexacyano-, 1:2 complex with (tetraethylenepentamine)nickel, chloride, 34:147
- Chromate, hexacyano-, 1:6 complex with (tetraethylenepentamine)nickel, nonaperchlorate, 34:148

- Chromate, hexacyano-, 1:6 complex with [tris(2-aminoethyl)amine]copper, nonaperchlorate, hydrate, 34:138
- Chromium
 hexakis(acetonitrile) Cr(III) complex, 37:177
 pentakis(acetonitrile)fluoro Cr(III) complex, 37:178
- Chromium, bis(acetonitrile)tetrakis(2,2'-dipyridylamido)tri-, hexafluorophosphate, 36:107
- Chromium, bis(*p*-toluenesulfonato)-, 33:101
- Chromium, bis(trifluoromethanesulfonato)-, 33:90
- Chromium, dichlorotetrakis(2,2'-dipyridylamido)tri-, 36:103
- Chromium, (β -diketiminato)dichlorobis-(tetrahydrofuran)-, 35:32
- Chromium, hexaaqua-, tris(*p*-toluenesulfonato), 33:97
- Chromium, hexakis(acetonitrile)-, bis-[tetrakis[3,5-bis(trifluoromethyl)phenyl]- borate], 33:88
- Chromium, penta(acetonitrile)nitrosyl-, bis- (tetrafluoroborate), 35:67
- Chromium, penta(aqua)nitrosyl-, sulfate, 35:67
- Chromium, tetra(acetato)di-, dihydrate, 36:203
- Chromium, tetraaqua-, bis(*p*-toluenesulfonato), 33:97
- Chromium, tetrakis(acetonitrile)-, bis-(tetrafluoroborate), 33:79
- Chromium, tricarbonyl(1,3,5-trimethyl-triazacyclohexane)-, 35:111
- Chromium, trichloro(1,4,7-trimethyl-1,4,7-triazacyclononane)-, 34:151
- Chromium, tricyano(1,4,7-trimethyl-1,4,7-triazacyclononane)-, 34:153
- Chromium, (1,4,7-trimethyl-1,4,7-triazacyclononane)-, 8:6 complex with tetracyanonickelate, dodecabromide, pentacontahydrate, 34:154
- Chromium, tris(trifluoromethanesulfonato)-(1,4,7-trimethyl-1,4,7-triazacyclononane)-, 34:152
- Cobaltate
 bis(1,2,3,4- η^4 -anthracenyl){bis(dme)potassium}, 37:72
 bis(1,2,3,4- η^4 -anthracenyl){(18-crown-6)bis(thf)potassium} salt, 37:67
- Cobaltate, (μ_3 -carboxymethylidyne)-nonacarbonyltri-, oxotetrazinc, 31:230
- Cobaltate, (μ_3 -carboxymethylidyne)-nonacarbonyltri-, oxotetracobalt, 31:230
- Cobaltate, complex with water soluble phosphine, 32:19
- Cobaltate, (cyclopentadienyl)tris-(dimethylphosphito)-, sodium, 35:125
- Cobaltate, di-, complex with water soluble phosphine, 32:18
- Cobaltate, tetracarbonyl, bismuth and tin compounds of, 31:220
- Cobaltate, κ^4 : κ^4 -[1,2,4,5-tetrakis(2-oxy-2-methylpropanamido)benzene]di-, bis-(tetraphenylphosphonium, 33:5; 33:7
- Cobaltate, tricyano(cyclopentadienyl)-, 4:4 complex with (pentamethyl-cyclopentadienyl)rhodium, tetrakis-(hexafluorophosphate), 34:170
- Cobaltate, tricyano(cyclopentadienyl)-, (18-crown-6)potassium, 34:169
- Cobalt
 bis{2,6-bis(2,4,6-trimethylphenyl)phenyl}, 37:60
 bis{bis(trimethylsilyl)amide} dimeric complex, 37:7
 bis{bis(trimethylsilyl)amide} (thf) complex, 37:9
- Cobalt, bis(acetonitrile)tetrakis(2,2'-dipyridylamido)tri-, hexafluorophosphate, 36:108
- Cobalt, bis[(cyclopentadienyl)tris-(dimethylphosphito)cobaltate]-, 35:125
- Cobalt, (μ_3 -bismuth)tri(*p*-carbonyl)-hexacarbonyltri-, 31:224
- Cobalt, bis(*p*-toluenesulfonato)-, 33:101
- Cobalt, bis(trifluoromethanesulfonato)-, 33:80
- Cobalt, (μ_3 -chloromethylidyne)-nonacarbonyltri-, 31:229
- Cobalt, 9:6 complex with octacyanomolybdate(V), tetracontamethanolate, dihydrate, 34:159
- Cobalt, 9:6 complex with octacyanotungstenate(V), tetracontamethanolate, dihydrate, 34:159
- Cobalt, dichlorotetrakis(2,2'-dipyridylamido)tri-, 36:104

- Cobalt, (β -diketiminato)chloro-, 35:43
 Cobalt, dodecacarbonyl(μ_3 -bismuth)tri-, 31:223
 Cobalt, hexaaqua-, bis(*p*-toluenesulfonate), 33:100
 Cobalt, hexadecacarbonyl(μ_4 -tin)tetra-, 31:226
 Cobalt, hexakis(acetonitrile)-, bis[tetrakis-[3,5-bis(trifluoromethyl)phenyl]borate], 33:87
 Cobalt, hexakis(acetonitrile)-, bis-(tetrafluoroborate), 33:76; 33:78
 Cobalt, (μ_3 -hydrocarboxymethylidyne)-nonacarbonyl tri-, 31:230
 Cobalt, tetraamminedichloro-, chloride, 31:270
 Cobalt, tetra(μ -cyano)octakis(bipyridine)-diiron di-, tetrakis-(hexafluorophosphate), 34:179
 Copper, bis(acetonitrile)-, 2:2 complex with (μ -cyano)carbonyl(cyclopentadienyl)iron, 34:174
 Copper, 1,3-[bis(dicyclohexyl)phosphino]propane-, 2:2 complex with (μ -cyano)-carbonyl(cyclopentadienyl)iron, 34:177
 Copper, bis(β -diketiminato)(μ - η^2 : η^2 -toluene)di-, 35:52
 Copper, bis[1-(dimethylamino)-2-propanolato]-, 31:296
 Copper, bis[2-(2-methoxyethoxy)-ethanolato]-, 31:298
 Copper, bis(1,2,6,7-tetracyano-3,5-diimino-dihydropyrrolizinido)-, 34:74
 Copper, bis(tetramethyl-3,5-heptanedionato)-, 31:286
 Copper, bis[tri(*p*-tolyl)phosphine]-, 2:2 complex with (μ -cyano)carbonyl(cyclopentadienyl)iron, 34:176
 Copper, bis(tricyclohexylphosphine)-, 2:2 complex with (μ -cyano)carbonyl(cyclopentadienyl)iron, 34:175
 Copper, *tert*-butoxide, tetramer, 35:51
 Copper, chlorobis(bispidone)-, 35:72
 Copper, chlorocarbonyl-, 32:225
 Copper, dibromobis(*N*-oxyethyl-3,5-dimethylpyrazole)di-, 32:84
 Copper, dichloro[2-methyl-1,4-butadiene]di-, 32:227
 Copper, dichlorotetrakis(2,2'-dipyridylamido)tri-, 36:106
 Copper, di(μ -cyano)(bipyridine)-(triphenylphosphine)di-, polymer, 34:181
 Copper, (β -diketiminato)chloro-, 35:54
 Copper, dimethoxido-, 31:295
 Copper, (hexafluoro-2,4-pentanedionato)-(2-butyne)-, 31:292
 Copper, (hexafluoro-2,4-pentanedionato)-(1,5-cyclooctadiene)-, 31:291
 Copper, (hexafluoro-2,4-pentanedionato)-(trimethylphosphine)-, 31:290
 Copper, (hexafluoro-2,4-pentanedionato)-(vinyltrimethylsilane)-, 31:292
 Copper, (2-iodophenyl)acetylido-, 31:125
 Copper, 12-metallacrown-4 complexes, 33:70
 Copper, tetraantimony(tridecasulfide)-dodeca-, 33:137
 Copper, tetra(μ -cyano)hexakis(bipyridine)-diiron di-, tetrakis(hexafluorophosphate), 34:180
 Copper, tetrakis(acetonitrile)-, bis-(tetrafluoroborate), 33:77; 33:78
 Copper, tricyclohexylphosphine-, 2:2 complex with (μ -cyano)carbonyl(cyclopentadienyl)iron, 34:174
 Copper, triethylenediamine-, 6:1 complex with hexacyanoferrate, nonaperchlorate, hydrate, 34:138
 Copper, tris[μ -(3,5-dimethylpyrazolato)]tri-, 31:300
 Copper, [tris(2-picolinyl)methane]-(acetonitrile)-, 35:74
 Copper, [tris(2-pyridylmethyl)amine]aqua-, perchlorate, 34:135
 Copper, [tris(2-pyridylmethyl)amine]-, 6:1 complex with hexacyanoferrate, octaperchlorate, trihydrate, 34:135
 Copper anionic complexes, see Cuprate
 Copper indium disulfide, 33:137
 Cotton, Frank Albert, 35:xvi
 Crown ether
 18-crown-6 potassium complexes of bis(1,2,3,4- η^4 -anthracenyl)cobalt or iron, 37:67
 18-crown-6 potassium complex of (η^5 -pentamethylcyclopentadienyl)(1,2,3,4- η^4 -naphthalenyl), 37:78

- Crown ether, aza-, (OBISDIEN), 32:117
 Cryptand (OBISTREN), 32:114
 Cuprate, tetrakis(naphthoylhydroximate)-
 penta-, bis(tetraethylammonium),
 dimethylformamide, 33:72
 Cyclohexadiene-3-carboxylate, ethyl
 ester, 35:161
 Cyclohexane
 1R,2R diamino, 37:179
 Cyclopentadiene, pentafluorophenyl-, 36:39
 Cyclopentadiene, tetramethyl-
 (trifluoromethyl)-, 31:233
 Cyclopentadienide
 bis(1,3,5-*tert*-butyl),
 magnesium, 37:203
 pentamethyl, potassium, 37:38,149
 1,3,5-*tert*-butyl, sodium, 37:203
 Cyclopentadienide, pentafluorophenyl-,
 sodium, 36:41
 Cyclopentadienide, potassium, 36:37
 Cyclopentadienide, sodium, 36:36
 Cyclopentadienide, pentamethyl-, lithium,
 31:215 (footnote)
 Cyclopentadienide, pentamethyl-,
 potassium, 36: 53
 Cyclopentadienide, pentamethyl-, sodium,
 36: 48
 Cyclopentadienyl
 bis(pentamethylcyclopentadienyl)
 alane, 37:159
 bis(pentamethylcyclopentadienyl)di
 (μ -chlorido)dichlorido
 dialuminum, 37:149
 bis(pentamethyl)cyclopentadienyl
 zinc(II) and dizinc, Zn(I)-Zn(I)
 37:38,39
 {bis(thf)Li}{ η 5-cyclopentadienyl
 (1,2,3,4- η 4-naphthalene)ferrate},
 37:78
 {bis(thf)Li}{(η 5-
 pentamethylcyclopentadienyl)
 (1,2,3,4- η 4-naphthalene)
 ferrate}, 37:79
 1,4-Diazacycloheptane, *N,N'*-bis(2-
 mercaptoethyl)-, 36:234
 1,4-Diazacycloheptane, *N,N'*-bis(2-
 mercaptoethyl)-, nickel
 complexes, 36:231
 1,5-Diazacyclooctane, 32:92
 1,5-Diazacyclooctane, *N,N'*-bis(2-
 mercaptoethyl)-, 32:93
 1,5-Diazacyclooctane, *N,N'*-bis(2-
 mercapto-2-methylpropane)-,
 32:95
 1,5-Diazacyclooctane,
 hydrobromide, 32:90
 1,5-Diazacyclooctane, nickel
 complexes, 32:96
 Diethylenetriamine, *N,N',N''*-tris(*p*-
 toluenesulfonyl)-, 32:118
 β -Diketiminatate ligands
 dimagnesium (I), 37:48
 magnesium(II) iodide, 37:41
 β -Diketiminatate ligands, chemistry of,
 35:1
 β -Diketiminatate ligands, chromium
 complex, 35:32
 β -Diketiminatate ligands, cobalt
 complex, 35:43
 β -Diketiminatate ligands, copper complex,
 35:52; 35:54
 β -Diketiminatate ligands, iron complex,
 35:38; 35:41
 β -Diketiminatate ligands, lithium complex,
 35:10; 35:13; 35:18
 β -Diketiminatate ligands, manganese
 complex, 35:34; 35:35
 β -Diketiminatate ligands, nickel complex,
 35:45; 35:46; 35:48
 β -Diketiminatate ligands, potassium
 complex, 35:11
 β -Diketiminatate ligands, scandium complex,
 35:21; 35:22
 β -Diketiminatate ligands, thallium
 complex, 35:6
 β -Diketiminatate ligands, titanium complex,
 35:25; 35:27
 β -Diketiminatate ligands, vanadium complex,
 35:28; 35:30
 β -Diketiminatate ligands, zinc
 complex, 35:36
 Dimethylsulfoxide
 ruthenium complexes, 37:172
 Dimethylsulfoxide, complexes of
 platinum, 33:189
 Dinitrogen, rhenium complex, 31:265
 1,13-Dioxo-4,7,10,16,19,22-
 hexaazacyclotetracosane, aza-crown
 ether (OBISDIEN), 32:117

