

Encyclopedia of Reagents for Organic Synthesis (e-EROS)

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[Mesitylsulfonyl-1H-1,2,4-triazole](#)

[Mesityloxytris\(dimethylamino\)phosphonium Azide](#)

[Methanesulfonic Anhydride](#)

[Methanesulfonyl Chloride](#)

[Methanesulfonyl Chloride–Dimethylaminopyridine](#)

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[Vanadyl Trichloride](#)

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[Catecholborane](#)

[Bis\(benzoyloxy\)borane](#)

[Dicyclohexylborane](#)

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[Oxidiperoxymolybdenum\(pyridine\)\(hexamethylphosphoric triamide\)](#)

[Trimethylsilylmethyl Trifluoromethanesulfonate](#)

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[Di-tert-butyl Azodicarboxylate](#)

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[N'''-\(1,2-Dimethylethyl\)-N,N,N',N',N',N'-hexamethyl Phosphorimidictriamide](#)

[Proazaphosphatrane](#)

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[Ethoxycarbonyl Isothiocyanate](#)

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[Ethyl 2-\(Bromomethyl\)acrylate](#)

[Methyl Dichloroacetate](#)

[Dibromoacetonitrile](#)

[Ethyl α-\(Hydroxymethyl\)acrylate](#)

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[Ethyl α-\(Hydroxymethyl\)acrylate](#)

[Methyl Dichloroacetate](#)

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[2,7-Bis\(trimethylsilyl\)fluorenylmethyl Chloroformate](#)

[2,5-Hexanedione](#)

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[N-Bromoacetamide](#)

[N-Bromosuccinimide](#)

[N-Chlorosuccinimide](#)

[1,3-Dibromo-5,5-dimethylhydantoin](#)

[1,3-Dibromoisocyanuric Acid](#)

[1,3-Diiodo-5,5-dimethylhydantoin](#)

[N-Iodosuccinimide](#)

[Triphenylphosphine–N-Bromosuccinimide](#)

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[Diphenyl Disulfone](#)

[Trifluoromethanesulfonyl Chloride](#)

[3-Acetoxy-2-trimethylsilylmethyl-1-propene](#)

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[Allyltributylstannane](#)

[Crotyltributylstannane](#)

[Tin\(IV\) Chloride–Zinc Chloride](#)

[Tin\(IV\) Chloride](#)

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[Allyl Phenyl Sulfide](#)

[Allyl Phenyl Sulfone](#)

[Allyl Phenyl Sulfoxide](#)

[\(E\)-4-Chloro-3-buten-2-one](#)

[4-Phenylsulfonyl-3-buten-2-one](#)

[N,N,N',N'-Tetramethylethylenediamine](#)

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[2-Phenyl-6,10b-dihydro-4H,5aH-5-oxa-3,10c-diaza-2-azonia-cyclopenta\[c\]fluorine Tetrafluoroborate, 2-Pentafluorophenyl-6,10b-dihydro-4H,5aH-5-oxa-3,10c-diaza-2-azoniacyclopenta\[c\]fluorene Tetrafluoroborate, and 6,7-Dihydro-2-phenyl-5-\(phenylmethyl\)-5H-pyrrolo \[2,1-c\]-1,2,4-triazolium Chloride](#)

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[2,4-Bis\(4-methoxyphenyl\)-1,3,2,4-dithiadiphosphetane 2,4-Disulfide](#)

[2,4-Bis\(methylthio\)-1,3,2,4-dithiadiphosphetane 2,4-Disulfide](#)

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[3,3-Dimethyl-1-butynylcopper\(I\)](#)

[Lithium Butyl\(3-methoxy-3-methyl-1-butynyl\)cuprate](#)

[Lithium \(1-Hexynyl\)\(2-tri-n-butylstannylvinyl\)cuprate](#)

[Lithium \(1-Pentynyl\)\(3-tetrahydropyran-2'-yloxy-1-propenyl\)cuprate](#)

[Lithium \(1-Pentynyl\)\(2-tributylstannylvinyl\)cuprate](#)

[Lithium Bis\(3-trimethylsilyl-1-propen-2-yl\)cuprate](#)

[Lithium \(3,3-Diethoxy-1-propen-2-yl\)\(3,3-dimethyl-1-butynyl\)cuprate](#)

[Lithium \(3,3-Dimethyl-1-butynyl\)methylcuprate](#)

[Lithium \(3,3-Dimethyl-1-butynyl\)vinylcuprate](#)

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[Sodium Chlorite](#)

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[tert-Butyllithium](#)

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[3-Iodo-1-trimethylsilylpropyne](#)

[3-Triphenylstannyl-1-propyne](#)

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[Diethyl Methylsulfinylmethylphosphonate](#)

[Diethyl Methylsulfonylmethylphosphonate](#)

[Diethyl Methylthiomethylphosphonate](#)

[Diethyl Phenylsulfinylmethylphosphonate](#)

[Diethyl Phenylthiomethylphosphonate](#)

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[Phenylsulfonylnitromethane](#)

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[Sodium Tetrachloroaluminate](#)

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[Ethyl Isothiocyanatoacetate](#)

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[Di-tert-butyl Dicarboxylate](#)

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[Cyclopropyllithium](#)

[Cyclopropylmagnesium Bromide](#)

[1-Lithio-1-methoxycyclopropane](#)

[1,1,3,3-Tetramethylbutyl Isocyanide](#)

[Triphenylmethyl Isocyanide](#)

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[1,1,2,3,3,3-Hexafluoropropene](#)

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[3-Methoxyisoprene](#)

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[Potassium Trifluoro-2-propenylborate](#)

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[Silane, 1,1'-\(Chloromethylene\)bis\[1,1,1\]-trimethyl-](#)

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[Bis\(cyclopentadienyl\)bis\(2,6-dimethylphenylamino\)zirconium](#)

[\(1S,1'S,2R,2'R,4R,4'R\)-N,N'-\(1R,2R\)-1,2-Cyclohexanediylbis\[2-hydroxy-2,7,7-trimethylcyclo-\[2.2.1\]heptane-1-methanesulfonamide\]](#)

[exo-3-Morpholinoisoborneol](#)

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[3-Bromo-1,2-propanediol](#)

[2,2-Dimethyl-1,3-propanediol](#)

[Hydroxylamine](#)

[Isopropenyl Acetate](#)

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[1,4-Cyclohexadiene](#)

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[Copper\(I\) Bis\(trimethylsilyl\)amide](#)

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[Tributyl \(\(1E,3E\)-4-\(4,4,5,5-Tetramethyl\)-\(1,2,3-dioxaborolan-2-yl\)buta-1,3-dienyl\)stannane](#)

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[1,3,2-Dioxaborinane, 2-\[2-\(Bromomethyl\)-phenyl\]-; 1,3,2-Dioxaborinane, 2-\[2-\(Bromomethyl\)phenyl\]-5,5-dimethyl-](#)

[Iodomethyl Methyl Ether](#)

[5,5,5',5'-Tetramethyl-2,2'-bi-1,3,2-dioxaborinane](#)

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[Trifluoromethyltriethylsilane](#)

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[Diisopropyl 2-Allyl-1,3,2-dioxaborolane-4,5-dicarboxylate](#)

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[Dichloro\(1,5-cyclooctadiene\)palladium\(II\)](#)

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[Methacrolein](#)

[Malondialdehyde](#)

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[Sulfur Tetrafluoride](#)

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[Bis\(trimethylsilyl\)acetylene](#)

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[2,2-Dimethyl-5-\[3-\(diphenylstannyl\) propyl\]-1,3-dioxolan-4-one](#)

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[\[\(R\)- \$\alpha\$ -\(2-Naphthyl\)aminomethyl\]ferrocene](#)

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[Oxygen](#)

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[Cerium\(IV\) Ammonium Nitrate](#)

