

[BROWSE](#) | [SEARCH](#)

- [Preface](#)
- [4CC](#)
- [Acetoacetic Ester Condensation](#)
- [Acetoacetic Ester Synthesis](#)
- [Acyloin Condensation](#)
- [Addition](#)
- [Akabori Amino Acid Reactions](#)
- [Alder \(see Diels-Alder Reaction\)](#)
- [Alder \(see Retro-Diels-Alder Reaction\)](#)
- [Alder-Ene Reaction](#)
- [Aldol Reaction \(Condensation\)](#)
- [Algar-Flynn-Oyamada Reaction](#)
- [Allan-Robinson Reaction](#)
- [Allylic Rearrangements](#)
- [Aluminum Alkoxide Reduction \(see Meerwein-Ponndorf-Verley Reduction\)](#)
- [Aluminum Alkoxide Reduction](#)
- [Amadori Rearrangement](#)
- [Amidine and Ortho Ester Synthesis](#)
- [Aniline Rearrangement](#)
- [Arbuzov \(see Michaelis-Arbuzov Reaction\)](#)
- [Arens-van Dorp Synthesis](#)
- [Arndt-Eistert Synthesis](#)
- [Auwers Synthesis](#)
- [Babayan \(see Favorskii-Babayan Synthesis\)](#)
- [Bachmann \(see Gomberg-Bachmann Reaction\)](#)
- [Bäcklund \(see Ramberg-Bäcklund Reaction\)](#)
- [Baeyer-Drewson Indigo Synthesis](#)
- [Baeyer-Villiger Reaction](#)
- [Baker-Venkataraman Rearrangement](#)
- [Bakshi \(see Corey-Bakshi-Shibata Reduction\)](#)
- [Balz-Schiemann Reaction](#)
- [Bamberger Rearrangement](#)
- [Bamford-Stevens Reaction](#)
- [Barbier\(-type\) Reaction](#)
- [Barbier-Wieland Degradation](#)
- [Bart Reaction](#)
- [Bartoli Indole Synthesis](#)
- [Barton-Kellogg Reaction](#)
- [Barton-McCombie Reaction](#)
- [Barton Decarboxylation](#)
- [Barton Deoxygenation](#)
- [Barton Olefin Synthesis](#)
- [Barton Reaction](#)
- [Barton-Zard Reaction](#)
- [Baudisch Reaction](#)
- [Bauer \(see Haller-Bauer Reaction\)](#)
- [Baumann \(see Schotten-Baumann Reaction\)](#)
- [Baylis-Hillman Reaction](#)
- [Béchamp Reduction](#)

- **Beckmann Fragmentation**
- **Beckmann Rearrangement**
- **Beckwith (see Dowd-Beckwith Ring Expansion Reaction)**
- **Belleau (see Fujimoto-Belleau Reaction)**
- **Bénary (see Feist-Bénary Synthesis)**
- **Bénary Reaction**
- **Benkeser Reduction**
- **Benzidine Rearrangement**
- **Benzil-Benzilic Acid Rearrangement**
- **Benzilic Acid Rearrangement**
- **Benzoin Condensation**
- **Bergius Process**
- **Bergman Reaction**
- **Bergmann Azlactone Peptide Synthesis**
- **Bergmann Degradation**
- **Bergmann-Zervas Carbobenzoxy Method**
- **Bergs (see Bucherer-Bergs Reaction)**
- **Bernthsen Acridine Synthesis**
- **Betti Reaction**
- **Beyer Method for Quinolines**
- **Biginelli Reaction**
- **Birch Reduction**
- **Bischler-Möhlau Indole Synthesis**
- **Bischler-Napieralski Reaction**
- **Blaise-Maire Reaction**
- **Blaise Ketone Synthesis**
- **Blaise Reaction**
- **Blanc (see Bouveault-Blanc Reduction)**
- **Blanc Reaction**
- **Blanc Reaction-Blanc Rule**
- **Bodroux-Chichibabin Aldehyde Synthesis**
- **Bodroux Reaction**
- **Bogert-Cook Synthesis**
- **Bohn-Schmidt Reaction**
- **Boord Olefin Synthesis**
- **Borodine Reaction**
- **Borsche-Drechsel Cyclization**
- **Böters (see Wolffenstein-Böters Reaction)**
- **Bouveault Aldehyde Synthesis**
- **Bouveault-Blanc Reduction**
- **Boyland-Sims Oxidation**
- **Bradsher Cycloaddition**
- **Bradsher Cyclization**
- **Bradsher Reaction**
- **Brook Rearrangement**
- **"Browning" Reaction**
- **Brunner (see Einhorn-Brunner Reaction)**
- **Bucherer-Bergs Reaction**
- **Bucherer Carbazole Synthesis**
- **Bucherer Reaction**