- Dipyrryl and porphyrinic precursors to supra-molecular conjugated (porphinato)- metal arrays, 33:55
- Dodecatungstooluminate, α -, pentasodium, 33:22
- Dodecatungstooluminic acid, $H_5[AlW_{12}O_{40}]$, 33:18; 33:20
- dppe
nickel complexes, 37:167
ruthenium complexes, 37:174
- Ethene, tetrakis(5-*tert*-butyl-2-hydroxyphenyl)-, 36:192
- Ethene, tetrakis(5-*tert*-butyl-2-methoxyphenyl)-, 36:189
- Europium, 15-metallacrown-5 complexes with copper
picolinehydroximate, 33:69
- Europium, 1-(4-nitrobenzyl)-4,7,10-tris-(carbamoylmethyl)-1,4,7,10-tetraazacyclododecane-, 33:217
- Ferrate
{bis(thf)lithium}{ η 5-cyclopentadienyl (1,2,3,4- η 5naphthalene)}, 37:78
{(18-crown-6)(thf)2potassium}{bis (1,2,3,4- η 4-anthracene)}, 37:70
- Ferrate, bromo(cyano)tricarbonyl-, bis-(triphenylphosphoranylidene)-ammonium, 35:131
- Ferrate, cyanopentacarbonyl(1,3-propanedithiolato)di-, tetraethylammonium, 35:146
- Ferrate, cyanotetracarbonyl-, bis-(triphenylphosphoranylidene)-ammonium, 35:130
- Ferrate, dicyanocarbonyl-(cyclopentadienyl)-, potassium, 34:172
- Ferrate, dicyanotetracarbonyl(1,3-propanedithiolato)di-, bis-(tetraethylammonium), 35:146
- Ferrate, hexachlorodi-, bis-(tetraphenylphosphonium), 33:104
- Ferrate, hexacyano-, 2:3 complex with [bis- (pyrazolyl)methane]nickel, heptahydrate, 34:139
- Ferrate, hexacyano-, 1:6 complex with [1,4-bis(2-pyridylmethyl)-1,4,7-triazacyclononane]manganese, octaperchlorate, pentahydrate, 34:137
- Ferrate, hexacyano-, 1:6 complex with [bis- (3-salicylidenoaminopropyl)-methylamine]iron, chloride, hexahydrate, 34:143
- Ferrate, hexacyano-, 1:6 complex with [tris- (2-pyridylmethyl)amine]copper, octaperchlorate, trihydrate, 34:135
- Ferrate, hexahydrido-, tetrakis[bromobis-(tetrahydrofuran)magnesium], 36:161
- Ferrate, hexahydrido-, tetrakis[2-methyl-2-propoxomagnesium], 36:163
- Ferrate, hydridotetracarbonyl-, potassium, 31:204
- Ferrate, octadecatungstotetra-, diphosphate, hexakis(tetrabutylammonium), 33:52
- Ferrate, (μ -oxo)hexachlorodi-, bis-(tetraethylammonium), 33:105
- Ferrate, (μ -oxo)hexachlorodi-, bis-(tetraphenylphosphonium), 33:105
- Ferrate, tetracarbonyl, bismuth and antimony compounds of, 31:220
- Ferrate, triacontatungstotetra-, tetrphosphate, dodecasodium, octapentacontahydrate, 33:54
- Ferrate, undecacarbonyltri-, bis[bis-(triphenylphosphoranylidene)-ammonium], 36:223
- Ferrocene, 1,1'-diamino-, 36:69
- Ferrocene, 1,1'-dibromo-, 36:67
- Ferrocene, 1,1'-dibromo, one-pot preparation from ferrocene, 36:68
- Ferrocene, 1,1'-dilithio-, *N,N,N',N'*-tetramethylethylenediamine, 36:66
- Ferrocene, (diphenylphosphino)acetyl-, 31:141
- Ferrocene, 1,2,3,4,5-pentamethyl-, 31:215
- Ferrocenium, 1,1'-diamino-, hexafluorophosphate, 36:70
- Ferrocenium, 1,1'-diamino-, trifluoromethanesulfonate, 36:71
- Formamide
bis-2,6(2,6-di-*iso*-propylphenyl)phenyl, 37:112
bis-2,6(2,4,6-trimethylphenyl)phenyl, 37:110

- Fullerene-60, complex with osmium, 34:226; 34:227
- Fullerene-60, complex with tungsten, 34:109
- Gallate
 {tris(diethylether)lithium}{trichlorido
 (2,6-diphenyl)phenyl}, 37:66
- Gallium
 chlorido{bis(2,6-
 dimesitylphenyl)}, 37:67
 cyclo-tris(di-*tert*-butyl)tris,
 (μ -amido), 37:143
 tri-*tert*-butyl, 37:141
 tri-*tert*-butyl ammonia, 37:142
- Gallium, hexahydro[μ -[1,2-bis-
 (dimethylphosphino)ethane]]di-,
 31:80
- Gallium, hexamethyl μ -[4,4'-methylenebis-
 (*N,N*-dimethylaniline)]di-, 31:47
- Gallium, trihydro(1-azabicyclo[2.2.2]-
 octane)-, 31:78
- Gallium, trihydro(tricyclohexylphosphine)-,
 31:79
- Gallium, trimethyl-, 31:46; 31:67
- Germanium
 bis{2,6-bis(2,6-di-*iso*-propylphenyl)
 phenyl}, 37:61
 bis{bis(trimethylsilyl)amido}, 37:27
 bis(2,6-dimesitylphenyl), 37:61
- Glycine, *N,N'*-ethylenebis(*N*-salicyl-,
 32:120)
- Gold
 amidinate complexes, 37:159
 benamidinate complexes, 37:159
- Gold, bis(diphenylmethyl-
 enethiophosphinato)di-, 33:172
- Gold, mesityl(triphenylarsine)-,
 33:181
- Gold, pentakis(mesityl)penta-, 33:183
- Gold, 2,4-pentanedionato-
 (triphenylphosphine)-, 32:175
- Gold, tetrakis(diphenylmethyl-
 enethiophosphinato)-, complexes with
 platinum, lead, thallium, and
 mercury, 33:171
- Gold, triphenylphosphine-stabilized
 nanoparticles,
 Au₁₀₁(PPh₃)₂₁Cl₅, 34:228
- Gold anionic compounds, see Aurate
- Hafnium, bis(pentamethyl-
 cyclopentadienyl)dichloro-, 36:50
- Hafnium, trichloro(η^3 -indenyl)-,
 32:220
- Hafnium, trifluoro(pentamethyl-
 cyclopentadienyl)-, tetramer,
 33:236
- 3,5-Heptanedione, 2,2,6,6-tetramethyl-,
 31:303
- Heptane, 2,2,6,6-tetramethyl-3,5-bis[2,6-
 di(*iso*-propyl)phenylimido]-, 35:17
- Heptyl, 2,2,6,6-tetramethyl-3,5-bis[2,6-di-
 (*iso*-propyl)phenylimido]-, cobalt
 complex, 35:43
- Heptyl, 2,2,6,6-tetramethyl-3,5-bis[2,6-di-
 (*iso*-propyl)phenylimido]-, iron
 complex, 35:41
- Heptyl, 2,2,6,6-tetramethyl-3,5-bis[2,6-di-
 (*iso*-propyl)phenylimido]-,
 lithium, 35:13
- Heptyl, 2,2,6,6-tetramethyl-3,5-bis[2,6-di-
 (*iso*-propyl)phenylimido]-, lithium,
 tetrahydrofuran, 35:18
- Heptyl, 2,2,6,6-tetramethyl-3,5-bis[2,6-di-
 (*iso*-propyl)phenylimido]-,
 potassium, 35:11
- Heptyl, 2,2,6,6-tetramethyl-3,5-bis[2,6-di-
 (*iso*-propyl)phenylimido]-, scandium
 complex, 35:22
- Heptyl, 2,2,6,6-tetramethyl-3,5-bis[2,6-di-
 (*iso*-propyl)phenylimido]-, titanium
 complex, 35:27
- N*-Heterocyclic carbene, ligands and
 complexes, 35:78; 35:84; 35:88
- N*-Heterocyclic carbene, chelating, 35:84
- Heteropolytungstate, lacunary [B-
 α -PW₉O₃₄]⁹⁻, transition metal
 complexes, 31:169; 31:170; 31:173
- Heteropolytungstate, lacunary
 [α -P₂W₁₅O₅₆]¹²⁻, 31:175; 31:188
- Heteropolytungstate, lacunary
 [α -P₂W₁₅O₅₆]¹²⁻, transition metal
 complexes, 31:180; 31:181; 31:183
- Heteropolytungstate, lacunary
 [P₂W₁₇O₆₁]¹⁰⁻, transition metal
 complexes, 32:242
- 1,4,7,13,16,19-Hexaaza-10,22-
 dioxacyclotetracosane (OBISDIEN),
 aza-crown ether, 32:117
- Holtzclaw, Henry Fuller, 36:x

- Hydrazine, *N,N'*-bis[bis(2,6-dimethylphenoxy)phosphino]-1,2-dimethyl-, 32:135
- Hydrazine, *N,N'*-bis(dichlorophosphino)-1,2-dimethyl-, 32:133
- Hydrazine, *N,N'*-bis(diphenoxyposphino)-1,2-dimethyl-, 32:134
- Hydrazine, *N,N'*-bis[bis(trifluoroethoxy)phosphino]-1,2-dimethyl-, 32:134
- Hydride
 μ -hydrido complex of nickel, {(dppe)Ni(μ -H)(μ -1,3-pdt)Fe(CO)₃}BF₄, 37:169
- Hydroxamic acid, 3-hydroxy-2-naphtho-, 33:72
- Hydroximate, naphtholyl, complexes of copper and manganese, 33:70
- Hydroximate, picoline-, complexes of uranyl and lanthanides, 33:67
- Hydroximate, salicyl, complexes of copper and manganese, 33:70
- Hydroxylamine, KOH solution, 33:71
- Imidazole, 1-(*tert*-butyl)-, 35:84
- Imidazole, 1,4-di(*iso*-propyl)-, 32:66
- Imidazole, *N*-methyl-2-carbaldehyde, 34:31
- Imidazolium, 1,3-dimethyl-, 2-carboxylate, 35:88
- Imidazolium, 1,3-dimethyl-, iodide, 35:80
- Imidazolium, 1,3-di(*iso*-propyl)-, chloride, 35:79
- Imidazolium, 1,3-di(*n*-propyl)-, chloride, 35:79
- Imidazolium, methylenebis(*N*-(*tert*-butyl)-, dibromide, 35:84
- Imidazolium, 1-methyl-3-(*iso*-propyl)-, iodide, 35:80
- Imidazolylidene, 1,3-dimethyl-, 35:82
- Imidazolylidene, 1,3-di(*iso*-propyl)-, 35:80
- Imidazolylidene, 1,3-di(*n*-propyl)-, 35:80
- Imidazolylidene, 1-methyl-3-(*iso*-propyl)-, 35:82
- Imidoyl, *N*-[2,6-di(*iso*-propyl)phenyl]-pival-, chloride, 35:15
- Imine, *N*-*d*₆-3,5-dimethylphenylacetone-, 32:123
- Indate, bis(phosphoruspentaselenide)-diphosphorushexaselenide-di-, tetrapotassium, 33:125
- 2-Indazole, (4*S*,7*R*)-7,8,8-trimethyl-tetrahydro-4,7-methano-, 32:56
- Indene, tributylstannyl-, 32:217
- Indene, trimethylsilyl-, 32:216
- Indium
 dimethyl di-*tert*-butylarsenido, dimeric complex, 37:138
 dimethyl di-*tert*-butylphosphido, dimeric complex, 37:138
 Indium copper disulfide, 33:137
 Indium, hexaethyl[μ -[4,4'-methylenebis-(*N,N*-dimethylaniline)]]di-, 31:52
 Indium, hexamethyl[μ -[4,4'-methylenebis-(*N,N*-dimethylaniline)]]di-, 31:41
 Indium, quaternary selenophosphates of, 33:122
 Indium, triethyl-, 31:50
 Indium, trimethyl-, 31:33; 31:67
- Iodido
 di, tetrakis(thf)calcium, 37:20
 β -diketiminato magnesium, 37:41
- Iodo
 2,6-bis(2,6-di-*iso*-propylphenyl)benzene, 37:101
 2,6-bis(2,4,6-tri-*iso*-propylphenyl)benzene, 37:92
 2,6-bis(2,4,6-trimethylphenyl)benzene, 37:57
- Iridate, complex with water soluble phosphine, 32:6
- Iridate, dichloro(1,5-cyclooctadiene)-, benzyltriphenylphosphonium, 34:130
- Iridate, dichlorodicarbonyl-, benzyltriphenylphosphonium, 34:131
- Iridate, diiododicarbonyl-, bis(triphenylphosphoranylidene)ammonium, 34:124
- Iridate, tricyano-(pentamethylcyclopentadienyl)-, tetraethylammonium, hydrate, 34:168
- Iridate, tridecacarbonyltriosmium-, bis(triphenylphosphoranylidene)ammonium, 34:208
- Iridate, tridecacarbonyltriruthenium-, bis(triphenylphosphoranylidene)ammonium, 34:207
- Iridium, (bipyridine)bis[2-(2-pyridyl)phenyl]-, hexafluorophosphate, 35:170