[\(1-Bromoethenyl\)chlorodimethylsilane](#)

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[Gold Chloride](#)

[Glyoxylyl Chloride *p*-Toluenesulfonylhydrazone](#)

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[Antimony\(V\) Chloride](#)

[Antimony\(V\) Fluoride](#)

[Bromoacetylium Hexafluoroantimonate](#)

[1-Bromomethoxy-4-chlorobutane](#)

[*tert*-Butyl Chloride–Aluminum Chloride](#)

[Chloroacetyl Fluoride](#)

[Fluorosulfuric Acid](#)

[Fluorosulfuric Acid–Antimony\(V\) Fluoride](#)

[Formyl Fluoride](#)

[Hydrogen Fluoride–Antimony\(V\) Fluoride](#)

[Methyl Fluoride–Antimony\(V\) Fluoride](#)

[Methyltrichlorosilane](#)

[Nitronium Tetrafluoroborate](#)

[Nitrosonium Tetrafluoroborate](#)

[Nitrosylsulfuric Acid](#)

[Trifluoromethyltrimethylsilane](#)

[Uranium\(VI\) Fluoride](#)

[Chloroacetyl Chloride](#)

[Methyl\(methylene\)oxonium Hexafluoroantimonate](#)

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[Phenylsulfonylfluoromethylphosphonate](#)

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[tert-Butyl Azidoformate](#)

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[2-Chloro-1-methylpyridinium Iodide](#)

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[Iodine Monochloride](#)

[Iodine–Silver\(I\) Fluoride](#)

[Trifluoroacetyl Hypoiodite](#)

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[N,O-Dimethylhydroxylamine](#)

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[9-Fluorenylmethyl 1-Benzotriazolyl Carbonate \(3-Oxy-benzotriazolium-1-carboxylic Acid 9H-Fluoren-9-ylmethyl Ester\)](#)

[p-Nitrobenzyl Bromide](#)

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[\(Z\)-5-Chloro-3-trimethylstannyl-2-pentene](#)

[5-Chloro-2-trimethylstannyl-1-pentene](#)

[4-Iodo-2-trimethylstannyl-1-butene](#)

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[Anthracenesulfonamide](#)

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[Diphenyl\(phenylthiomethyl\)phosphine Oxide](#)

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[1,4-Dihydro-1,4-epoxynaphthalene](#)

[2,5-Bis\(trifluoromethyl\)-1,3,4-oxadiazole](#)

[3,6-Di\(2-pyridyl\)-sec-tetrazine](#)

[Dimethyl \(1 \$\alpha\$,2 \$\beta\$, 5 \$\beta\$,6 \$\alpha\$ \) tricyclo\[4.2.1.0^{2,5}\] nona-3,7-dien-3,4-dicarboxylate](#)

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[Lithium Diisopropylamide](#)

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[Singlet Oxygen](#)

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[Bis\(bicyclo\[2.2.1\]hepta-2,5-diene\)-dichlorodirhodium](#)

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[Dibenzyl Phosphorochloridate](#)

[o-Xylylene N,N-Diethylphosphoramidite](#)

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[Sodium Hexamethyldisilazide](#)

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[2-\(Dimethylamino\)-3-butenenitrile](#)

[Lithioacetonitrile](#)

[Methoxyacetonitrile](#)

[Trimethylsilylacetonitrile](#)

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[Diethyl Succinate](#)

[Succinic Anhydride](#)

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[\[\(1S\)-3,3'-Bis\(1,1-dimethylethyl\)-5,5',6,6'-tetramethyl-\[1,1'-biphenyl\]-2,2'-diolato\(2-\)O,O'\] \[2,5-bis-\(1-methylethyl\)benzenamino\(2-\)\]\(2-methyl-2-phenylpropylidene\)molybdenum](#)

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[Methanamine, 1,1-Bis\(trimethylsilyl\)](#)

[Sodium Periodate](#)

[Sodium Periodate–Osmium Tetroxide](#)

[Sodium Periodate–Potassium Permanganate](#)

[Tetrabutylammonium Periodate](#)

[Tetraethylammonium Periodate](#)

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[Benzeneselenenyl Trifluoromethanesulfonate](#)

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[Tetrakis\(pyridine\)cobalt\(II\) Dichromate](#)

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[Methyl Dilithioacetoacetate](#)

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[Acetone Oxime](#)

[\$\beta\$ -Tosylethylazide](#)

[Bis\[*N*-\(*p*-toluenesulfonyl\)\]selenodiimide](#)

[Bis\[*N*-\(*p*-toluenesulfonyl\)\]sulfodiimide](#)

[*N*-\(*tert*-Butoxycarbonyl\)-*p*-toluenesulfonamide](#)

[Butyl *N*-\(*p*-Toluenesulfonyl\)iminoacetate](#)

[Dimethylaluminum Amide](#)

[*N,O*-Dimethylhydroxylamine](#)

[Allyl\(2-chloroethyl\)dimethylsilane](#)

[Bis\(\$\beta\$ -trimethylsilylethanesulfonyl\)imide](#)

[\$\beta\$ -Tosylethylhydroxylamine](#)

[\$\beta\$ -Tosylethylhydrazine](#)

[\$\beta\$ -Tosylethylamine](#)

[N-Sulfinyl-p-toluenesulfonamide](#)

[\$\beta\$ -Trimethylsilylethanesulfonyl Chloride](#)

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[Bis\(acrylonitrile\)nickel\(0\)](#)

[Bis\(1,5-cyclooctadiene\)nickel\(0\)](#)

[Bis\(triphenylphosphine\)nickel\(0\)](#)

[Carbonyl\(chloro\)bis\(triphenylphosphine\)rhodium\(I\)](#)

[1,4-Dibromobutane](#)

[Dicyanobis\(triphenylphosphine\)nickel\(II\)](#)

[Tetrakis\(trichlorophosphine\)nickel\(0\)](#)

[Tetrakis\(triphenylphosphine\)nickel\(0\)](#)

[Trifluoromethanesulfonyl Chloride](#)

[Tris\(triphenylphosphine\)nickel\(0\)](#)

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[5-Lithio-2,3-dihydrofuran](#)

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[1,4-Phthalazinediyl Diether Hydroquinidine Ligand, Poly\(ethylene glycol\)-supported](#)

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[Dialkylborane, Poly\(ethylene glycol\)-supported](#)

[N-Phenyl Triflimide, Poly\(ethylene glycol\)-supported](#)

[Triarylphosphine, Poly\(ethylene glycol\)-supported](#)

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[Europium, Tris\[6,6,7,7,8,8-heptafluoro-2,2-di\(methyl- \$d_3\$ \)-3,5-octanedion-1,1,1- \$d_3\$ -ato- \$\kappa O, \kappa O'\$ \]](#)

[Europium, Tris\[3-\[2,2,3,3,4,4,4-heptafluoro-1-\(oxo- \$\kappa O\$ \)-butyl\]-1,7,7-trimethylbicyclo\[2.2.1\]heptan-2-onato- \$\kappa O\$ \]](#)

[Europium, Tris\[1,7,7-trimethyl-3-\(trifluoroacetyl- \$\kappa O\$ \)-bicyclo\[2.2.1\]heptan-2-onato- \$\kappa O\$ \]](#)

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[Dichloro\[1,1'-bis\(diphenylphosphino\)ferrocene\]palladium\(II\)](#)

[Palladium\(II\) Chloride–Copper\(I\) Chloride](#)

[Palladium\(II\) Chloride–Copper\(II\) Chloride](#)

[Palladium\(II\) Nitrate](#)

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[Bromine–Silver\(I\) Oxide](#)

[tert-Butyl Chloromethyl Ether](#)

[Lithium Hydroperoxide](#)

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[\(Bicyclo\[2.2.1\]hepta-2,5-diene\)\[\(2S,3S\)-bis\(diphenylphosphino\)butane\]rhodium Perchlorate](#)