- Iridium, bis(acetylacetonato)-
(acetylacetonato- C^3)aquo-, 35:174
- Iridium, bis(acetylacetonato)-
(acetylacetonato- C^3)pyridine-, 35:176
- Iridium, bis(acetylacetonato)-
(acetylacetonato- C^3)-, dimer, 35:175
- Iridium, bis(1,3-dimethylimidazolylidene)-
(1,5-cyclooctadiene)-,
hexafluorophosphate, 35:90
- Iridium, (μ -chloro)bis[5-fluoro-2-(5-
methyl-2-pyridyl)phenyl]-,
dimer, 35:171
- Iridium, (μ -chloro)bis[2-(2-pyridyl)-
phenyl]-, dimer, 35:169
- Iridium, chloro(thiocarbonyl)bis-
(triphenylphosphine)-, 33:244
- Iridium, 1,5-cyclooctadiene-, supported on
polyoxoanion, 31:192
- Iridium, dichlorohydrobis-
(tricyclohexylphosphine)-, 32:304
- Iridium, dichlorohydrotris-
(triphenylphosphine)-, 32:306
- Iridium, dichlorotris[bis[bis-
(trifluoroethoxy)phosphino)-
methylamine]di-, 35:167
- Iridium, pentahydrobis-
(tricyclohexylphosphine)-, 32:305
- Iridium, tetracarbonylbis(μ -2-
methylpropanethiolato)di-, 34:125
- Iridium, trichlorotris(tetrahydrothiophene)-,
36:166
- Iridium, trihydrotris(triphenylphosphine)-,
32:307
- Iridium, tris(allyl)-, 36:168
- Iron
bis{2,6-bis(2,4,6-trimethylphenyl)
phenyl}, 37:59
- bis{bis(trimethylsilyl)amido}, dimer,
37:4
- bis{bis(trimethylsilylamido)}, (thf)
complex, 37:4
- bis(dppe)Ni(I)(μ -pdt),
tricarbonyl, 37:168
- bis(dppe)Ni(II)(μ -H), tricarbonyl
tetrafluoroborate, 37:169
- bis{ η 4-naphthalene, potassium(18-
crown-6)thf salt, 37:70
- (η 5-cyclopentadienyl)(1,2,3,4- η 4-
naphthalene), potassium-18-crown-6
salt, 37:79
- dimesityl, dimer, 37:51
- dimesityl, pyridine complex, 37:54
- Iron, bis(aminocyclopentadienyl)-, 36:69
- Iron, bis(aminocyclopentadienyl)-,
hexafluorophosphate, 36:70
- Iron, bis(aminocyclopentadienyl)-,
trifluoromethanesulfonate, 36:71
- Iron, bis[bis(trimethylsilyl)amido]-,
35:138, 37:4
- Iron, bis(bromocyclopentadienyl)-, 36:67
- Iron, bis(bromocyclopentadienyl)-, one-pot
preparation from ferrocene, 36:68
- Iron, bis[2,6-di(mesityl)phenylthiolato]-,
35:141
- Iron, bis(lithiocyclopentadienyl)-, N,N,N' ,
 N' -tetramethylethylenediamine, 36:66
- Iron, bis(2,4-pentanedionato)-, 31:267
- Iron, bis[tris[(methylthio)methyl]-
phenylborato]-, 32:112
- Iron, bis(trifluoromethanesulfonato)-, 33:80
- Iron, chloro[bis(3-
salicylidenoaminopropyl)-
methylamine]-, 34:142
- Iron, (μ -cyano)carbonyl(cyclopentadienyl)-,
2:2 complex with [1,3-bis
(dicyclohexyl)-phosphino]propane]
copper, 34:177
- Iron, (μ -cyano)carbonyl(cyclopentadienyl)-,
2:2 complex with bis[tri(p-tolyl)-
phosphino]copper, 34:176
- Iron, (μ -cyano)carbonyl(cyclopentadienyl)-,
2:2 complex with bis-
(tricyclohexylphosphino)
copper 34:175
- Iron, (μ -cyano)carbonyl(cyclopentadienyl)-,
2:2 complex with (tricyclo-
hexylphosphino)copper, 34:174
- Iron, cyano(cyclopentadienyl)[1,2-bis-
(diphenylphosphino)ethane]-, 34:161
- Iron, (cyclopentadienyl)-[(diphenyl-
phosphino)-acetylcyclopentadienyl]-,
31:141
- Iron, (cyclopentadienyl)-
(pentamethylcyclopentadienyl)-, 31:215
- Iron, dicarbonyltris-
(dimethylphenylphosphine)-, 31:205
- Iron, dicarbonyltris(tributylphosphine)-,
31:204
- Iron, dicarbonyltris(triethyl phosphite)-,
31:206

- Iron, dicarbonyltris(trimethyl phosphite)-, 31:206
 Iron, dicarbonyltris(triphenyl phosphite)-, 31:207
 Iron, (β -diketiminato)chloro-, 35:38; 35:41
 Iron, di(μ -sulfido)hexacarbonyldi-, 31:112
 Iron, di(μ_3 -tellurido)decacarbonyltri-, 31:114
 Iron, hexaaqua-, bis(*p*-toluenesulfonate), 33:98
 Iron, hexacarbonyl(1,3-propanedithiolato)-, 35:144
 Iron, hexakis(acetonitrile)-, bis-(tetrafluoroborate), 33:76; 33:78
 Iron, hexakis(acetonitrile)-, bis[tetrakis[3,5-bis(trifluoromethyl)phenyl]borate], 33:87
 Iron, (pentamethylcyclopentadienyl)(2,4-pentanedionato)-, 31:215
 Iron, tetra(μ -cyano)octakis(bipyridine)tetra-, tetrakis(hexafluorophosphate), 34:178
 Iron, tetra(μ -cyano)hexakis(bipyridine)-dicopper(II)di-, tetrakis-(hexafluorophosphate), 34:180
 Iron, tetra(μ -cyano)octakis(bipyridine)-dicobalt(II)di-, tetrakis-(hexafluorophosphate), 34:179
 Iron, tetra(μ_3 -thio)tetra-, 1:4 complex with (μ -cyano)(cyclopentadienyl)[1,2-bis-(diphenylphosphino)ethane]iron, bis-(hexafluorophosphate), 34:164
 Iron, tetra(μ_3 -thio)tetrachlorotetra-, bis-(tetraphenylphosphonium), 34:163
 Iron, tetra(μ_3 -thio)tetra-, 1:4 complex with (μ -cyano)pentacarbonyltungsten, bis-(tetraphenylphosphonium), 34:165
 Iron, tricarbonylbis(diphenylphosphine)-, 31:212
 Iron, tricarbonylbis(methyldiphenylphosphine)-, 31:212
 Iron, tricarbonylbis(tributylphosphine)-, 31:213
 Iron, tricarbonylbis(triphenylphosphine)-, 31:211
 Iron, tris(*p*-toluenesulfonato)-, 33:99
 Iron anionic complexes, see Ferrate
 Iron diindium tetrasulfide, 33:138
 Iron sandwich compounds with polyoxotungstate anions, 33:52
 Isobutylene sulfide, 32:94
 Isocyanide
 bis-2,6(2,6-di-*iso*-propylphenyl)phenyl, 37:113
 bis-2,6(2,4,6-trimethylphenyl)phenyl, 37:111
 Isocyanides, *para*-substituted phenyl-, 34:24
 Jolly, William Lee, 36:xi
 Kaesz, Herbert David, 36:xiii
 Keggin structure polyoxometalates, 36:210
 Kirschner, Stanley, 35:xi
 Kleinberg, Jacob, 36:ix
 Lead
 bis-2,6(2,6-di-*iso*-propylphenyl)phenyl, 37:61
 bis-2,6(2,4,6-trimethylphenyl)phenyl, 37:61
 bis{bis(trimethylsilyl)amido}, 37:29
 Lead, tetrairon carbonyl complex of, 31:225
 Lead, tetrakis(diphenylmethylene-thiophosphinato)digold, 33:176
 Lead selenide nanocrystal quantum dots, mid-infrared emitting, 36:198
 Lithium
 2,6-bis(2,6-di-*iso*-propylphenyl)phenyl, diethyletherate salt, 37:95
 2,6-bis(2,6-di-*iso*-propylphenyl)phenyl, dimeric salt, 37:94
 bis(tetrahydrofuran)(η^5 -cyclopentadienyl)(η^4 -naphthalene)iron, 37:78
 2,6-bis(2,4,6-tri-*iso*-propylphenyl)phenyl, diethyletherate salt, 37:96
 2,6-bis(2,4,6-tri-*iso*-propylphenyl)thiolate, dimeric salt, 37:199
 2,6-bis(2,4,6-trimethylphenyl)phenyl, dimeric salt, 37:59
 tris(diethylether)trichloro(2,6-diphenyl)phenyl gallium, 37:66
 Lithium, allyl-, 36:166
 Lithium, [bis(trimethylsilyl)amido]-(diethylether)-, 31:95
 Lithium, [tris(trimethylsilyl)silyl]tris-(tetrahydrofuran)-, 31:163
 Luminescent ruthenium complex, 33:10

MacDiarmid, Alan G., 35:xviii

Magnesium

- 2,4-bis(2,6-di-*iso*-propylphenylimido) pentyliodido diethyletherate, 37:41
- bis{2,4-bis(2,6-di-*iso*-propylphenylimido)pentyl}, Mg(I)-Mg(I) bonded, 37:43
- 2,4-bis(2,4,6-trimethylphenylimido) pentyliodido diethyletherate, 37:41
- bis{2,4-bis(2,4,6-trimethylphenylimido) pentyl}, Mg(I)-Mg(I) bonded, 37:44
- bis{ η^5 -1,2,4-*tert*-butylcyclopentadienide}, 37:203

Magnesium, di(*n*-butyl)-, 35:122

Manganese

- bis{2,6-bis(2,4,6-trimethylphenyl) phenyl}, 37:59
- bis{bis(trimethylsilyl)amido}, bis(tetrahydrofuran) complex, 37:12
- bis{bis(trimethylsilyl)amido}, dimer, 37:10
- bis{bis(trimethylsilyl)amido}, tetrahydrofuran complex, 37:10
- Manganese, [1,4-bis(2-pyridylmethyl)-triazacyclononane]-, 6:1 complex with hexacyanoferrate, octaperchlorate, pentahydrate, 34:137
- Manganese, [1,4-bis(2-pyridylmethyl)-triazacyclononane]aqua-, bis-(perchlorate), 34:137
- Manganese, bis(*p*-toluenesulfonato)-, 33:101
- Manganese, bis(trifluoromethanesulfonato)-, 33:80
- Manganese, bromotricarbonyldi(pyridine)-, 36:148
- Manganese, 9:6 complex with octacyanomolybdate, tetracontamethanolate, 34:158
- Manganese, (cyclopentadienyl)tricarbonyl-, 36:63
- Manganese, diacetate, tetrakis[manganese-(salicylhydroximate)]-, 33:73
- Manganese, (β -diketiminato)iodo-, dimer, 35:35
- Manganese, (β -diketiminato)iodo-(tetrahydrofuran)-, 35:34
- Manganese, (disulfido)heptacarbonyldi-, 36:122
- Manganese, hexakis(acetonitrile)-, bis-[tetrakis[3,5-bis(trifluoromethyl) phenyl]- borate], 33:86

Manganese, 12-metallacrown-4 complexes, 33:70

Manganese, oxo carboxylates, dodecanuclear complexes, 33:61

Manganese, (pentamethylcyclopentadienyl)-tricarbonyl-, 36:63

Manganese, tetraaqua-, bis(*p*-toluenesulfonato), 33:77; 33:78

Manganese, tetracarbonyl[1,2-bis-(diphenylphosphino)ethane]-, tetrafluoroborate, 32:300

Manganese, tetrakis(acetonitrile)-, bis-(tetrafluoroborate), 33:77; 33:78

Manganese, tricarbonyl(η^6 -acenaphthene)-, tetrafluoroborate, 35:117

Manganese, tricarbonyl[1,2-bis-(diphenylphosphino)ethane] (*p*-toluenesulfonato)-, 32:301

Manganese, tricarbonyl(η^6 -*N,N*-dimethylaniline), tetrafluoroborate, 35:118

Manganese, tricarbonylhydrido[1,2-bis-(diphenylphosphino)ethane]-, 32:298

Manganese, tricarbonyl(η^6 -naphthalene)-, tetrafluoroborate, 35:118

Mercapto

2,6-bis(2,6-di-*iso*-propylphenyl) benzene, 37:117

2,6-bis(2,4,6-tri-*iso*-propylphenyl) benzene, 37:118

Mercury, bis[bis(trimethylsilyl)amido]-, 31:25

Mercury, bis(diphenylmethylene-thiophosphinato)-, 33:177

Mercury, bis(diphenylmethylene-thiophosphinato)-, complexes with gold chlorides, 33:178; 33:179