[trans-Carbonyl\(chloro\)bis\(triphenylphosphine\)iridium\(I\)](#)

[Carbonyl\(chloro\)bis\(triphenylphosphine\)rhodium\(I\)](#)

[\(1,5-Cyclooctadiene\)bis\(methyldiphenylphosphine\)iridium\(I\) Hexafluorophosphate](#)

[\(1,5-Cyclooctadiene\)\(1,3,5-cyclooctatriene\)ruthenium](#)

[Di- \$\mu\$ -chlorobis\(1,5-cyclooctadiene\)diiridium\(I\)](#)

[Diiodo\(methyl\)bis\(triphenylphosphine\)rhodium\(III\)](#)

[\(Bicyclo\[2.2.1\]hepta-2,5-diene\)\[\(R,R\)-2,3-O-isopropylidene-2,3-dihydroxy-1,4-bis\(diphenylphosphino\)butane\]rhodium Tetrafluoroborate](#)

[Sodium Tetrachloroaurate\(III\)](#)

[Tris\(acetylacetonato\)indium](#)

Shiow-Jyi Wey

State University of New York at Stony Brook, NY, USA

[Bis\(N-methylsalicylaldimine\)nickel](#)

[N,N'-Bis\(salicylidene\)ethylenediaminenickel\(II\)](#)

[Nickel\(II\) Acetate](#)

[Nickel\(II\) 2-Ethylhexanoate](#)

[Nickel\(II\) Tetraphenylporphyrinate](#)

Lynn M. Weyer

The Ohio State University, Columbus, OH, USA

[Ketene Diethyl Acetal](#)

D. Todd Whitaker

Detroit Country Day School, Beverly Hills, MI, USA

[Ethyllithium](#)

[2-Methoxypropene](#)

[o-Nitrobenzyl Alcohol](#)

[Sodium Ethoxide](#)

[p-Toluenesulfonyl Chloride](#)

K. Sinclair Whitaker

Wayne State University, Detroit, MI, USA

[Ethyllithium](#)

[2-Methoxypropene](#)

[o-Nitrobenzyl Alcohol](#)

[Sodium Ethoxide](#)

[p-Toluenesulfonyl Chloride](#)

Andrew D. White

Parke-Davis Pharmaceutical Research, Ann Arbor, MI, USA

[Iron\(III\) Acetylacetonate–Hydrogen Peroxide](#)

[Iron\(III\) Azide](#)

[Iron\(III\) Chloride](#)

[Iron\(II\) Chloride](#)

[Iron\(III\) Chloride–Acetic Anhydride](#)

[Iron\(III\) Chloride–Alumina](#)

[Iron\(III\) Chloride–Dimethylformamide](#)

[Iron\(III\) Chloride–Silica Gel](#)

[Iron\(III\) Chloride–Sodium Hydride](#)

[Iron\(II\) Sulfate](#)

[Iron\(II\) Sulfate–Oxygen](#)

[Iron\(III\) Thiocyanate](#)

Emil H. White

The Johns Hopkins University, Baltimore, MD, USA

[3-Methyl-1-*p*-tolyltriazene](#)

[*N*-Methyl-*N*-nitrosoacetamide](#)

James D. White

Oregon State University, Corvallis, OR, USA

[\(*E*\)-1-Butadienyl Phosphonium Bromide](#)

[1,3-Dithienium Tetrafluoroborate](#)

[Ytterbium\(0\)](#)

M. Christina White

University of Illinois Urbana-Champaign, Urbana, IL, USA

[1,2-Bis\(phenylsulfinyl\)ethane](#)

Gregory T. Whiteker

Union Carbide Corporation, South Charleston, WV, USA

[\(+\)-*trans*-\(2*S*,3*S*\)-Bis\(diphenylphosphino\)bicyclo\[2.2.1\]hept-5-ene](#)

[1,4-Bis\(diphenylphosphino\)butane](#)

[\(2*R*,3*R*\)-2,3-Bis\(diphenylphosphino\)butane](#)

[1,2-Bis\(diphenylphosphino\)ethane](#)

[1,3-Bis\(diphenylphosphino\)propane](#)

[\(*R*\)-\(+\)-Cyclohexyl\(2-anisyl\)methylphosphine](#)

[Tetrakis\(triethyl phosphite\)nickel\(0\)](#)

[Tetrakis\(triisopropyl phosphite\)nickel\(0\)](#)

[Tetrakis\(triisopropyl phosphite\)palladium\(0\)](#)

[Tetrakis\(triphenyl phosphite\)nickel\(0\)](#)

Andrew Whiting

Durham University, Durham, UK

[2-Methyl-2,4-pentanediol](#)

Ralph A. Whitney

Queen's University at Kingston, Ontario, Canada

[N-Methylhydroxylamine](#)

Jerzy Wicha

Polish Academy of Sciences, Institute of Organic Chemistry, Warsaw, Poland

[Dimethyl Sulfone](#)

Philip L. Wickens

University of Alberta, Edmonton, AB, Canada

[Sodium O,O-Diethyl Phosphorotelluroate](#)

[Triphenyl Thioborate](#)

Markus Wicki

University of Waterloo, Ontario, Canada

[Lithium Pyrrolidide](#)

Ross A. Widenhoefer

Duke University, Durham, NC, USA

[Bis\[\(1,2,5,6-n\)-1,5-cyclooctadiene\] Rhodium\(1+\), Hexafluoroantimonate\(1-\)](#)

[Tri-*o*-tolylphosphine](#)

Victoria Wilde

University at Buffalo, The State University of New York, Buffalo, NY, USA

[Bromochloromethane](#)

D. Lyn H. Williams

University of Durham, UK

[Nitrosyl Chloride](#)

David R. Williams

Indiana University, Bloomington, Indiana, USA

Indiana University, Bloomington, IN, USA

[Dioxobis\(2,5-pentanedionato\)molybdenum](#)

[\(4R,5R\)-2-Bromo-1,3-bis\[\(4-methylphenyl\)sulfonyl\]-4,5-diphenyl-1,3,2-diazaborolidine](#)

[*N,N*-Dimethylacetamide Dimethyl Acetal](#)

[\(4*R*,5*R*\)-2-Bromo-1,3-bis-\(4-methylphenyl sulfonyl\)-4,5-diphenyl-1,3,2-diazaborolidine and \(4*S*,5*S*\)-2-Bromo-1,3-bis-\(4-methylphenyl sulfonyl\)-4,5-diphenyl-1,3,2-diazaborolidine](#)

[Silane, 1,1'-\(Chloromethylene\)bis\[1,1,1\]-trimethyl-](#)

Jonathan M. J. Williams

Loughborough University of Technology, UK

[Diphenylmercury](#)

[Dipropenylmercury](#)

[Iodo\(iodomethyl\)mercury](#)

Spencer J. Williams

University of Melbourne, Parkville, Vic, Australia

[Trifluoromethanesulfonic Anhydride](#)

Travis J. Williams

Stanford University, Stanford, CA, USA

[Carbonyl\(chloro\)bis\(triphenylphosphine\)rhodium\(I\)](#)

Michael C. Willis

University of Cambridge, UK

[Phenylsulfonyl\(trimethylsilyl\)methane](#)

Christopher A. Willoughby

Massachusetts Institute of Technology, Cambridge, MA, USA

[\(*R,R*\)-\[Ethylene-1,2-bis\(\$\eta^5\$ -4,5,6,7-tetrahydro-1-indenyl\)\]titanium \(*R*\)-1,1'-Bi-2,2'-naphtholate](#)

Martin Wills

Warwick University, UK

[\(1*R*,2*S*\)-1-Amino-2,3-dihydro-1*H*-inden-2-ol](#)

A. J. Wilson

University of Leicester, Leicester, UK

[*N*-Bromosuccinimide](#)