Mercury, bis[2,4,6-trimethyl-benzenetellurolato]-, 31:27

Mercury, bis[2,4,6-tri(*tert*-butyl)-benzeneselenolato]-, 31:26

Mercury, bis[2,4,6-tri(*tert*-butyl)-benzenethiolato]-, 31:25

Mercury, quaternary selenophosphates of, 33:124

Metal-metal bonds, compounds with, 36:78

Metal-organic frameworks, MOF-5 and MOF-177, 35:102

Methane, bis(2-picolinyl)-, 35:75

- Methane, bis(pyrazolyl)-, 32:58; 34:139
- Methane, bis(pyrazolyl)(*N*-methylimidazolyl)-, 34:33
- Methane, bis(pyrazolyl)(2-pyridylmethyl)-, 34:32
- Methane, bis(trimethylsilyl)chloro-, 31:128
- Methane, 2,2'-dipyrryl-, 33:59
- Methane, tris[3-(*tert*-butyl)pyrazolyl]-, 32:63
- Methane, tris(3-phenylpyrazolyl)-, 32:61
- Methane, tris(2-picolinyl)-, 35:74
- Methane, tris(pyrazolyl)-, 32:59
- Methanimidamide, tris(*N*-trimethylsilyl)-, 31:96
- Methanone, bis(pyrazolyl)-, 34:31
- Moeller, George Therald, 36:*vii*
- MOF-5, Zn₄O(terephthalate)₃, 35:103
- MOF-177, Zn₄O(1,3,5-benzenetribenzoate)₂, 35:106
- Molybdate, polyoxo-, spherical cluster with acetate ion, hydrate, [NH₄]₄₂[Mo^{VI}₇₂Mo^V₆₀O₃₇₂-(CH₃COO)₃₀(H₂O)₇₂] • ~300H₂O, 34:191
- Molybdate, polyoxo-, spherical cluster with hypophosphite ion, hydrate, [NH₄]₄₂[Mo^{VI}₇₂Mo^V₆₀O₃₇₂(H₂PO₂)₃₀(H₂O)₇₂] • ~300H₂O 34:196
- Molybdate, polyoxo-, wheel-shaped cluster, hydrate, Na₁₅[Mo^{VI}₁₂₆Mo^V₂₈O₄₆₂H₁₄(H₂O)₇₀]_{0.5} [Mo^{VI}₁₂₄Mo^V₂₈O₄₅₇H₁₄-(H₂O)₆₈]_{0.5}] • ~400H₂O, 34:197
- Molybdate, polyoxo-, wheel-shaped cluster with hypophosphite ion, hydrate, Na₂₁[Mo^{VI}₁₂₆Mo^V₂₈O₄₆₂H₁₄-(H₂O)₅₄(H₂PO₂)₇] • ~300H₂O, 34:199
- Molybdate, tetroxo-, 4:4 complex with (η⁶-1-*iso*-propyl-4-methylbenzene)-ruthenium, 34:200
- Molybdenate, hexabromo(heptasulfido)tri-, bis(tetraethylammonium), 33:166
- Molybdenate, octacyano-, 6:9 complex with manganese, nickel, or cobalt, tetracontamethanolate, 34:158
- Molybdenate, octacyano-, tetrapotassium, dihydrate, 34:157
- Molybdenate, octacyano-, tris-(tetrabutylammonium), 34:158
- Molybdenate, tetradecachlorohexa-, hexahydrate 36:10
- Molybdenate, tricarbonyltetrakis-[(methylthio)methyl]borato-, tetrabutylammonium, 32:111
- Molybdenate, tridecasulfidotri-, diammonium, dihydrate, 33:166
- Molybdenum, bis(*N,N'*-di-*p*-anisylformamidinato)tetrakis(acetonitrile)di-, bis(tetrafluoroborate), 36:87
- Molybdenum, bis(μ₂-malonato)bis[bis-(*N,N'*-bi-*p*-anisylformamidinato)di-, 36:92
- Molybdenum, bis(pentamethylcyclopentadienyl)dichloro-, 36:59
- Molybdenum, bis(pentamethylcyclopentadienyl)dihydrido-, 36:61
- Molybdenum, bis(pentamethylcyclopentadienyl)hexacarbonyldi-, mixture with tetracarbonyl, 32:210
- Molybdenum, chlorodioxo-(pentamethylcyclopentadienyl)-, 32:211
- Molybdenum, dibromo(dioxo)bis-(dimethylformamide)-, 34:51
- Molybdenum, dibromo(dioxo)bis-(dimethylsulfoxide)-, 34:52
- Molybdenum, dibromo(dioxo)bis-(triphenylphosphineoxide)-, 34:53
- Molybdenum, dibromo(dioxo)diaqua-, 34:50
- Molybdenum, dichlorodioxobis-(dimethylsulfoxide)-, 31:246
- Molybdenum, dichloro(μ-oxo)dioxobis-(pentamethylcyclopentadienyl)di-, 32:212
- Molybdenum, dichlorooxo-(pentamethylcyclopentadienyl)-, 32:213
- Molybdenum, diiodo(tricarbonyl)bis-(acetonitrile)-, 33:240
- Molybdenum, (μ₂-*N,N'*-diphenylterephthaloyldiamidato)bis[tris-(*N,N'*-di-*p*-anisylformamidinato)di-, 36:90
- Molybdenum, dodecachlorohexa-, 36:12
- Molybdenum, hexa(*tert*-butoxy)di-, 36:96
- Molybdenum, hexakis(2-trifluoromethyl-2-propoxy)di-, 36:97
- Molybdenum, [hydridotris(pyrazolyl)-borato][η³-(methoxycarbonyl)propenyl]-dicarbonyl-, 34:105

- Molybdenum, (μ_2 - η^2 , η^2 -molybdato)bis [tris- (*N,N'*-di-*p*-anisylformamidinato) di-, 36:89
- Molybdenum, oxodichloro[hydrotris- (3,5-dimethylpyrazolyl)borato]-, 33:43
- Molybdenum, oxo(ethyleneglycolato)-[hydrotris(3,5-dimethylpyrazolyl)-borato]-, 33:44
- Molybdenum, oxo[hydrotris(3,5-dimethylpyrazolyl)borato]-, complexes with catechol-derivatized zinc, iron, and copper porphyrins, 33:39
- Molybdenum, (μ_2 -succinato)bis[tris(*N,N'*-di-*p*-anisylformamidinato)di-, 36:88
- Molybdenum, tetra(acetato)di-, 36:79
- Molybdenum, tetrabromo(heptaselenido)-tri-, 33:164
- Molybdenum, tetrabromo(heptasulfido)tri-, 33:164
- Molybdenum, tetracarbonylbis-(pentamethylcyclopentadienyl)di-, mixture with hexacarbonyl, 32:210
- Molybdenum, tetrachlorobis(diethyl ether)-, 36:16
- Molybdenum, tetrakis(*N,N'*-di-*p*-anisylformamidinato)di-, 36:84
- Molybdenum, tetrakis(μ_2 -oxalato)tetrakis-[bis(*N,N'*-di-*p*-anisylformamidinato) di-, 36:93
- Molybdenum, tetrakis(μ_3 -trimesate) hexakis-[bis(*N,N'*-di-*p*-anisylformamidinato)di-, 36:94
- Molybdenum, tetraselenido(nonaqua)tri-, 33:168
- Molybdenum, tetrasulfido(decaqua)tri-, complexes with iron, cobalt, nickel, copper, indium, and tin, 33:150
- Molybdenum, tetrasulfido(nonaqua)tri-, 33:145; 33:165; 33:166; 33:167
- Molybdenum, tribromotriammine-, 32:205
- Molybdenum, tribromotris-(tetrahydrofuran)-, 32:199
- Molybdenum, tricarbonyl(η^6 -toluene)-, 32:200
- Molybdenum, tricarbonyl(1,3,5-trimethyl-triazacyclohexane)-, 35:112
- Molybdenum, tricarbonyltris(pyridine)-, 34:104
- Molybdenum, trichlorotriammine-, 32:205
- Molybdenum, trichlorotris-(tetrahydrofuran)-, 36:17
- Molybdenum, triiodotriammine-, 32:205
- Molybdenum, triiodotris(tetrahydrofuran)-, 32:202
- Molybdenum, (μ_3 -trimesate)tris[tris(*N,N'*-di-*p*-anisylformamidinato)di-, 36:91
- Molybdenum, tris(μ_2 -*eq,eq*-1,4-cyclohexanedicarboxylato)tris[bis(*N,N'*-di-*p*-anisylformamidinato)di-, 36:92
- Molybdenum, tris(*N,N'*-di-*p*-anisylformamidinato)dichlorodi-, 36:86
- Molybdenum, tris(trifluoromethanesulfonato)triammine-, 32:204
- Molybdic acid, chloro, 36:10
- 12-Molybdophosphate, tris(ammonium), 36:211
- 12-Molybdophosphoric acid, 36:215
- Nacnac ligands, See β -Diketiminato ligands
- Neodymium, tetrakis(μ_3 -hydroxo) hexa- (alanine)decaquatetra-, octaperchlorate, 34:184
- Nickelate, complex with water soluble phosphine, 32:23
- Nickelate, cyanato[2,2'-(methylimino)bis-(ethaneselenolato)]-, tetraethylammonium, 32:106
- Nickelate, cyanato[2,2'-[(2-(methylthio)-ethyl)imino]bis(ethanethiolato)]-, tetraethylammonium, 32:105
- Nickel (dppe)(μ -H)(μ -pdt) iron tricarbonyl tetrafluoroborate, 37:169
- (dppe)(μ -pdt) iron tricarbonyl, 37:168
- (dppe)(pdt), 37:167
- Nickel, bis(acetonitrile)tetrakis(2,20-dipyridylamido)tri-, hexafluorophosphate, 36:108
- Nickel, bis(acetylacetonato)-, trimer, 35:121
- Nickel, bis[bis(diethylphosphinomethyl)-methylamine]-, 35:132
- Nickel, bis[bis(diethylphosphinomethyl)-methylamine]-, bis(tetrafluoroborate), 35:135
- Nickel, bis[bis(pyrazolyl)methane]-, 3:2 complex with hexacyanoferrate, heptahydrate, 34:139

- Nickel, bis[bis(pyrazolyl)methane]diaqua-, dinitrate, 34:139
- Nickel, bis(1,5-cyclooctadiene)-, 35:123
- Nickel, *N,N'*-bis(2-mercaptidoethyl)-1,4-diazacycloheptane-, 36:234
- Nickel, *N,N'*-bis(2-mercaptidoethyl)-1,4-diazacycloheptane-, acetylation of, 36:327
- Nickel, *N,N'*-bis(2-mercaptidoethyl)-1,4-diazacycloheptane-, sulfur dioxide adduct, 36:236
- Nickel, *N,N'*-bis(2-mercaptidoethyl)-1,5-diazacylooctane-, 32:96
- Nickel, *N,N'*-bis(2-mercaptido-2-methylpropane)-1,5-diazacylooctane-, 32:96
- Nickel, bis[μ -[2,2'-(methylimino)bis-(ethaneselenolato)]]di-, 32:101
- Nickel, bis[μ -[2,2'-(methylimino)bis-(ethanethiolato)]]di-, 32:99
- Nickel, bis[μ -[2,2'-[[2-(methylthio)ethyl]-imino]bis(ethanethiolato)]]di-, 32:103
- Nickel, bis(thiocyanato)[(S,S)-chiraphos]-, 31:134
- Nickel, bis(1,2,6,7-tetracyano-3,5-diimino-dihydropyrrolizinido)-, 34:73
- Nickel, bis(*p*-toluenesulfonato)-, 33:101
- Nickel, bis(trifluoromethanesulfonato)-, 33:80
- Nickel, 9:6 complex with octacyanomolybdate, tetracontamethanolate, dihydrate, 34:158
- Nickel, 9:6 complex with octacyanotungstenate, tetracontamethanolate, dihydrate, 34:159
- Nickel, dicarbonyl(μ -carbonyl)bis[μ -bis(diphenylphosphino)methane]di-, 33:210
- Nickel, dichlorotetrakis(2,2'-dipyridylamido)tri-, 36:105
- Nickel, *N,N'*-(4,5-dihydroxyphenylene)bis-(salicylideneiminato)-, 33:118
- Nickel, di(*isocyanomethane*)(μ -isocyanomethane)bis[μ -bis-(diphenylphosphino)methane]di-, 33:211
- Nickel, (β -diketiminato)chloro-, dimer, 35:48
- Nickel, (β -diketiminato)iodo(2,4-lutidine)-, 35:45
- Nickel, (β -diketiminato)(2,4-lutidine)-, 35:46
- Nickel, hexaaqua-, bis(*p*-toluenesulfonato), 33:100
- Nickel, hexakis(acetonitrile)-, bis[tetrakis-[3,5-bis(trifluoromethyl)phenyl]borate], 33:88
- Nickel, hexakis(acetonitrile)-, bis(tetrafluoroborate), 33:76; 33:78
- Nickel, hydridobis[bis(diethylphosphinomethyl)methylamine]-, hexafluorophosphate, 35:134
- Nickel, [3,3'-(1,3-propanediylidene-dinitrilo)bis(3-methyl-2-butanone)dioximato]-, 31:275
- Nickel, tetracyano-, 6:8 complex with (1,4,7-trimethyl-1,4,7-triazacyclononane)chromate, dodecabromide, pentacosahydrate, 34:154
- Nickel, (1,2,6,7-tetracyano-3,5-diimino-dihydropyrrolizinido)- (dipivaloylmethanido)-, 34:75
- Nickel, (tetramethylenepentamine)-, 2:1 complex with hexacyanochromate, chloride, 34:147
- Nickel, (tetramethylenepentamine)-, 6:1 complex with hexacyanochromate, nonachlorate, 34:148
- Niobate, di(phosphate) (pentadecatungstate)- tri-, nona(tetrabutylammonium), 31:187
- Niobate, hexa-, hydrogen heptapotassium, 31:188
- Niobium, bis(pentamethylcyclopentadienyl)-dichloro-, 36:55
- Niobium, bis(pentamethylcyclopentadienyl)tetrahydroborato-, 36:55
- Non-innocent ligand complex, 35:95
- OBISDIEN (1,4,7,13,16,19-hexaza- 10,22-dioxacycotetracosane, 32:117
- OBISTREN (7,19,30-trioxa-1,4,10,13,16,22,27,32-octaazabicyclo-[11.11.11]pentatriacontane), 32:114

- Osmate, carbidotetracosacarbonyldeca-, disodium, 34:220
- Osmate, (μ -hydrido)dodecacarbonyltetra-, dipotassium, 34:220
- Osmate, tetra(μ -hydrido)tetracosacarbonyldeca-, disodium, 34:223
- Osmate, tridecacarbonyliridiumtri-, bis-(triphenylphosphoranylidene)-ammonium, 34:208
- Osmate, undecacarbonyltri-, bis[bis-(triphenylphosphoranylidene)-ammonium], 32:278
- Osmate, undecacarbonyltri-, dipotassium, 32:274
- Osmic acid, hexabromo-, 36:74
- Osmium, bis(bipyridine)[2,3-bis(2-pyridyl)-benzoquinoxaline]-, bis-(hexafluorophosphate), 33:32
- Osmium, bis(bipyridine)[2,3-bis(2-pyridyl)-pyrazine]-, bis(hexafluorophosphate), hydrate, 33:30
- Osmium, bis(bipyridine)[2,3-bis(2-pyridyl)-quinoxaline]-, bis(hexafluoro-phosphate), 33:31
- Osmium, bis(pentamethylcyclopentadienyl)tetrabromodi-, 36:75
- Osmium, decacarbonyltri-, on silica, 34:216
- Osmium, di(μ -chloro)dichloro-hexacarbonyldi-, 34:219
- Osmium, (μ -hydrido) (μ -hydroxo)-decacarbonyltri-, 34:216
- Osmium, nonacarbonyl(μ_3 - η^2 : η^2 : η^2 -fullerene-60)tri-, 34:226
- Osmium, octacarbonyl(triphenylphosphine)(μ_3 - η^2 : η^2 : η^2 -fullerene-60)tri-, 34:227
- Osmium, (pentamethylcyclopentadienyl)-bromo(1,5-cyclooctadiene)-, 36:76
- Osmium, supramolecular complexes of bipyridine and quinoxaline ligands, 33:26
- Oxalate, tetrathio-, tetraethylammonium, electrochemical synthesis of, 36:195
- 2-Oxazoline, 2-(2'-hydroxyphenyl)-, 34:54
- Oxime, [3,3'-(1,3-propanediylidene-dinitrilo)bis(3-methyl-2-butanone)di-, 31:273
- Palladate, complex with water soluble phosphine, 32:22; 32:25
- Palladium
- tris(dibenzylideneacetone)di-, chloroform, 37:183
- Palladium, bis[2-(diphenylphosphino)-1-phenylethanonato]-, 31:142
- Palladium, bromo(methyl)(*N,N,N',N'*-tetramethylethylenediamine)-, 32:168
- Palladium, chloro(methyl)(2,2'-bipyridine)-, 32:171
- Palladium, chloro(methyl)bis-(triphenylphosphine)-, 32:170
- Palladium, chloro(methyl)(*N,N,N',N'*-tetramethylethylenediamine)-, 32:168
- Palladium, diacetate, trinuclear, 36:171
- Palladium, dibromobis(dimethylsulfide)-, 32:164
- Palladium, di(μ -bromo)dimethylbis-(dimethylsulfide)di-, 32:166
- Palladium, dichlorobis(dimethylsulfide)-, 32:163
- Palladium, dichloro[1,1'-bis-(diphenylphosphino)ferrocene]-, 32:169
- Palladium, di(μ -chloro)dimethylbis-(dimethylsulfide)di-, 32:165
- Palladium, di(μ -iodo)dimethylbis-(dimethylsulfide)di-, 32:166
- Palladium, dimethyl(*N,N,N',N'*-tetramethylethylenediamine)-, 32:167
- Palladium, dimethyl[bis(1,1'-diphenylphosphino)ferrocene]-, 32:169
- Palladium, dimethylbis-(triphenylphosphine)-, 32:170
- Palladium, dimethyl(pyridazine)-, 32:164
- Palladium, iodo(methyl)*N,N,N',N'*-tetramethylethylenediamine)-, 32:169
- Parry, Robert W., 35:xv
- Pentafluorophenyl
- tetrakis, borate salts, 37:190
- tris, aluminum toluene complex, 37:151
- Pentamethylcyclopentadienyl
- bis, alane, 37:159
- aluminum, 37:144, 37:149
- iron, naphthalene, 37:79
- bis, zinc, 37:38
- zinc, dimer, 37:39

- Pentane, 2,4-bis[2,6-di(*iso*-propyl)phenyl]-imido-, 35:9
- Pentane, 2,4-bis(mesitylimido)-, 35:5
- Pentane, bis[di(*p*-(3-phenylpropyl)phenyl)-phosphino]-, 32:25
- Pentanediol, (-)-(2*R*,4*R*)-, ditosylate, 32:34
- Pentyl
- 2,4-bis(2,6-di-*iso*-propylphenylimido), magnesium complex, 37:43
 - 2,4-bis(2,4,6-trimethylphenylimido), magnesium complex, 37:44
- Pentyl, 2,4-bis(2,6-dimethylphenylimido)-, chromium complex, 35:32
- Pentyl, 2,4-bis(2,6-dimethylphenylimido)-, vanadium complex, 35:31
- Pentyl, 2,4-bis[2,6-di(*iso*-propyl)-phenylimido]-, copper complex, 35:54
- Pentyl, 2,4-bis[2,6-di(*iso*-propyl)-phenylimido]-, lithium, 35:10
- Pentyl, 2,4-bis[2,6-di(*iso*-propyl)-phenylimido]-, manganese complex, 35:34; 35:35
- Pentyl, 2,4-bis[2,6-di(*iso*-propyl)-phenylimido]-, nickel complex, 35:48
- Pentyl, 2,4-bis[2,6-di(*iso*-propyl)-phenylimido]-, scandium complex, 35:10
- Pentyl, 2,4-bis[2,6-di(*iso*-propyl)-phenylimido]-, titanium complex, 35:25
- Pentyl, 2,4-bis[2,6-di(*iso*-propyl)-phenylimido]-, vanadium complex, 35:28
- Pentyl, 2,4-bis[2,6-di(*iso*-propyl)-phenylimido]-, zinc complex, 35:36
- Pentyl, 2,4-bis(mesitylimido)-, copper complex, 35:52
- Pentyl, 2,4-bis(mesitylimido)-, nickel complex, 35:45; 35:46
- Pentyl, 2,4-bis(mesitylimido)-, thallium, 35:6
- Peroxynitrite, tetramethylammonium, 34:40
- 1,10-Phenanthroline, 2,9-dimethyl-, 32:159
- Phenol
- 2,6-bis(2,6-di-*iso*-propylphenyl), 37:121
 - 2,6-bis(2,4,6-tri-*iso*-propylphenyl), 37:211
- Phenol, 2,4-di(*tert*-butyl)-6-(*tert*-butylamino)-, 35:93
- Phenylenediamine, *N,N'*-bis(3,3'-diethoxysalicylidene)-4,5-dihydroxy-, pyridinium bromide co-crystal, 33:117
- Phenylenediamine, *N,N'*-bis(salicylidene)-4,5-dihydroxy-, 33:116
- Phenylenediamine, *N,N'*-bis[3,3',5,5'-tetra-(*tert*-butyl)salicylidene]-4,5-dihydroxy-, etherate, 33:116
- Phosphide
- arsenic, tri, 37:133
 - di-*tert*-butyl, aluminum dimethyl, dimer, 37:138
 - di-*tert*-butyl, gallium dimethyl, dimer, 37:138
 - di-*tert*-butyl, indium dimethyl, dimer, 37:138
- Phosphinate, phenyl-, ethyl ester, 31:144
- Phosphine, (benzoylmethyl)diphenyl-, 31:140
- Phosphine, dimethylphenyl-, rhenium complex, 31:265
- Phosphine, diphenyl-, iron complex, 31:212
- Phosphine, (ferrocenoylmethyl)diphenyl-, 31:141
- Phosphine, methyl-diphenyl-, iron complex, 31:212
- Phosphine, tributyl-, iron complex, 31:213
- Phosphine, tris[2-(1,4-di-(*iso*-propyl)-imidazolyl)]-, 32:68
- Phosphine, tris(hydroxymethyl)-, 35:98
- Phosphine, tris[4-(3-phenylpropyl)phenyl]-, 32:33
- Phosphines, chiral ((*S,S*)-chiraphos), 31:136
- Phosphines, β -keto-, 31:138
- Phosphines, sulfonated water soluble, 32:1; 32:8; 32:29; 32:36
- Phosphite ligands, with hydrazine backbones, 32:132
- Phosphonium, tetrakis(hydroxymethyl)-, chloride, 35:97
- Phosphonium, tris(hydroxymethyl)methyl-, iodide, 35:99
- Phosphorus pentaselenide, di-, 33:123
- Phosphorus
- white, 37:125
- Piperidone, (dimethyl-(1-methyl-4-oxo-bis(2-pyridyl)piperidine)-3,5-dicarboxylate), 35:70
- Platinate, bis(1,4-dithiane), bis-(trifluoromethanesulfonato), 31:282

- Platinate, chloro(diethylenetriamine)-, chloride, 34:78
- Platinate, chloro(methyl)bis-(dimethylsulfide)-, 32:151
- Platinate, chloro(methyl)bis-(dimethylsulfoxide)-, 32:155
- Platinate, chloro(methyl)(1,10-phenanthroline)-, 32:157
- Platinate, chloro(*N,N,N',N'',N'''*-pentamethyldiethylenetriamine)-, chloride, 34:80
- Platinate, chloro(terpyridine)-, chloride, dihydrate, 34:77
- Platinate, dicarbonyl(hexadecacarbonyl-tetraruthenium)di-, 32:281
- Platinate, dichloro(acetonitrile)-(dimethylsulfoxide)-, 33:192
- Platinate, dichlorobis(benzeneacetonitrile)-, 32:146; 32:147
- Platinate, dichlorobis(dimethylsulfide)-, 32:149
- Platinate, dichlorobis(dimethylsulfoxide)-, 32:154; 33:192
- Platinate, dichlorobis(propanenitrile)-, 31:280
- Platinate, dichlorobis(propanoneoxime)-, 34:82, 83
- Platinate, dichlorodiammine-, 32:142
- Platinate, di(μ -chloro)dichlorobis-(dimethylsulfoxide)di-, 33:193
- Platinate, di(μ -chloro)tetrachlorodi-, bis[bis-(triphenylphosphoranylidene)-ammonium], 31:278
- Platinate, dimethyl(1,5-cyclooctadiene)-, 31:285
- Platinate, (dimethylfumarate)(2,9-dimethyl-1,10-phenanthroline)-, 32:160
- Platinate, (2,9-dimethyl-1,10-phenanthroline)(ethene)-, 32:159
- Platinate, dodecachlorohexa-, clathrate with $0.1\text{C}_2\text{H}_5\text{Cl}$, $5.7\text{H}_2\text{O}$, 32:145
- Platinate, (μ_3 -hydrido)-tricarbonyl-[octadecacarbonyltri(μ -hydrido)-hexaruthenium]tri-, 32:283
- Platinate, methyl(terpyridine)-, chloride, 32:156
- Platinate, tetrachloro-, bis[bis-(triphenylphosphoranylidene)-ammonium], 31:277
- Platinate, tetramethylbis- $[\mu$ -(dimethylsulfide)]di-, 32:150
- Platinate, tetrakis(1,4-oxathiane)-, bis-(trifluoromethanesulfonate), 31:282
- Platinate, tetrakis(propanenitrile)-, bis-(trifluoromethanesulfonate), 31:281
- Platinate, tetrakis(dimethylsulfide)-, bis-(trifluoromethanesulfonate), 31:282
- Platinate, tetrakis(dimethylsulfoxide)-, bis-(trifluoromethanesulfonate), 33:194
- Platinate, tetrakis(diphenylmethylene-thiophosphinato)digold-, 33:175
- Platinate, trichlorocarbonyl-, tetraphenylarsonium, 31:244
- Platinate, trichloro(dimethylsulfoxide)-, potassium, 33:191
- Platinate, trichloro(propanoneoxime)-, tetrabutylammonium, 34:82
- Platinum
1R,2R-
diaminocyclohexaneoxalato, 37:179
- Plumbane, see Lead
- Poloxoanions, $[\text{B-}\alpha\text{-PW}_9\text{O}_{34}]^{9-}$, 31:167
- Poloxoanions, $[\text{Nb}_3\text{P}_2\text{W}_{15}\text{O}_{62}]^9$, 31:186
- Poloxoanions, $[\alpha\text{-P}_2\text{W}_{15}\text{O}_{56}]^{12-}$, 31:167
- Poloxoanions, $[\text{P}_2\text{W}_{17}\text{O}_{61}]^{10-}$, transition metal complexes, 32:242
- Porphyrin, 5-(2,3-dihydroxyphenyl)-10,15,20-tri-*p*-tolyl-, 33:43
- Porphyrin, 5-(3,4-dihydroxyphenyl)-10,15,20-tri-*p*-tolyl-, 33:42
- Porphyrin, 5-(2,3-dimethoxyphenyl)-10,15,20-tri-*p*-tolyl-, 33:42
- Porphyrin, 5-(3,4-dimethoxyphenyl)-10,15,20-tri-*p*-tolyl-, 33:40
- Porphyrin, 5,15-diphenyl-, 33:60
- Porphyrin, 5,10,15,20-tetrakis(2,6-dihydroxyphenyl)-, 31:120
- Porphyrin, 5,10,15,20-tetrakis(2,6-dimethoxyphenyl)-, 31:120
- Potassium
bis[{bis(tetrahydrofuran)}bis(μ -N(isopropyl)(phenyl) amido)calcium], 37:21
- N-(*iso*-propylanilide), 37:21
- 2,2,6,6-tetramethylpiperidide, 37:19
- {(18-crown-6)bis(thf)}{bis(1,2,3,4- η 4-anthracene cobaltate)}, 37:67