Anthony James Wilson

University of Nottingham, Nottingham, UK

[Phthalimidosulfenyl Chloride](#)

Anne M. Wilson

Butler University, Indianapolis, USA

[\(\$\eta^5\$ -2,4-Cyclopentadien-1-yl\)\[\(1,2,3,4,5- \$\eta\$ \)-6,6-dimethyl-2,4-cyclohexadien-1-yl\]\(triethylphosphine\)titanium](#)

Michael W. Wilson

Parke-Davis Pharmaceutical Research, Ann Arbor, MI, USA

[Pyridinium Chloride](#)

Peter D. Wilson

Simon Fraser University, Burnaby, BC, Canada

The Ohio State University, Columbus, OH, USA

[4-Methoxy-3-buten-2-one](#)

[5-Bromo-2,2,5-trimethyl-1,3-dioxane-4,6-dione](#)

[2-Iodopropane](#)

[2-Fluorophenol](#)

[2-Fluorophenylboronic Acid](#)

[\(Methoxycarbonylmethylene\)triphenylphosphorane](#)

[*p*-Methoxybenzyl Chloride](#)

Stephen R. Wilson

New York University, NY, USA

[Methylenecyclobutane](#)

[3-Triethylsilyloxy-1,4-pentadiene](#)

[5-Trimethylsilyl-1,3-pentadiene](#)

Timothy E. Wilson

Emory University, Atlanta, GA, USA

[*N*-Bromosuccinimide–Hydrogen Fluoride](#)

[tert-Butyl Hydroperoxide](#)

[Sodium Cyanide](#)

[Trichloroacetic Acid](#)

Donna Wilton

Imperial College, London, UK

[\[2,6-Bis\(1-methylethyl\)benzenaminato-\(2\) \[bis\(1,1,1,3,3,3-hexafluoro-2-methyl-2-propanolato\)\(2-methyl-2-phenylpropylidene\) molybdenum \(Schrock's Catalyst\)](#)

Jeffrey D. Winkler

University of Pennsylvania, Philadelphia, PA, USA

[Acetylene](#)

[Dimethyl Acetylenedicarboxylate](#)

Caroline L. Winn

University of Bristol, Bristol, UK

[Dimethylsulfonium Methylide](#)

[Dimethylsulfoxonium Methylide](#)

Charles H. Winter

Wayne State University, Detroit, MI, USA

[2-Bromo-2-methylpropionyl Bromide](#)

[N,N-Dimethylhydrazine](#)

[Dipotassium Acetylide](#)

Michael Winters

University of California at Irvine, CA, USA

[2,5-Diazido-3,6-di-tert-butyl-1,4-benzoquinone](#)

Peter Wipf

University of Pittsburgh, Pittsburgh, PA, USA

[Chlorobis\(cyclopentadienyl\)hydrido-zirconium](#)

[1-Methoxy-1-\(trimethylsilyloxy\)propene](#)

[Methylketene Bis\(trimethylsilyl\) Acetal](#)

David D. Wirth

Eli Lilly Co., Lafayette, IN, USA

[Thionyl Chloride](#)

Thomas Wirth

Cardiff University, Cardiff, UK

[\(S,S\)-Bis\[2-\(1-hydroxypropyl\)phenyl\] Diselenide](#)

[Diisobutylaluminum Phenyl Selenide](#)

[Dimethyl Selenoxide](#)

[Dimethylaluminum Methylselenolate](#)

[Diphenylselenium Bis\(trifluoroacetate\)](#)

Richard Wisedale

University of Bristol, UK

[Cyclohexyl Isocyanide](#)

[Decynyl\(phenyl\)iodonium Tetrafluoroborate](#)

Allan Wissner

Wyeth-Ayerst Research, Pearl River, NY, USA

[Tris\(trimethylsilyloxy\)ethylene](#)

Bärbel Wittel

Queen's University, Kingston, ON, Canada

[sec-Butyllithium](#)

Daniel Witthaut

University of Münster, Münster, Germany

[Trimethyl Aconitate](#)

Lars-G. Wistrand

Nycomed Innovation AB, Malmö, Sweden

[Bis\(2,2'-bipyridyl\)silver\(II\) Peroxydisulfate](#)

[Iodine-Silver Acetate](#)

[Iodine-Silver Benzoate](#)

[Iodine–Silver Trifluoroacetate](#)

[Silver Tetrafluoroborate](#)

[Silver\(I\) *p*-Toluenesulfonate](#)

[Silver\(I\) Trifluoroacetate](#)

Stanislaw F. Wnuk

Florida International University, Miami, FL, USA

[*p*-Toluenesulfonylmethylene Triphenylphosphorane](#)

Stainslaw F. Wnuk

Brigham Young University, Provo, UT, USA

[Antimony\(III\) Chloride](#)

John P. Wolfe

University of California, Irvine, CA, USA

University of Michigan, Ann Arbor, MI, USA

[\(1,1'-Biphenyl\)-2-ylidicyclohexylphosphine](#)

[2-Dicyclohexylphosphino-2'-\(*N,N*-dimethylamino\)biphenyl](#)

[2-\(Di-*tert*-butylphosphino\)biphenyl](#)

[Bis-\[2-\(diphenylphosphino\)phenyl\]ether \(Dpe-Phos\)](#)

Michael S. Wolfe

National Institutes of Health, Bethesda, MD, USA

[2-\(*tert*-Butoxycarbonyloxyimino\)-2-phenylacetonitrile](#)

[*N*-\(*tert*-Butoxycarbonyloxy\)phthalimide](#)

Chi-Huey Wong

The Scripps Research Institute, USA

[Pd Nanoparticles](#)

Prof. John L. Wood

Department of Chemistry, Yale University, New Haven, CT, USA

[Triethylborane](#)

Poh Lee Wong

University of Waterloo, Ontario, Canada

[Lithium Diisopropylamide](#)

Man-Kin Wong

The University of Hong Kong, Hong Kong, 'Peoples' Republic of China

[Ruthenium Complex of *N,N,N'*-Trimethyl-1,4,7-triazacyclononane and Ruthenium Complex of *cis*-Diaquabis \(6,6'-Dichloro-2,2'-bipyridine\)](#)

[Ruthenium\(III\) Chloride](#)

[Triphenylphosphine Gold\(I\) Trifluoromethanesulfonate](#)

O. Andrea Wong

Colorado State University, Fort Collins, CO, USA

[1,2:4,5-Di-*O*-isopropylidene- \$\beta\$ -*D*-erythro-hexo-2,3-diulo-2,6-pyranose](#)

Mark E. Wood

University of Exeter, Exeter, UK

[1,2,4-Dithiazolidine-3,5-dione](#)

William F. Wood

Humboldt State University, Arcata, CA, USA

[Poly\(4-vinylpyridine\)](#)

[Poly\(4-vinylpyridinium bromide perbromide\)](#)

[Poly\(4-vinylpyridinium dichromate\)](#)

Simon Woodward

The University of Nottingham, Nottingham, UK

[Aluminum, \[\$\mu\$ -\(1,4-Diazabicyclo\[2.2.2\]octane- \$\kappa\$ N1: \$\kappa\$ N4\)\]hexamethyldi](#)

Jessica L. Wood

University of California, Berkeley, CA, USA

[2-Isopropoxyl-4,4,5,5-tetramethyl-1,3,2-dioxaborolane](#)

Paul D. Woodgate

University of Auckland, New Zealand

[Thallium\(I\) Acetate-Iodine](#)

Dennis L. Wright

University of Connecticut, Storrs, CT, USA

[Silver\(I\) Oxide](#)

Andrew G. Wright

University of Strathclyde, Glasgow, UK

[Hypophosphorous Acid](#)

Dennis Wright

Ohio University, Athens, OH, USA

[Lithium Carbonate](#)

[Lithium Carbonate–Lithium Bromide](#)