- {(18-crown-6)bis(thf)}{bis(1,2,3,4-η⁴-anthracene ferrate)}, 37:70
 {bis(1,2-dimethoxyethane),}{bis(1,2,3,4-η⁴-anthracene cobaltate)}, 37:72
 {(18-crown-6),}{(η⁵-pentamethylcyclopentadienyl)(1,2,3,4-η⁴-naphthalene) ferrate)}, 37:79
 Potassium, 2,2,6,6-tetramethyl-3,5-bis(2,6-di-*iso*-propylphenylimido)heptyl-, 35:11
 Propane, 2,2-bis(3-phenylpyrazolyl)-, 32:52
 Propane, 2,2-bis(pyrazolyl)-, 32:52
 Propane, 2,2-bis(7,8,8-trimethyl-4,5,6,7-tetrahydro-4,7-methano-2-indazolyl)-, 32:55
 2-Propanol, 1-(dimethylamino)-, copper complex, 31:296
 2-Propen-1-one, 3-(dimethylamino)-1-(2-pyridyl)-, 32:47
 Pyrazolato, copper complexes, 31:300
 Pyrazolato, 3,5-dimethyl-, ruthenium carbonyl complex, 31:218
 Pyrazolato, ruthenium carbonyl complex, 31:219
 Pyrazole, 3,5-dimethyl-, 33:219
 Pyrazole, *N*-(2-mercaptoethyl)-3,5-dimethyl-, 32:87
 Pyrazole, *N*-(2-hydroxyethyl)-3,5-dimethyl-, 32:83
 Pyrazole, *N*-(2-*p*-toluenesulfonylethyl)-3,5-dimethyl-, 32:85
 Pyrazolylalkane ligands, 32:51; 32:63
 Pyridine, 2-(4-fluorophenyl)-5-methyl-, 35:171
 Pyrrole, 5-amino-3,4-dicyano-2-(1,1,2-tricyanoethanidylidene)-, sodium, 34:71
 Pyrazole, 5-amino-3,4-dicyano-2-(1,1,2-tricyanoethanidylidene)-, tetraphenylarsonium, 34:69
 Pyrrolizine, 5-amino-3-imino-1,2,6,7-tetracyano-, 34:72
 Pyrylium, 2,4,6-trimethyl-, tetrafluoroborate, 36:245
 Quinone, 2,4-di-*tert*-butyl-6-(*tert*-butylimino)-, 35:94
 Quinoxaline, 2,3-bis(2-pyridyl)-, 33:28
 Quinoxaline, 2,3-bis(2-pyridyl)benzo-, 33:29
 Quinuclidine hydrochloride, 31:78
 Rhenate, octachlorodi-, tetrabutylammonium 36:219
 Rhenate, tetrabromooxo-, tetrabutylammonium, 31:259
 Rhenate, tetrabromooxo-, tetraphenylphosphonium, 31:260
 Rhenate, tetrachlorooxo-, tetrabutylammonium, 31:258
 Rhenate, tetrachlorooxo-, tetraphenylphosphonium, 31:260
 Rhenate, tetraoxo-, silver, 33:111
 Rhenate, tetraoxo-, tetrabutylammonium, 36:218
 Rhenate, tetraoxo-, tetrabutylammonium, 31:257
 Rhenate, tetraoxo-, tetraphenylphosphonium, 31:258
 Rhenate, tetrathioper-, tetraethylammonium, 33:107
 Rhenate, tribromotricarbonyl-, bis(tetraethylammonium), 36:151
 Rhenium, (benzoyldiazenido)dichlorobis-(triphenylphosphine)-, 31:263
 Rhenium, chlorooxobis[2-(2'-hydroxyphenyl)-2-oxazoline]-, 34:56
 Rhenium, chlorotetrakis(dimethylphenylphosphine)(dinitrogen)-, 31:265
 Rhenium, dichlorooxo[2-(2'-hydroxyphenyl)-2-oxazoline]- (triphenylphosphine)-, 34:58
 Rhenium, di(μ-hydrido)octacarbonyldi-, 33:208
 Rhenium, dioxotetra(pyridine)-, trifluoromethanesulfonate, 31:254
 Rhenium, iodotetracarbonyl-(dimethylphenylphosphine)-, 31:249
 Rhenium, iodotetracarbonyl-(trimethylphosphite)-, 31:249
 Rhenium, iodotetracarbonyl-(triphenylphosphine)-, 31:249
 Rhenium, methyl(oxo)bis(2-oxyquinoline)-, 36:157
 Rhenium, methyl(oxo)(1,2-ethane-dithiolato)-, dimer, 36:156

- Rhenium, methyl(oxo)(2,2'-thiodiacetato)-(triphenylphosphine)-, 36:158
- Rhenium, methyltrioxo-, 33:111
- Rhenium, oxo[bis(2-(2'-hydroxyphenyl)-2-oxazoline)-, trifluoromethanesulfonate, 34:57
- Rhenium, tetra(acetato)dichlorodi-, 36:221
- Rhenium, tricarbonyl(pyridine)(2,2'-bipyridine)-, trifluoromethanesulfonate, 33:228
- Rhenium, tricarbonyltris(pyridine)-, trifluoromethanesulfonate, 33:228
- Rhenium, trichlorooxo(dimethylsulfide)-(triphenylphosphineoxide)-, 34:55
- Rhenium, tris[1,2-bis(dimethylphosphino)-ethane]-, trifluoromethanesulfonate, 31:254
- Rhodate, chlorocarbonylbis[tris(3-sulfonatophenyl)phosphine]-, hexasodium, 34:124
- Rhodate, complex with water soluble phosphine, 32:4; 32:20
- Rhodate, dichlorodicarbonyl-, benzyltriphenylphosphonium, 34:129
- Rhodate, dichlorodicarbonyl-, dimethylammonium, DMF solution, 34:122
- Rhodate, tricyano(pentamethylcyclopentadienyl)-, tetraethylammonium, hydrate, 34:167
- Rhodium, (acetonitrile)tetra(μ_3 -carbonyl)-undecacarbonylhexa-, 31:240
- Rhodium, bis(acetonitrile)tetra(μ_3 -carbonyl)decacarbonylhexa-, 31:243
- Rhodium, bis(μ -*tert*-butylthiolato)-dicarbonylbis(triphenylphosphine)-di-, 34:123
- Rhodium, chloro(1,5-cyclooctadiene)(1,3-dimethylimidazolylidene)-, 35:89
- Rhodium, 1,5-cyclooctadiene-, supported on polyoxoanion, 31:197
- Rhodium, (1,5-cyclooctadiene)-(methylenebis(*N*-(*tert*-butyl)imidazol-2-ylidene), 35:86
- Rhodium, di(μ -chloro)dichlorobis-[tetramethyl(trifluoromethyl)cyclopentadienyl]di-, 31:236
- Rhodium, dodecacarbonyltetra-, 32:284
- Rhodium, [methylenebis(*N*-(*tert*-butyl)imidazolylidene)](1,5-cyclooctadiene)-, hexafluorophosphate, 35:86
- Rhodium, pentamethylcyclopentadienyl-, 4:4 complex with tricyano-(cyclopentadienyl)cobaltate, tetrakis-(hexafluorophosphate), 34:170
- Rhodium, (2,4-pentanedionato)dicarbonyl-, 34:128
- Rhodium, trichlorotris-(tetrahydrothiophene)-, 36:167
- Rhodium, tris(allyl)-, 36:170
- Rochow, Eugene George, 36:viii
- Rubidium, quaternary selenophosphates of, 33:122
- Ruff, John Keen, 36:xii
- Ruthenate, (μ_6 -carbido)-hexadecacarbonylhexa-, bis-(tetrabutylammonium), 34:212
- Ruthenate, (μ_6 -carbido)(μ -hydrido)-tetracosacarbonyldeca-, tetracarbonyl-(μ -hydrido)bis(pyridine)bis[μ -(2-pyridyl)]diruthenium, 32:289
- Ruthenate, (μ_6 -carbido)(μ -hydrido)-tetracosacarbonyldeca-, tetraphenylphosphonium, 32:290
- Ruthenate, (μ_6 -carbido)(μ -hydrido)-tricosacarbonyl(triphenylphosphine)-deca-, tetracarbonyl(μ -hydrido)bis-(pyridine)bis[μ -(2-pyridyl)]-diruthenium, 32:291
- Ruthenate, (μ_6 -carbido)(μ -hydrido)-tricosacarbonyl(triphenylphosphine)-deca-, tetrakis(tetraphenylphosphonium), 32:292
- Ruthenate, complex with water soluble phosphine, 32:5
- Ruthenate, di(μ_6 -carbido)tetracosacarbonyldeca-, bis[bis-(triphenylphosphoranylidene)ammonium], 36:125
- Ruthenate, di(μ_6 -carbido)tetracosacarbonyldeca-, calcium, 36:124
- Ruthenate, trichlorodicarbonyl-(dimethylformamide)-, bis-(triphenylphosphoranylidene)-ammonium, 34:119
- Ruthenate, (μ -hydrido)undecacarbonyltri-, bis(triphenylphosphoranylidene)-ammonium, 32:268

- Ruthenate, tridecacarbonyliridiumtri-, bis- (triphenylphosphoranylidene)- ammonium, 34:207
- Ruthenate, tris(2,2'-bipyridine-4,4'-dicarboxylato)-, tetrahydrogen, 32:183
- Ruthenate, tris(2,2'-bipyridine-4,4'-dicarboxylato)-, tetrasodium, 32:182
- Ruthenate, undecacarbonyltri-, dipotassium, 32:272
- Ruthenate, undecacarbonyltri-, bis[bis- (triphenylphosphoranylidene)- ammonium], 32:277
- Ruthenium
cis-dichloridobis(dppe), 37:174
cis-dichloridotetrakis(dmsol), 37:172
trans-dichloridobis(dppe), 37:176
- Ruthenium, bis(η^5 -cydoheptadienyl)-, 34:63
- Ruthenium, bis(cyclopentadienyl)-, 34:61
- Ruthenium, bis(η^5 -2,4-dimethylpentadienyl)-, 34:61
- Ruthenium, bis[μ -(3,5-dimethylpyrazolato)]hexacarbonyldi-, 31:218
- Ruthenium,
 bis(hexafluoroacetylacetonato)-dicarbonyl-, 34:115
- Ruthenium, bis(η^5 -indenyl)-, 34:64
- Ruthenium, bis(pentamethylcyclopentadienyl)-, 34:65
- Ruthenium, bis(μ -pyrazolato)-hexacarbonyldi-, 31:219
- Ruthenium, chloro(acetato)tris(*N,N*-di-*p*-anisylformamidinato)di-, 36:119
- Ruthenium, chlorobis(acetato)bis(*N,N*-di-2,6-xylylformamidinato)di-, 36:117; 36:118
- Ruthenium, chloro[hydrotris(pyrazolyl)-borato]bis(triphenylphosphine)-, 33:206
- Ruthenium, chloro(terpyridine)bis-(tribenzylphosphine)-, perchlorate, 32:191
- Ruthenium, chloro(terpyridine)bis-(trimethylphosphine)-, perchlorate, 32:191
- Ruthenium, chlorotetrakis(*N,N*-di-*p*-anisylformamidinato)di-, 36:120
- Ruthenium, chlorotris(acetato)(*N,N*-di-2,6-xylylformamidinato)di-, 36:115
- Ruthenium, (cyclopentadienyl)bis-(triphenylphosphine)chloro-, 36:227
- Ruthenium, (cyclopentadienyl)bis-(triphenylphosphine) (phenylacetylido)-, 36:228
- Ruthenium, dichlorobis(4,4'-dicarboxybipyridine)-, 33:185
- Ruthenium, dichlorodicarbonylbis-(triphenylphosphine)-, 34:120
- Ruthenium, di(μ -chloro)dichlorobis[η^3 : η^3 -2,7-dimethylocta-2,6-diene-1,8-diyl] di-, 34:60
- Ruthenium, dichloro(η^6 -ethylbenzoate)-, 35:162
- Ruthenium, dichloro(terpyridine)-(tribenzylphosphine)-, 32:187; 32:189
- Ruthenium, dichloro(terpyridine)-(trimethylphosphine)-, 32:187; 32:189
- Ruthenium, dichlorotetrakis-(dimethylsulfoxide)-, 35:150; 35:151
- Ruthenium, (η^5 -2,4-dimethylpentadienyl)-(η^6 -benzene)-, tetrafluoroborate, 34:63
- Ruthenium, dithiocyanatobis(4,4'-dicarboxybipyridine)-, tetrahydrate, 33:186
- Ruthenium, dodecacarbonyltri-, 34:110, 210
- Ruthenium, hexaaquo-, bis(*p*-toluenesulfonate), 35:152
- Ruthenium, hexadecacarbonyl-(dicarbonyldiplatinum)tetra-, 32:281
- Ruthenium, (μ -hydrido)[μ -(2-pyridyl)]-decacarbonyltri-, 32:288
- Ruthenium, (μ -hydrido)bis[μ -(2-pyridyl)]-tetracarbonylbis(pyridine)di-, tetracosacarbonyl(μ -hydrido) (μ_6 -carbido) decaruthenate, 32:289
- Ruthenium, (μ -hydrido)bis[μ -(2-pyridyl)]-tetracarbonylbis(pyridine)di-, tricosacarbonyl(μ_3 -hydrido) (μ_6 -carbido)- (triphenylphosphine) decaruthenate, 32:291
- Ruthenium, luminescent polynuclear complexes with bipyridine and bridging 2-pyridylpyrazine ligands, 33:10
- Ruthenium, nitrito(terpyridine)bis-(tribenzylphosphine)-, perchlorate, 32:194

- Ruthenium, nitrito(terpyridine)bis-(trimethylphosphine)-, perchlorate, 32:194
- Ruthenium, nitrosyl(terpyridine)bis-(tribenzylphosphine)-, triperchlorate, 32:196
- Ruthenium, nitrosyl(terpyridine)bis-(trimethylphosphine)-, triperchlorate, 32:196
- Ruthenium, (μ_3 -oxo)hexakis(p-acetato)di-(aquo)carbonyltri-, 35:158
- Ruthenium, (μ_3 -oxo)hexakis(p-acetato)tri-(aquo)tri-, acetate, 35:156
- Ruthenium, (μ_3 -oxo)hexakis(p-acetato)tri-(pyridine)tri-, 35:157
- Ruthenium, supramolecular complexes with bipyridine and quinoxaline ligands, 33:26
- Ruthenium, tetrachlorobis(η^6 -ethylbenzoate)di-, 35:162
- Ruthenium, tetroxo-, 35:153
- Ruthenium, trichloro(terpyridine)-, 32:186
- Ruthenium, tri(μ -hydrido)octadecacarbonyl- [μ_3 -hydridotricarbonyltri(1,3,5-trisubstitutedbenzene)tri(1,3,5-trisubstitutedbenzene)]hexa-, 32:283
- Ruthenium, tris(4,7-diphenyl-1,10-phenanthroline)-, dichloride, 34:66
- Ruthenocene, 34:61
- Ruthenocene, decamethyl-, 34:65
- Scandium, bis(pentamethylcyclopentadienyl)chloro-, 36:43
- Scandium, bis(pentamethylcyclopentadienyl)methyl-, 36:44
- Scandium, bis(pentamethylcyclopentadienyl)(*o*-tolyl)-, 36:46
- Scandium, bis(pentamethylcyclopentadienyl)phenyl-, 36:45
- Scandium, (β -diketiminato)dichloro-, 35:21
- Scandium, trichlorotris(tetrahydrofuran)-, 35:20
- Selenium, tetra-, (Se_4^{2+}), bis-(hexafluoroarsenate), 31:110
- Selenium, tetra-, (Se_4^{2+}), bis-(undecafluorodiantimonate), 31:109
- Selenolate, 2,4,6-tri(*tert*-butyl)benzene-, cadmium complex, 31:22
- Selenolate, 2,4,6-tri(*tert*-butyl)benzene-, mercury(II) complex, 31:26
- Selenolate, 2,4,6-tri(*tert*-butyl)benzene-, zinc complex, 31:20
- Selenol, 2,4,6-tri(*tert*-butyl)benzene-, 31:160
- Selenophosphates of rubidium, indium, and uranium, 33:122
- Shriver, Duward Felix, 36:xii
- Silacyclopentane, 1,1-di(*tert*-butyl)-2,3-dimethyl-, 31:82
- Silane, (chloromethyl)bis(trimethyl-, 31:128
- Silane, 2,2-di(*tert*-butyl)-1,1,1-triethyldi-, 31:84
- Silane, dichlorodihydrido(*N,N,N',N'*-tetraethylethylenediamine)-, 32:294
- Silane, (indenyl)trimethyl-, 32:216
- Silane, methyltris[(*tert*-butylamino)-dimethylsilyl]-, 32:139
- Silane, methyltris(trimethylsilyl)-, 32:137
- Silane, methyltris(chlorodimethylsilyl)-, 32:138
- Silane, triamino[[*N*-2,6-di(*iso*-propyl)phenyl](*N*-trimethylsilyl)amino]-, 33:232
- Silane, trihydroxy[[*N*-2,6-di(*iso*-propyl)phenyl](*N*-trimethylsilyl)amino]-, 33:231
- Silver antimony hexasulfide, hepta-, 33:136
- Silver antimony trisulfide, tri-, 33:136
- Silver arsenic trisulfide, tri-, 33:132
- Silver, tetrakis[3,5-bis(trifluoromethyl)phenyl]borato, 33:86
- Silver, tetrakis(pyridine)-, peroxydisulfate, 32:177
- Silver, trifluoromethanesulfonato-, 34:86
- Silver, trifluoromethanesulfonato-(methyldiphenylphosphine)-, 34:88
- Silver, trifluoromethanesulfonato-(tetrahydrothiophene)-, 34:89
- Silver, trifluoromethanesulfonato-(triphenylphosphine)-, 34:87
- Silyl, tris(trimethylsilyl), lithium tris-(tetrahydrofuran), 31:163
- Sodium 1,3,5-tri-*tert*-butylcyclopentadienide, 37:203
- Stannane, see Tin
- Stibine, see Antimony

- Strontium
 bis{bis(trimethylsilyl)amido}, dimeric complex, 37:25
- Strontium, bis(hexafluoro-2,4-pentanedionato)(tetraglyme)-, 31:4
- Sulfide, ammonium, solution (20%), 33:108
- Sulfide, bis[bis(trimethylsilyl)amino]-, 33:197
- Sulfide, hydro-, see Thiol-
- Sulfonated water soluble phosphines, 32:1; 32:8; 32:29; 32:36
- Sulfoxide, dimethyl-, ruthenium complex, 35:150; 35:151
- Sulfur, diiron carbonyl complex of, 31:112
- Sulfur, tetranitride tetra-, 33:198
- Sulfur, tetra-, (S_4^{2+}),
 bis(hexafluoroarsenate), sulfur dioxide adduct, 31:108
- Sulfur, tetra-, (S_4^{2+}), bis(undecafluoro-diantimonate), 31:109
- Superoxide, tetramethylammonium, 34:37
- Supramolecular arrays based on dimolybdenum compounds, 36:81
- Tantalate, octadecachlorohexa-, tetrakis-(benzyltributylammonium), 36:5
- Tantalum
 tmeda, tetrachloride, 37:197
- Tantalum, bis
 (pentamethylcyclopentadienyl)
 dichloro-, 36:53
- Tantalum, (pentamethylcyclopentadienyl)-tetrachloro-, 36:53
- Tantalum, (pentamethylcyclopentadienyl)-trichloro(trimethylphosphine)-, 36:53
- Tantalum, tetradecabromohexa-, octahydrate, 36:4
- Tantalum, tetradecachlorohexa-, octahydrate, 34:187; 36:3
- Teaching laboratory experiments, 36:203
- Technetate, octachlorodi-,
 tetrabutylammonium, 36:112
- Technetate, oxotetrachloro-,
 tetrabutylammonium, 36:112
- Technetate, tetraoxo-,
 tetrabutylammonium, 36:111
- Technetate, trichlorotricarbonyl-, bis-(tetraethylammonium), 36:152
- Tellurite, tris(*tert*-butylimido)-, lithium, dimer, 34:46
- Tellurium, bis(μ -*tert*-butylimido)bis(*tert*-butylimido)di-, 34:45
- Tellurium, triiron carbonyl complex, 31:114
- Telluroate, 2,4,6-trimethylbenzene-, cadmium complex, 31:23
- Telluroate, 2,4,6-trimethylbenzene-, mercury(II) complex, 31:27
- Telluroate, 2,4,6-trimethylbenzene-, zinc complex, 31:23
- Telluroate, tris(trimethylsilyl)silyl-, lithium bis(tetrahydrofuran), 31:164
- Tellurol, 2,4,6-tri(*tert*-butyl)benzene-, 31:161
- Tellurol, tris(trimethylsilyl)silyl-, 31:165
- Terphenyl
 amine, 2,6-bis(2,6-di-*iso*-propylphenyl) aniline, 37:107
- amine, 2,6-bis(2,4,6-tri-*iso*-propylphenyl)aniline, 37:103
- amine, 2,6-bis(2,4,6-trimethylphenyl) aniline, 37:100
- azide, 2,6-bis(2,6-di-*iso*-propylphenyl) phenyl, 37:106
- azide, 2,6-bis(2,4,6-tri-*iso*-propylphenyl) phenyl, 37:102
- azide, 2,6-bis(2,4,6-trimethylphenyl) phenyl, 37:99
- cobalt, bis{2,6-bis(2,4,6-trimethylphenyl)phenyl}, 37:60
- formamide, 2,6-bis(2,6-di-*iso*-propylphenyl)phenyl, 37:112
- formamide, 2,6-bis(2,4,6-trimethylphenyl)phenyl, 37:110
- germanium, bis{2,6-bis(2,6-di-*iso*-propylphenyl)phenyl}, 37:61
- germanium, bis{2,6-bis(2,4,6-tri-*iso*-propylphenyl)phenyl}, 37:61
- iodide, 2,6-bis(2,6-di-*iso*-propylphenyl) phenyl, 37:92
- iodide, 2,6-bis(2,4,6-tri-*iso*-propylphenyl)phenyl, 37:101
- iodide, 2,6-bis(2,4,6-trimethylphenyl) phenyl, 37:57
- iron, bis{2,6-bis(2,4,6-trimethylphenyl) phenyl}, 37:59
- isocyanide or isonitrile, 2,6-bis(2,6-di-*iso*-propylphenyl)phenyl, 37:113
- isocyanide or isonitrile, 2,6-bis(2,4,6-tri-*iso*-propylphenyl)phenyl, 37:111

- Terphenyl (*cont'd*)
 lithium, 2,6-{bis(2,6-di-*iso*-propylphenyl) phenyl}, diethyletherate, 37:94
 lithium, 2,6-{bis(2,4,6-trimethylphenyl) phenyl}, 37:95
 manganese, bis{2,6-(2,4,6-trimethylphenyl)phenyl}, 37:59
 thiol, 2,6-bis(2,6-di-*iso*-propylphenyl) phenyl, 37:117
 thiol, 2,6-bis(2,4,6-tri-*iso*-propylphenyl) phenyl, 37:118
 thiolate, lithium{2,6-bis(2,4,6-tri-*iso*-propylphenyl)phenyl}, 37:119
 tin, bis{2,6-di-*iso*-propylphenyl) phenyl}, 37:61
 tin, bis{2,4,6-trimethylphenyl) phenyl}, 37:61
 2,2':6',2''-Terpyridine, 32:48; 34:76
 Tetraazacyclododecane, 1-(4-nitrobenzyl)-, 33:214
 Tetraazacyclododecane, 1-(4-nitrobenzyl)-4,7,10-tris- (carbamoylmethyl)-, 33:215
 Tetrabenzocyclohexadecene, octadehydro-, (tetrabenzocyclyne, QBC), 31:125
 Tetrafluoroborate, salts of transition metal acetonitrile cations, 33:75
 Tetrakis[3,5-bis(trifluoromethyl)phenyl]-borate, salts of metal acetonitrile cations, 33:83
 Tetrathiooxalate, tetraethylammonium, electrochemical synthesis of, 36:195
 Thallium, 2,4-bis[(mesityl)imido]pentyl-, 35:4
 Thallium, (2,4-pentanedionato)-, 32:173
 Thallium, phenyltris (diphenylphosphinomethyl) borate, 34:12
 Thallium, tetrairon carbonyl complex of, 31:227
 Thallium, tetrakis(diphenylmethylene-thiophosphinato)gold(I)-, 33:177
 Thiol, 2,6-dimesitylbenzene-, 35:140
 Thiol, 2,4,6-tri(*tert*-butyl)benzene-, 31:159
 Thiolate, 2,4,6-tri(*tert*-butyl)benzene-, cadmium complex, 31:22
 Thiolate, 2,4,6-tri(*tert*-butyl)benzene-, mercury(II) complex, 31:25
 Thiolate, 2,4,6-tri(*tert*-butyl)benzene-, zinc complex, 31:20
 Thiophenol, 4-isocyano-, 34:26
 Tin
 bis{2,6-bis(2,6-di-*iso*-propylphenyl) phenyl}, 37:61
 bis{bis(trimethylsilyl)amido}, 37:28
 bis(2,6-dimesitylphenyl), 37:61
 Tin, diiodo-, 36:240
 Tin, fluorotrimethyl-, as a fluorinating agent; 33:234
 Tin, hexaphenyltris(μ -selenido)tri-, 31:87
 Tin, hexaphenyltris(μ -sulfido)tri-, 31:87
 Tin, (indenyl)tributyl-, 32:217
 Tin, (pentamethylcyclopentadienyl)-tributyl-, 32:208; 36:53
 Tin, tetrafluorido-, 31:92
 Tin, tetrakis(tetracarbonylcobaltate)-, 31:226
 Tin selenide (SnSe), 31:90
 Tin sulfide (SnS), 31:88
 Titanate, hexacarbonyl-, bis[(18-crown-6)-(acetonitrile)potassium], 36:131
 Titanate, tris(catecholato)-, barium, 31:13
 Titanate, tris(catecholato)-, diammonium, 31:12
 Titanium
 tris{(tert-butyl)(3,5-dimethylphenyl) amido}, 37:193
 Titanium, bis[1,2-bis(dimethylphosphino)-ethane]tricarbonyl-, 36:129
 Titanium, bis(pentamethylcyclopentadienyl)dichloro-, 36:47
 Titanium, (β -diketiminato)dichloro-, 35:27
 Titanium, (β -diketiminato)dichloro-(tetrahydrofuran)-, 35:25
 Titanium, fluoro(imidophenyl)-(methylcyclopentadienyl)-, dimer, 33:237
 Titanium, fluoro η^5 (pentamethylcyclopentadienyl)-, tetramer, 33:236
 Titanium, fluorobis(pentamethylcyclopentadienyl)-, 33:238
 Titanium, quaternary selenophosphates of, 33:127
 Titanium, tetraaquatris(*p*-toluene-sulfonato)-, 33:93
 Titanium, trichloride, active form, 32:309
 Titanium, trichloride, 1:1.5 complex with 1,2-dimethoxyethane, 36:189