[Lithium Chloride–Hexamethylphosphoric Triamide](#)

[1-Methoxy-1-\(trimethylsilyloxy\)propene](#)

Hsyueh-Liang Wu

Osaka University, Suita, Osaka, Japan

National Tsing Hua University Hsinchu, Taiwan

[Vanadyl Bis\(acetylacetonate\)](#)

[\(-\)-2-exo-Morpholinoisobornane-10-thiol](#)

Ping-Yu Wu

National Tsing Hua University Hsinchu, Taiwan

[\(-\)-2-exo-Morpholinoisobornane-10-thiol](#)

Huayue Wu

Wenzhou University, Wenzhou, Peoples' Republic of China

[Tri\(1-naphthyl\)phosphine](#)

Jeremy E. Wulff

University of Calgary, AB, Canada

[Se-Phenyl p-tolueneselenosulfonate](#)

William D. Wulff

Michigan State University, East Lansing, Michigan, USA

[2,2'-Diphenyl-\[3,3'-biphenanthrene\]-4,4'-diol \(VAPOL\) and 3,3'-Diphenyl-\[2,2'-binaphthrene\]-1,1'-diol \(VANOL\)](#)

Peter G. M. Wuts

The Upjohn Co., Kalamazoo, MI, USA

[Chloromethyl Methyl Ether](#)

[p-Methoxybenzaldehyde](#)

[p-Methoxybenzyl Chloride](#)

[p-\(Methoxybenzyloxy\)methyl Chloride](#)

[4-Methoxybenzyl 2,2,2-Trichloroacetimidate](#)

[2-Methoxyethoxymethyl Chloride](#)

[Benzothiazole-2-sulfonyl Chloride](#)

Peter B. Wyatt

Queen Mary, University of London, London, UK

[\(Tributylphosphoranylidene\)acetonitrile](#)

Xiaoyang Xia

Emory University, Atlanta, GA, USA

[Butyllithium–Potassium tert-Butoxide](#)

Ming Xian

Washington State University, Pullman, WA, USA

[2-\[Bis-\(3,5-bis\(trifluoromethyl\)-Phenyl\)-\[\(Trimethylsilyl\)oxy\]-Methyl\]-Pyrrolidine](#)

Jason Xiang

Wyeth Research, Cambridge, USA

[Allyl Triflone](#)

Feng Xu

Boston University, MA, USA

[Dicyanoacetylene](#)

Lianhong Xu

Abbott Laboratories, Abbott Park, IL, USA

[Trichlorosilane](#)

[Tris\(2,2-dimethylpropyl\)\(2,2-dimethylpropylidene\)tantalum](#)

[Tris\(ethylthio\)borane](#)

Yong Xu

University of Utah, Salt Lake City, Utah, USA

[Monofluoromethylenediphosphate](#)

Jie Xue

Case Western Reserve University, Cleveland, OH, USA

[Levulinic Anhydride](#)

J. S. Yadav

Indian Institute of Chemical Technology, Hyderabad, India

[Cerium\(III\) Chloride](#)

[Ethylfluoroiodoacetate](#)

[Ethyl 4,4,4-trifluoroacetoacetate](#)

[Sodium Azide](#)

[Sulfamic Acid](#)

T. Yakaiah

Indian Institute of Chemical Technology, Tarnaka, Hyderabad, India

[Sodium Azide](#)

Tohru Yamada

Keio University, Yokohama, Japan

[\(1S,2S\)-\[N,N'-Bis\(2-acetyl-3-oxo-2-butylidene\)-1,2-dimesitylethylenediaminato\]cobalt](#)

Kenichi Yamanoi

Tokyo University of Science, Tokyo, Japan

[Nickel\(II\) Iodide](#)

Yoshihiko Yamamoto

Nagoya University, Nagoya, Japan

[Chloro\[\(1,2,5,6-η\)-1,5-cyclooctadiene\]\[\(1,2,3,4,5-η\)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl\]ruthenium](#)

Yasuhiro Yamashita

The University of Tokyo, Tokyo, Japan

[Barium tert-Butoxide](#)

Noriyuki Yamagiwa

The University of Tokyo, Tokyo, Japan

[Hydroxylamine](#)

Shigeru Yamago

Tokyo Institute of Technology, Japan

[Cyclopropanone 1,3-Propanediyl Acetal](#)

Ryohei Yamaguchi

Kyoto University Sakyo-ku Kyoto, Japan

[Di-μ-chlorodichlorobis\[\(1,2,3,4,5-η\)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl\]diiridium](#)

[\(R\)-3-Phenyl-3-trimethylsilyl-1-propene](#)

[\(1,5-Cyclooctadiene\)\(tricyclohexylphosphine\)\(pyridine\)iridium\(I\) Hexafluorophosphate](#)

Masahiko Yamaguchi

Tohoku University, Aoba, Sendai, Japan

[Gallium Trichloride](#)

Hisashi Yamamoto

Nagoya University Furo-cho, Chikusa, Nagoya, Japan

Nagoya University, Japan

[Allenylboronic Acid](#)

[Allyldiphenylphosphine Oxide](#)

[Allylidenetriphenylphosphorane](#)

[Aluminum Isopropoxide](#)

[\(R\)-3,3'-Bis\(triphenylsilyl\)binaphthomethylaluminum](#)

[\(2,6-Di-tert-butyl-4-methylphenoxy\)methylaluminum Trifluoromethanesulfonate](#)

[Diethylaluminum 2,2,6,6-Tetramethylpiperidide](#)

[Diisobutylaluminum 2,6-Di-*tert*-butyl-4-methylphenoxide](#)

[Diisobutylaluminum Phenyl Selenide](#)

[\(*R,R*\)- \$\alpha\$ -\(2,6-Diisopropoxybenzoyloxy\)-5-oxo-1,3,2-dioxaborolane-4-acetic Acid](#)

[Dimethylaluminum 2,6-Di-*tert*-butyl-4-methylphenoxide](#)

[Formaldehyde](#)

[Methylaluminum Bis\(4-bromo-2,6-di-*tert*-butylphenoxide\)](#)

[Methylaluminum Bis\(2,6-di-*tert*-butyl-4-methylphenoxide\)](#)

[Methylaluminum Bis\(2,6-di-*tert*-butylphenoxide\)](#)

[Methylaluminum Bis\(2,6-diphenylphenoxide\)](#)

[Methylaluminum Bis\(2,4,6-tri-*tert*-butylphenoxide\)](#)

[\(*R*\)-2-Hydroxy-2'-methoxy-1,1'-binaphthyl](#)

Tamotsu Yamamoto

Kanto Gakuin University, Yokohoma, Japan

[*S,S*-Dimethyl-*N*-\(*p*-toluenesulfonyl\)sulfilimine](#)

[*S*-Phenyl-*S*-vinyl-*N*-\(*p*-toluenesulfonyl\)sulfilimine](#)

Yasunori Yamamoto

Hokkaido University, Sapporo, Japan

[\(2*R*,3*R*\)-2,3-Bis\(diphenylphosphino\)butane](#)

[Boron Trichloride](#)

[Trimethylamine *N*-Oxide](#)

Yoshinori Yamamoto

Tohoku University, Sendai, Japan

[*B*-Allyl-9-borabicyclo\[3.3.1\]nonane](#)

[Allyltributylstannane](#)

[Chlorotrimethylstannane](#)

[Chlorotrimethylgermane](#)

[Chlorotriphenylstannane](#)

[Lithium N-Benzyltrimethylsilylamide](#)

[Tributylchlorostannane](#)

[Triethylborane](#)

[Trimethyl\(3-methyl-2-butenyl\)stannane](#)

[9-\[1-\(Trimethylsilyl\)-2\(E\)-butenyl\]-9-borabicyclo-\[3.3.1\]nonane](#)