- Titanium, trichloro(η^5 -indenyl)-, 32:218
 Titanium, trifluoro(pentamethylcyclopentadienyl)-, 33:234
 Titanium, tris(*p*-toluenesulfonato)-, 33:94
 Toluene
 tris(pentafluorophenyl)
 aluminum, 37:151
 Toluene, 4-isocyano-, 34:27
p-Toluenesulfonate, salts of transition metals, 33:91
 Transition metal,
 p-toluenesulfonates, 33:91
 Transition metal, tetrafluoroborates or trifluoromethanesulfonates, 33:75
 Transition metal, tetrakis[3,5-bis-(trifluoromethyl)phenyl]borates, 33:83
 1,3,5-Triazacyclohexane, 1,3,5-trimethyl-, chromium, molybdenum, and tungsten complexes, 35:109
 1,4,7-Triazacyclononane, 1,4-bis(2-pyridylmethyl)-, 34:136
 1,4,7-Triazacyclononane, 1,4-di(*iso*-propyl)-, 32:79
 1,4,7-Triazacyclononane, 1,4-di(*iso*-propyl)-7-(2-pyridylmethyl)-, 32:79
 1,4,7-Triazacyclononane, 1,4-di(*iso*-propyl)-7-(*p*-toluenesulfonyl)-, 32:77
 1,4,7-Triazacyclononane, 1-(*p*-toluenesulfonyl)-, 32:76
 1,4,7-Triazacyclononane, 1,4,7-trimethyl-, chromium complexes, 34:151
 1,3,5-Triaza-7-phosphaadamantane, *P*-methyl-, iodide, 35:100
 1,3,5-Triaza-7-phosphabicyclo[3.3.1]-nonane, 3-methyl-, 35:100
 1,3,5-Triaza-7-phosphatricyclo[3.3.1.1^{3,7}]-decane, 32:41
 1,3,5-Triaza-7-phosphatricyclo[3.3.1.1^{3,7}]-decane, *N*-methyl, iodide, 32:43
 1,3,5-Triaza-7-phosphatricyclo[3.3.1.1^{3,7}]-decane, *P*-oxide, 32:42
 Tribenzocyclododecene, hexadehydro-, (tribenzocyclyne, TBC), 31:125
 Trifluoromethanesulfonate, salts of transition metal acetonitrile cations, 33:75
 7,19,30-Trioxa-1,4,10,13,16,22,27,32-octaazabicyclo[11.11.11]-pentatriacontane (OBISTREN), cryptand, 32:114
 Tris(pyrazolyl)alkane ligands, 32:59; 32:61; 32:63
 1,5,9-Trithiacyclododecane, 33:120
 Tungstate, di(phosphate)heptadeca-, transition metal complexes, 32:242
 Tungstate, di(phosphate)pentadeca-, octadecahydrate, 31:175; 31:188
 Tungstate, di(phosphate)pentadeca-, transition metal complexes, 31:180; 31:181; 31:183
 Tungstate, di(phosphate)(triniobate)-pentadeca-, tetrabutylammonium, 31:187
 Tungstate, di(phosphate)(triniobate)-pentadeca-, transition metal complexes, 31:187
 Tungstate, heptachloropentakis-(tetrahydrofuran)di-, sodium, 36:98
 Tungstate, nonadecaooxohexa-, bis-(tetrabutylammonium), 36:145
 Tungstate, peroxodi-, di(cetylpyridinium), 36:146
 Tungstate, phenylphosphonatodiperoxo-, bis(tetrabutylammonium), 36:147
 Tungstate, (phosphate)nona-, transition metal complexes, 31:169; 31:170; 31:173
 Tungstate, tetradecachlorohexa-, bis-(hydroxonium), heptahydrate, 36:21
 Tungstate, tridecachlorotri-, tris-(benzyltributylammonium), 36:28
 Tungstate, tridecachlorotri-, trisodium, 36:27
 Tungstate, hexadecasulfido(triammino)tri-, diammonium, hydrate, 33:168
 Tungstate, octacyano-, 6:9 complex with manganese, nickel, or cobalt, tetracontamethanolate, 34:158
 Tungstate, octacyano-, tetrapotassium, dihydrate, 34:157
 Tungstate, octacyano-, tris(tetrabutylammonium), 34:158
 Tungstate, pentacarbonylcyno-, 4:1 complex with tetra(μ_3 -thio)tetraferate, bis(tetraphenylphosphonium), 34:162
 Tungstate, pentacarbonylcyno-, sodium, 34:162
 Tungstate, tricarbonyl[hydrotris(3,5-dimethylpyrazolyl)borato]-, tetraethylammonium, 33:221

- Tungsten, (benzylidyne)chloro[bis(1,2-bis-(diphenylphosphino)ethane)-], 36:136
- Tungsten, (benzylidyne)trichloro(1,2-dimethoxyethane)-, 36:135
- Tungsten, bis(1,4-diisocyanobenzene)bis-[1,2-bis(diphenylphosphino)ethane)-, 34:28
- Tungsten, bromodicarbonyl[hydrotris-(3,5-dimethylpyrazolyl)borato]-, 33:225
- Tungsten, bromotricarbonyl[hydrotris-(3,5-dimethylpyrazolyl)borato]-, 33:223
- Tungsten, chlorodicarbonyl[hydrotris-(3,5-dimethylpyrazolyl)borato]-, 33:225
- Tungsten, chlorotricarbonyl[hydrotris-(3,5-dimethylpyrazolyl)borato]-, 33:223
- Tungsten, decachlorotri-, 36:26
- Tungsten, diiodo(acetonitrile)carbonylbis-(diphenylacetylene)-, 33:241
- Tungsten, diiodo(acetonitrile)-tricarbonyltriphenylphosphine-, 33:242
- Tungsten, diiodobis(acetonitrile)-tricarbonyl-, 33:240
- Tungsten, dodecachlorohexa-, 36:22
- Tungsten, hexakis(2-trifluoromethyl-2-propoxy)di-, 36:100
- Tungsten, hexa(*tert*-butoxy)di-, 36:99
- Tungsten, iodo(acetonitrile- κ^2N,C)-carbonyl[tris(3,5-dimethylpyrazolyl)hydroborato]-, 33:226
- Tungsten, iododicarbonyl[hydrotris(3,5-dimethylpyrazolyl)borato]-, 33:225
- Tungsten, iodotricarbonyl[hydrotris(3,5-dimethylpyrazolyl)borato]-, 33:224
- Tungsten, oxotetrachloro-, 36:139; 36:144
- Tungsten, tetrabromo(heptaselenide)tri-, 33:164
- Tungsten, tetrabromo(heptasulfide)tri-, 33:164
- Tungsten, tetracarbonyl[1,2-bis-(diphenylphosphino)ethane]-, 34:108
- Tungsten, tetrachloro-, amorphous by solution phase reduction, 36:33
- Tungsten, tetrachloro-, crystalline by solid state reduction, 36:32
- Tungsten, tetrachloro(phenylimido)-(acetonitrile)-, 36:140
- Tungsten, tetrachloro(2-propenylimido)-(acetonitrile)-, 36:142
- Tungsten, tetrachloro(2-propylimido)-(acetonitrile)-, 36:141
- Tungsten, tetraselenido(nonaqua)tri-, ion, 33:169
- Tungsten, tetrasulfido(decaqua)tri-, nickel complex, 33:161
- Tungsten, tetrasulfido(nonaqua)tri-, ion, 33:147; 33:167; 33:168
- Tungsten, tricarbonyl[1,2-bis(diphenylphosphino)ethane](η^2 -fullerene-60)-, 34:109
- Tungsten, tricarbonyl(1,3,5-trimethyl-triazacyclohexane)-, 35:113
- Tungstic acid, chloro-, 36:21
- Tungstoaluminate, dodeca-, $[\alpha-AlW_{11}O_{39}]^{9-}$, nonapotassium, 33:23
- Tungstoaluminate, dodeca-, $[\alpha-AlW_{12}O_{40}]^{5-}$, pentasodium, 33:22
- Tungstoaluminate, vanadoundeca-, $[\alpha-AlV^VI W_{11}O_{40}]^{7-}$, heptapotassium, 33:24
- Tungstoaluminate, vanadoundeca-, $[\alpha-AlV^V W_{11}O_{40}]^{6-}$, hexapotassium, 33:25
- Tungstoaluminic acid, dodeca-, $H_5[AlW_{12}O_{40}]$, 33:18; 33:20
- 12-Tungstophosphoric acid, 36:214
- 12-Tungstosilicic acid, 36:212
- Tungstotetrairondiphosphate, $[Fe_4(H_2O)_2(PW_9O_{34})_2]^{6-}$, hexakis-(tetraethylammonium), 33:52
- Tungstotetrairontetraphosphate, $[Fe_4(H_2O)_2(P_2W_{15}O_{56})_2]^{12-}$, dodecasodium, octapentacontahydrate, 33:54
- Uranate, bis(selenido)tetrakis(diselenido)-tetrakis(tetraselenophosphate)tetra-, tetrarubidium, 33:128
- Uranium, amalgamated metal turnings, 31:309
- Uranium, dichloro(dioxo)bis-(tetrahydrofuran)-, dimer, 34:93
- Uranium, dichloro(dioxo)bis-(triphenylphosphineoxide)-, 33:204
- Uranium, oxide free metal, 31:309
- Uranium, quaternary selenophosphates of, 33:122
- Uranium, triiodotetrakis(pyridine)-, 31:311

- Uranium, triiodotetrakis(tetrahydrofuran)-, 31:310
- Uranium, tris[bis(trimethylsilyl)amido]-, 31:313
- Uranyl, 15-metallacrown-5 complex with copper picolinehydroximate, 33:68
- Vanadate, hexacarbonyl-, tetraethylammonium, 34:98
- Vanadate, nonaoxodiphosphatopenta-, diammoniumbicyclooctane potassium, dihydrate, 33:143
- Vanadate, oxobis[*N,N'*-(4,5-dihydroxyphenylene)bis(salicylideneiminato)-nickel(II)]-, bis(tetrabutylammonium), 33:118
- Vanadate, oxo(diaquadihydroxodiphosphato)tris-, 1,3-diammoniumpropane, 33:140
- Vanadate, trioxodiaquatetrakis-(hydrogenphosphato)tris-, piperazinium, 33:143
- Vanadium, dichlorooxo(pentamethylcyclopentadienyl)-, 32:210
- Vanadium, hexa(μ -chloro)tris-(pentamethylcyclopentadienyl)tri-, 32:209
- Vanadium, (β -diketiminato)dichloro-, 35:28; 35:31
- Vanadium, hexaaqua-, tris(*p*-toluenesulfonate), 33:95
- Vanadium, hexacarbonyl-, 34:100
- Vanadium, hexakis(acetonitrile)-, bis-[tetrakis[3,5-bis(trifluoromethyl)phenyl] borate], 33:89
- Vanadium, oxobis(*p*-toluenesulfonato)-, 33:101
- Vanadium, oxopentaaqua-, bis(*p*-toluenesulfonate), hemihydrate, 33:96
- Vanadium, tris(*p*-toluenesulfonato)-, 33:95
- Vanadoundecatungstoaluminate, [α -AIV^VW₁₁O₄₀]⁶⁻, hexapotassium, 33:25
- Vanadoundecatungstoaluminate, [α -AIV^VIW₁₁O₄₀]⁷⁻, heptapotassium, 33:24
- Veratrole, 4,5-diamino-, 33:115
- Veratrole, 4,5-dinitro-, 33:114
- Water soluble sulfonated phosphines, 32:1; 32:8; 32:29; 32:36
- Yttrium, tris(tetramethyl-3,5-heptanedionato)-, 31:304
- Zincate, (β -diketiminato)dichloro-, bis-(diethylether)lithium, 35:36
- Zinc
- bis(pentamethyl)cyclopentadienyl, 37:38
- pentamethylcyclopentadienyl, Zn(I)-Zn(I) bonded, 37:39
- Zinc, bis[bis(trimethylsilyl)amido]-, 31:20
- Zinc, diethyl-, 31:63
- Zinc, dimethyl-, 31:60
- Zinc, dimethylbis(hexahydro-1,3,5-trimethyl-1,3,5-triazine)-, 31:17
- Zinc, dimethyl(*N,N,N',N'*-tetramethylethylenediamine)-, 31:17
- Zinc, dimethyl(triethylamine)-, 31:16
- Zinc, 5,15-diphenylporphinato-, 33:60
- Zinc, metal-organic frameworks, 35:102
- Zinc, (μ_4 -oxo)bis(1,3,5-benzene-tribenzoato)tetra-, MOF-177, 35:106
- Zinc, (μ_4 -oxo)tris(terephthalato)tetra-, MOF-5, 35:103; 35:105
- Zinc, 2,4,6-tri(*tert*-butyl)-benzeneselenolato-, 31:20
- Zinc, 2,4,6-tri(*tert*-butyl)benzenethiolato-, 31:20
- Zinc, 2,4,6-trimethylbenzenetellurolato-, 31:23
- Zirconium, bis[2,4-di-*tert*-butylamino)phenolato]bis-(tetrahydrofuran)-, 35:95
- Zirconium, bis(pentamethylcyclopentadienyl)-dichloro-, 36:49
- Zirconium, trichloro(η^5 -indenyl)-, 32:219
- Zirconium, trifluoro(pentamethylcyclopentadienyl)-, tetramer, 33:235