H. Yamamoto

Nagoya University, Japan

[Methylmagnesium N-Cyclohexylisopropylamide](#)

Motoki Yamane

The University of Tokyo, Tokyo, Japan

[Isopropylmagnesium Bromide](#)

Masashige Yamauchi

Josai University, Saitama, Japan

[N-\(Methylthiomethyl\)piperidine](#)

Tu H. Yan

National Chung-Hsing University, Taiwan, Republic of China

[Titanium Tetrachloride–Magnesium](#)

Zhiqing Yan

The Ohio State University, Columbus, OH, USA

[trifluorovinyl lithium](#)

Akira Yanagisawa

Nagoya University, Japan

[Allyldiphenylphosphine Oxide](#)

[Allylidenetriphenylphosphorane](#)

Jin Haek Yang

University of Wisconsin, Madison, WI, USA

[Methyl 3,3,3-Trifluoropyruvate](#)

Dan Yang

The University of Hong Kong, Hong Kong

[\(R\)-2,10-Dichloro-5H-dinaphtho\[2,1-g:1,2-i\]\[1,5\]dioxacycloundecin-3,6,9\(7H\)-trione](#)

Guangli Yang

Memorial Sloan-Kettering Research Institute, New York, NY, USA

[1,2-Dibromo-1,1,2,2-tetrafluoroethane](#)

Teng-Kuei Yang

National Chung-Hsing University, Taichung, Republic of China

[1,4-Benzoquinone](#)

[Isatoic Anhydride](#)

[Raney Nickel](#)

Wen Yang

University of Alberta, Edmonton, Alberta, Canada

[Diphenyl\[2-\(4-pyridyl\)ethyl\]tin Hydride](#)

Wu Yang

The University of Michigan, Ann Arbor, MI, USA

[Furan](#)

Young-Keun Yang

Yonsei University, Seoul, South Korea

[Lanthanum\(III\) Triflate](#)

Jaemoon Yang

Montana State University, Bozeman, MT, USA

[trans-2,5-Dimethylpyrrolidine](#)

Mathew M. Yanik

J-Star Research, South Plainfield, NJ, USA

[4-Trimethylsilyl-3-butyne-2-ol](#)

Qingjia Yao

University of Illinois at Chicago, Chicago, IL, USA

[2-\(2-Iodophenyl\) Ethanethiol](#)

Qingwei Yao

Northern Illinois University, DeKalb, IL, USA

[9-Azabicyclo\[3.3.1\]nonane-N-oxyl](#)

[Diphenyl Ditelluride](#)

[5-Methylthio-1H-tetrazole](#)

[5-\(4-Nitrophenyl\)-1H-tetrazole](#)

[6-Hydroxy-6-\(2-nitrophenyl\)-hexanoic Acid](#)

[1-\(Mesitylene-2-sulfonyl\)-3-nitro-1,2,4-triazole \(MSNT\)](#)

[1-Butyl-3-methylimidazolium Hexafluorophosphate \(\[Bmim\]PF₆\)](#)

[Dichloro\[\[2-\(1-methylethoxy-O\)-5-\(methylpolyethyleneglycolylhemisuccinoul\)phenyl\]methylene\]tricyclohexylphosphine Ruthenium](#)

[Scandium Tris\(dodecylsulfate\)](#)

[Tri\(*tert*-butoxy\)silanethiol](#)

[1,1'-Binaphthyl-2,2'-diyl Hydrogen Phosphate](#)

[1-Methyl-2-azaadamantane N-Oxyl](#)

[1-\(Butylseleno\)-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro octane](#)

[Perfluoro-9-heptadecanone](#)

[5,10,15,20-Tetrakis\(heptafluoropropyl\)porphyrin](#)

[9-Bromo-9-borabicyclo\[3.3.1\]nonane](#)

[Bromodimethylborane](#)

[1-\(Butylseleno\)-3,5-bis\(heptafluorooctyl\)-benzene and 1-\(Butylseleno\)-2,4-bis\(heptafluorooctyl\)-benzene](#)

[\(-\)-\(1*S*,4*R*\)-Camphanic Acid](#)

[10-Camphorsulfonyl Chloride](#)

[\(11bR\)-4-\(1,1-Dimethylethyl\)-4,5-dihydro-3H-dinaphtho\[2,1-c:1',2'-e\]phosphopin](#)

Yun-hua Ye

Pfizer Global Research & Development La Jolla, Laboratories, CA, USA

[3-\(Diethoxyphosphoryloxy\)-1,2,3-benzo-triazin-4\(3H\)-one \(DEPBT\)](#)

Nathan K. Yee

Boehringer Ingelheim Pharmaceuticals, Inc., Ridgefield, CT, USA

[1,3-Di-tert-butylimidazol-2-ylidene](#)

[4-Formyloxazole](#)

Sue-Min Yeh

National Taiwan University, Taipei, Taiwan

[Dichloro\[1,1'-bis\(diphenylphosphino\)ferrocene\]palladium\(II\)](#)

Ying Yeung Yeung

The Chinese University of Hong Kong, Hong Kong, China

[Methyl Cyanoformate](#)

Jingjun Yin

Merck & Co., Inc., Rahway, New Jersey, USA

[Dicarbonyl\[hydrotris\(1H-pyrazolato-N'\)-borato-N2,N2',N2''\]\[\(2,3,4-η\)-5-methyl-2H-pyran-2-yl\]molybdenum](#)

Christiane Yoakim

Boehringer Ingelheim (Canada) Ltd., Laval, Quebec, Canada

[Bromo\(tert-butyl\)\(methoxy\)phenylsilane](#)

[tert-Butoxychlorodiphenylsilane](#)

[2-\(Trimethylsilyl\)ethanol](#)

Osamu Yonemitsu

Hokkaido University, Sapporo, Japan

[2,2-Dimethyl-1,3-dioxane-4,6-dione](#)

Hideki Yorimitsu

Kyoto University, Kyoto, Japan

[1,1-Dimethylsilacyclobutane](#)

[Bis\(bicyclo\[2.2.1\]hepta-2,5-diene\)-dichlorodirhodium](#)

[N,N-Dichlorobenzenesulfonamide](#)

[Trimethylsilylmethylmagnesium Chloride](#)

[Tri-2-furanylgermane](#)

Hiroto Yoshida

Hiroshima University, Higashi-Hiroshima, Japan

[Diphenyl-2-Pyridylphosphine](#)

Jun-ichi Yoshida

Kyoto University, Yoshida, Kyoto, Japan

[\[Bis\(2-pyridyldimethylsilyl\)methyl\]lithium](#)

[2-Pyridyldimethylsilane](#)

Naoki Yoshikawa

Graduate School of Pharmaceutical Sciences, The University of Tokyo, Japan

[Lanthanum\(III\)-Lithium-BINOL Complex](#)

Takehiko Yoshimitsu

Meiji Pharmaceutical University, Tokyo, Japan

[Triethylborane](#)

Toshiaki Yoshimura

Toyama University, Japan

[S,S-Diphenylsulfilimine](#)

Julianne M. Yost

Duke University, Durham, NC, USA

[Tris\(2-carboxyethyl\)phosphine Hydrochloride](#)

David G. J. Young

The University of Tennessee, Knoxville, TN, USA

[1,1-Diethoxy-2-chloroethene](#)

[Trifluoroacetylperhenate](#)

David G. Young

The Ohio State University, Columbus, OH, USA

[\(SP-4-4\)-\[\(S\)-\[O-\(1-Benzyl-2-pyrrolidinecarboxamido\)- \$\alpha\$ -phenylbenzylidene\]glycinato\(2-\)-N,N',N',O1\]-nickel](#)

[1,3-Difluorobenzene](#)

[1,2,3-Trifluorobenzene](#)

David Young

University of Tennessee, Knoxville, USA

[\(Trimethylsilyloxy\)trioxorhenium](#)

Jonathan R. Young

University of Wisconsin, Madison, WI, USA

[Diethyl Phosphorochloridate](#)

[Sodium Trithiocarbonate](#)

Tao Yu

Schering Plough Corporation, Kenilworth, NJ, USA

[1,3-Bis\(tributylstannyl\)-2-methylene propane](#)

Wing-Yiu Yu

The Hong Kong Polytechnic University, Kowloon, Hong Kong

[Ethyl 4-Chloroacetoacetate](#)

Biao Yu

Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Shanghai, China

[N-Phenyltrifluoroacetimidoyl Chloride](#)

Jin-Quan Yu

The Scripps Research Institute, La Jolla, CA, USA

[Iodine Monoacetate](#)

Xiaomei Yu

West Virginia University, Morgantown, WV, USA

[2-Ethenylfuran](#)

[1-\(2-Furanyl\)-1,2-ethanediol](#)

Tien-Min Yuan

National Taiwan University, Taipei, Taiwan

[Dichlorobis\(triphenylphosphine\)nickel\(II\)](#)

Andrei K. Yudin

University of Toronto, Toronto, ON, Canada

[N-Aminophthalimide](#)

[Phenylsulfinylethylene](#)

[\(Phenylthio\)trimethylsilane](#)

[Phenylmagnesium Bromide](#)

Tai-Yuen Yue

Bristol-Myers Squibb Co., Deepwater, NJ

[Trithiazyl Trichloride](#)

Heedong Yun

Wyeth Research, Princeton, NJ, USA

[\$\beta\$ -Propiolactone](#)

Michael J. Zacuto

Columbia University, New York, NY, USA

[Dicarbonyl\(acetylacetonato\) Rhodium\(I\)](#)

Marek Zaidlewicz

Nicolaus Copernicus University, Torun, Poland

[Borane Dimethyl Sulfide](#)

[Borane–Tetrahydrofuran](#)

[Chlorodiethylborane](#)

[Dibromoborane–Dimethyl Sulfide](#)

[Dichloro\[1,4-bis\(diphenylphosphino\)butane\]nickel\(II\)](#)

[Dichloroborane Diethyl Etherate](#)

[Dichloroborane–Dimethyl Sulfide](#)

[Lithium Trisiamylborohydride](#)

[Monochloroborane Diethyl Etherate](#)

[Monochloroborane–Dimethyl Sulfide](#)

[Potassium Triethylborohydride](#)

[Tetrahydro-1-methyl-3,3-diphenyl-1*H*, 3*H*-pyrrolo\[1,2-*c*\]\[1,3,2\]oxazaborole](#)

Ömer Zaim

Trakya University, Edirne, Turkey

[Dimethylthiocarbamoyl Chloride](#)

Walter W. Zajac Jr.

Villanova University, PA, USA

[2-Nitropropane](#)

[1-Nitropropane](#)

Matteo Zanda

Politecnico di Milano, Milano, Italy

[\(*E*\)-Trifluoromethyl-1-nitroethylene](#)

Samir Z. Zard

Laboratoire de Synthèse Organique, Ecole Polytechnique, Palaiseau, France

[Allyl Ethyl Sulfone](#)

María M. Zarzuelo

PharmaMar S.A., Colmenar Viejo, Spain

[2-\(Trimethylsilyl\)thiazole](#)

[2-Dicyclohexylphosphino-2',6'-diisopropoxy-1,1'-biphenyl](#)

Nikolai S. Zefirov

Moscow State University, Russia

Moscow State University, Moscow, Russia

[Chlorine Fluoroxysulfate](#)

[*N,N*-Diethyl-2-chloro-1,1,2-trifluoroethylamine](#)

[2*H*-Hexafluoropropyl Azide](#)

[Peroxydisulfuryl Difluoride](#)

Kristen Zeitler

University of Regensburg, Regensburg, Germany

[Silver\(I\) Nitrate](#)

Gunars Zelčans

Institute of Organic Synthesis, Riga, Latvia

[Benzenesulfonyl Chloride](#)

[Ethylene Sulfide](#)

Wayne E. Zeller

Illinois State University, Normal, IL, USA

[Methanethiol](#)

[N-Phenyltrifluoromethanesulfonimide](#)

[Phenyl Vinyl Sulfide](#)

Saskia Zemolka

Grünenthal GmbH, Aachen, Germany

[Trimethylsilylacetylene](#)

Fanxing Zeng

Purdue University, West Lafayette, IN, USA

[\(E\)-1-Bromo-2-iodoethylene](#)

[\(E\)-1-Bromo-4-trimethylsilyl-1-buten-3-yne](#)

Ying Zeng

Research Center for Eco-Environmental Sciences, Academia Sinica, Beijing, China

[N-Iodosuccinimide](#)

Mark W. Zettler

The Dow Chemical Company, Midland, MI, USA

[Iron](#)

[Iron\(III\) Nitrate–K10 Montmorillonite Clay](#)

[Iron\(II\) Perchlorate](#)

[Iron\(II\) Phthalocyanine](#)

[Iron\(III\) Sulfate](#)

[Montmorillonite K10](#)

[\$\mu_3\$ -Oxohexakis\(\$\mu\$ -trimethylacetato\)tris\(methanol\)triiron\(III\) Chloride](#)

[Trimethylironlithium](#)

[Tris\(acetylacetonato\)iron\(III\)](#)

[Tris\(dibenzoylmethide\)iron\(III\)](#)

Viacheslav Zgonnik

Université Paul Sabatier, France

[1-Fluoro-2,4,6-trimethylpyridinium Tetrafluoroborate](#)

Bao Zhang

University of Regina, Regina, Saskatchewan, Canada

[Methanamine, 1,1-Bis\(trimethylsilyl\)](#)

Ji Zhang

Pfizer, Inc., Ann Arbor, MI, USA

[Mucochloric Acid](#)

Li-Jun Zhang

Shanghai Institute of Organic Chemistry, China

[Tributylstibine](#)

Laijun Zhang

Chinese Academy of Sciences, Shanghai, Peoples' Republic of China

[2-Chloro-2,2-difluoroacetophenone](#)

Xumu Zhang

Rutgers, The State University of New Jersey, Piscataway, NJ, USA

[C_n-TunePhos](#)

[2,2'-Biphospholane-1,1'-bis\(1,1-dimethylethyl\)-\(1S,1'S,2R,2'R\)-\(9Cl\)](#)

[1H-1,2,3-Triazole, 4-\[Bis\(1,1-dimethylethyl\)phosphino\]-5-\(2-methoxyphenyl\)-1-phenyl-,
1H-1,2,3-Triazole, 4-\[Bis\(1,1-dimethylethyl\)phosphino\]-5-\(1-naphthalenyl\)-1-phenyl-](#)

[,1H-1,2,3-Triazole, 4-\[Bis\(1,1-dimethylethyl\)phosphino\]-1,5-diphenyl-, 1H-1,2,3-Triazole, 4-\(Dicyclohexylphosphino\)-1,5-diphenyl-, and 1H-1,2,3-Triazole, 4-\(Diphenylphosphino\)-1,5-diphenyl](#)

[\(1R,1'R,2S,2'S\)-2,2'-Bis\(1,1-dimethylethyl\)-2,2',3,3'-tetrahydro-1,1'-bi-1H-isophosphindole and \(1S,1'S,2R,2'R\)-2,2'-Bis\(1,1-dimethylethyl\)-2,2',3,3'-tetrahydro-1,1'-bi-1H-isophosphindole](#)

[\(1R,2R,4R,5R\)-2,5-Bis\(1-methylethyl\)-7-phenyl-7-phosphabicyclo\[2.2.1\]heptane](#)

Mao-Xi Zhang

The University of Chicago, Chicago, IL, USA

[Butylmagnesium Diisopropylamide](#)

Minsheng Zhang

The Scripps Research Institute, La Jolla, CA, USA

[Dimethyl 1,2,4,5-Tetrazine-3,6-dicarboxylate](#)

[3,6-Diphenyl-1,2,4,5-tetrazine](#)

[4-Methyl-1,2,3-triazine](#)

[\(E,E\)-N-Phenylsulfonyl-4-phenyl-1-aza-1,3-butadiene](#)

[1,2,4-Triazine](#)

[Triethyl 1,2,4-Triazine-3,5,6-tricarboxylate](#)

X. Peter Zhang

University of South Florida, Tampa, FL, USA

[Cobalt\(II\) Acetate](#)

Qisheng Zhang

The Scripps Research Institute, La Jolla, CA, USA

[1,1,1,2,2,3,3,4,4-Nonafluoro-6-\(methane-sulfinyl\)hexane](#)

Wei Zhang

Fluorous Technologies, Inc, Pittsburgh, PA, USA

[Fluorous TIPS Triflate](#)

[Fluorous Silica Gel](#)

[1H,1H,2H,2H-Perfluorodecanethiol](#)

Wenming Zhang

Dupont Crop Protection, Stine-Haskell Research Center, Elkton Road, Newark, DE, USA

[tert-Butyldimethylchlorosilane](#)

[tert-Butyldiphenylchlorosilane](#)

[Chlorotrimethylsilane](#)

Xiaojie Zhang

University of Miami, Coral Gables, FL, USA

[Potassium Hydride](#)

Xuejun Zhang

University of Wisconsin, Madison, WI, USA

[1-Acetoxy-1,3-butadiene](#)

Liming Zhang

University of Nevada, Reno, NV, USA

[Dichloro\(pyridine-2-carboxylato\)-gold\(III\)](#)

[Copper\(II\) Bromide](#)

[\[1,1,1-Trifluoro-N-\[\(trifluoromethyl\)sulfonyl\]methanesulfonamidato- \$\kappa\$ N\]\(triphenylphosphine\)](#)

Xiaowei Zhang

Rutgers, the State University of New Jersey, Piscataway, NJ, USA

[\(1R,1'R,2S,2'S\)-2,2'-Bis\(1,1-dimethylethyl\)-2,2',3,3'-tetrahydro-1,1'-bi-1H-isophosphindole and \(1S,1'S,2R,2'R\)-2,2'-Bis\(1,1-dimethylethyl\)-2,2',3,3'-tetrahydro-1,1'-bi-1H-isophosphindole](#)

[\(1R,2R,4R,5R\)-2,5-Bis\(1-methylethyl\)-7-phenyl-7-phosphabicyclo\[2.2.1\]heptane](#)

Changjia Zhao

Okayama University of Science, Okayama, Japan

[Dichlorotris\(triphenylphosphine\)ruthenium\(II\)](#)

[Pentahydridobis\(triisopropylphosphine\)iridium\(V\)](#)

Viktor V. Zhdankin

University of Minnesota Duluth, Duluth, MN, USA

[Iodosylbenzene](#)

[Lithium Phenylethynolate](#)

[1,2-Benziodoxol-3\(1H\)-one Derivative](#)

[1-Hydroxy-1,2-benziodoxol-3\(1H\)-one](#)

[Heptadecafluorooctyl\[bis\(trifluoroacetoxy\)\]iodine](#)

Shilong Zheng

Georgia State University, Atlanta, GA, USA

[Iodomethyl Methyl Ether](#)

Hua M. Zhong

The Ohio State University, Columbus, OH, USA

[1,3-Pentadiene](#)

Minghong Zhong

Albany Molecular Research, Inc., Albany, NY, USA

[4-\(tert-butyl dimethylsilyloxy\)pent-3-en-2-one](#)

Shengze Zhou

University of Strathclyde, Glasgow, UK

[Tetrathaifulvalene](#)

[4,5,9,10-Tetrahydro-3H,8H-2a,5a,7a,10a-tetraazadicyclopenta\[ef,k\]heptalene](#)

Zhang-Lin Zhou

Shanghai Institute of Organic Chemistry, China

[Dibutyl Telluride](#)

[β-Hydroxyethyltriphenylarsonium Bromide](#)

[\(2-Oxoisopentyl\)triphenylarsonium Bromide](#)

[Tributylstibine](#)

[Triphenylarsine](#)

Qi-Lin Zhou

Nankai University, Tianjin, Peoples' Republic of China

[\(R\)- and \(S\)-7,7'-Bis\(diphenylphosphino\)-2,2',3,3'-tetrahydro-1,1'-spirobiindene](#)

[\(11aR\)- and \(11aS\)-10,11,12,13-Tetrahydroindeno-\[7,7-de:1'7'-fg\]\[1,3,2\]dioxaphosphocin-5-dimethylamine](#)

Chongjie Zhu

Washington State University, Pullman, WA, USA

[2-\[Bis-\(3,5-bistrifluoromethyl\)-Phenyl\]-\[\(Trimethylsilyl\)oxy\]-Methyl\]-Pyrrolidine](#)

Dunming Zhu

Shanghai Institute of Organic Chemistry, China

[Tris\(cyclopentadienyl\)lanthanum–Sodium Hydride](#)

Jieping Zhu

Institut de Chimie des Substances Naturelles, CNRS, Gif-sur-Yvette Cedex, France

[1,3,4,6,7,8-Hexahydro-1-methyl-2H-pyrimido\[1,2-a\]-pyrimidine \(MTBD\)](#)

[1,5,7-Triazabicyclo\[4.4.0\]dec-5-ene, Polymer-supported \(PTBD\)](#)

[4-Nitrophenyltriflate](#)

[1-\(2,2-Dimethoxyethyl\)-2-isocyanobenzene](#)

[1-Isocyano-2-nitrobenzene](#)

[1-Isocyanocyclohex-1-ene](#)

Shifa Zhu

University of South Florida, Tampa, FL, USA

[Cobalt\(II\) Acetate](#)

Michael A. Zhuravel

Northwestern University, Evanston, IL, USA

[1,3-bis\(2,6-diisopropylphenyl\)-4,5-dihydroimidazol-2-ylidene](#)

Regina Zibuck

Wayne State University, Detroit, MI, USA

[Acetic Anhydride](#)

[Acetic Formic Anhydride](#)

[2-Acetoxyisobutyryl Chloride](#)

[2-Chloroethyl Dichloromethyl Ether](#)

[Diphenylacetyl Chloride](#)

[Ethyl 2-Methyl-4-oxo-2-cyclohexene-1-carboxylate](#)

[Trifluoroacetyl Chloride](#)

[Methyl Methanethiosulfonate](#)

[Methyl 3-Oxo-4-pentenoate](#)

Frederick E. Ziegler

Yale University, New Haven, CT, USA

[3-Methoxyisoprene](#)

[Methyl Hydrazinocarboxylate](#)

[Triethyl Orthoacetate](#)

Thomas Ziegler

University of Tübingen, Tübingen, Germany

[Malonyl Chloride](#)

[1,1,2,2-Tetramethoxycyclohexane](#)

[3,3',4,4'-Tetrahydro-6,6'-bi\(2H-pyran\)](#)

[Chloroacetyl Chloride](#)

Reinhold Zimmer

Freie Universität Berlin, Berlin, Germany

[1-Methoxyallenylithium](#)

Reiner Zimmermann

University Erlangen-Nürnberg, Germany

[Cyanomethylenetriphenylphosphorane](#)

[Ketenylidenetriphenylphosphorane](#)

[Propargyltriphenylphosphonium Bromide](#)

Dmitry Zuev

Bristol-Myers Squibb Company, 5 Research Parkway, Wallingford, CT, 06492

[2-Lithiopyridine](#)

[Phenyllithium](#)

Gang Zuo

University of Utah, Salt Lake City, UT, USA

[Bis\(1,5-cyclooctadiene\)nickel\(0\)](#)