- Büchi (see Paterno-Büchi Reaction)
- Buchner-Curtius-Schlotterbeck Reaction
- Buchner Method of Ring Enlargement
- Buchwald-Hartwig Cross Coupling Reaction
- Butterberg (see Fritsch-Buttenberg-Wiechell Rearrangement)
- Cadiot-Chodkiewicz Coupling
- Campbell (see Hoch-Campbell Aziridine Synthesis)
- Camps Quinoline Synthesis
- Cannizzaro Reaction
- Carbylamine Reaction
- Carroll Rearrangement
- Castro Reaction
- Castro-Stephens Coupling
- CBS
- Chapman Rearrangement
- Chichibabin (see Bodroux-Chichibabin Aldehyde Synthesis)
- Chichibabin Pyridine Synthesis
- Chichibabin Reaction
- Chloromethylation (see Blanc Reaction)
- Chloromethylation
- Chodkiewicz (see Cadiot-Chodkiewicz Coupling)
- Chugaev Reaction
- Ciamician-Dennstedt Rearrangement
- Claisen (see Darzens-Claisen Reaction)
- Claisen Condensation
- Claisen Rearrangement
- Claisen-Schmidt Condensation
- Clarke (see Eschweiler-Clarke Reaction)
- Clemmensen Reduction
- Collins Oxidation
- Colman (see Gabriel-Colman Rearrangement)
- Combes Quinoline Synthesis
- Condensation
- Conia-Ene Reaction
- Conrad-Limpach Cyclization
- Contardi (see Körner-Contardi Reaction)
- Cook (see Bogert-Cook Synthesis)
- Cope Elimination Reaction
- Cope Rearrangement
- Corey-Bakshi-Shibata Reduction
- Corey-Kim Oxidation
- Corey-Winter Olefin Synthesis
- Cornforth Rearrangement
- Coumarin-Benzofuran Ring Contraction
- Crafts (see Friedel-Crafts Reaction)
- Craig Method
- Criegee Reaction
- Crum Brown-Walker Reaction
- Curtius (see Buchner-Curtius-Schlotterbeck Reaction)
- Curtius Reaction

- **Curtius Rearrangement**
- **D-Homo Rearrangement of Steroids**
- **Dakin Reaction**
- **Dakin-West Reaction**
- **Darzens-Claisen Reaction**
- **Darzens Condensation**
- **Darzens-Nenitzescu Synthesis of Ketones**
- **Darzens Synthesis of Tetralin Derivatives**
- **Delépine Amine Synthesis**
- **Delépine Reaction**
- **de Mayo Reaction**
- **Demjanov (see Tiffeneau-Demjanov Rearrangement)**
- **Demjanov Rearrangement**
- **Dennstedt (see Ciamician-Dennstedt Rearrangement)**
- **Dess-Martin Oxidation**
- **Dieckmann Reaction**
- **Diels-Alder Reaction**
- **Dienone-Phenol Rearrangement**
- **Dimroth Rearrangement**
- **Doebner Modification**
- **Doebner-Miller Reaction**
- **Doebner Reaction**
- **Doering-LaFlamme Allene Synthesis**
- **Dötz Reaction**
- **Dowd-Beckwith Ring Expansion Reaction**
- **Drechsel (see Borsche-Drechsel Cyclization)**
- **Drewson (see Baeyer-Drewson Indigo Synthesis)**
- **Duff Reaction**
- **Duppa (see Frankland-Duppa Reaction)**
- **Dutt-Wormall Reaction**
- **Eastwood Deoxygenation**
- **Eastwood Reaction**
- **Edman Degradation**
- **Eglinton Reaction**
- **Ehrlich-Sachs Reaction**
- **Einhorn (see Tscheniac-Einhorn Reaction)**
- **Einhorn-Brunner Reaction**
- **Eistert (see Arndt-Eistert Synthesis)**
- **Elbs Persulfate Oxidation**
- **Elbs Reaction**
- **Emde Degradation**
- **Emmert Reaction**
- **Emmons (see Horner-Wadsworth-Emmons Reaction)**
- **Ene Reaction**
- **Erdmann (see Volhard-Erdmann Cyclization)**
- **Erlenmeyer-Plöchl Azlactone and Amino Acid Synthesis**
- **Eschenmoser-Claisen Rearrangement**
- **Eschenmoser-Tanabe Fragmentation**
- **Eschenmoser Coupling Reaction**
- **Eschenmoser Fragmentation**

- **Eschweiler-Clarke Reaction**
- **Étard Reaction**
- **Evans (see Mislow-Evans Rearrangement)**
- **Evans Aldol Reaction**
- **Exhaustive Methylation**
- **Favorskii-Babayan Synthesis**
- **Favorskii Rearrangement**
- **Feist-Bénary Synthesis**
- **Fenton (see Ruff-Fenton Degradation)**
- **Fenton Reaction**
- **Ferrier Rearrangement**
- **Finkelstein Reaction**
- **Fischer (see Houben-Fischer Synthesis)**
- **Fischer (see Kiliani-Fischer Synthesis)**
- **Fischer (see Grosheintz-Fischer-Reissert Aldehyde Synthesis)**
- **Fischer-Hepp Rearrangement**
- **Fischer Indole Synthesis**
- **Fischer Oxazole Synthesis**
- **Fischer Peptide Synthesis**
- **Fischer Phenylhydrazine Synthesis**
- **Fischer Phenylhydrazone and Osazone Reaction**
- **Fischer-Speier Esterification Method**
- **Fischer-Tropsch Syntheses**
- **Fittig (see Wurtz-Fittig Reaction)**
- **Flood Reaction**
- **Flynn (see Algar-Flynn-Oyamada Reaction)**
- **Forster Diazoketone Synthesis**
- **Forster Reaction**
- **Four-Component Condensation**
- **Franchimont Reaction**
- **Frankland-Duppa Reaction**
- **Frankland Synthesis**
- **Freund Reaction**
- **Freytag (see Hofmann-Löffler-Freytag Reaction)**
- **Friedel-Crafts Reaction**
- **Friedlaender Synthesis**
- **Fries Rearrangement**
- **Fritsch (see Pomeranz-Fritsch Reaction)**
- **Fritsch-Buttenberg-Wiechell Rearrangement**
- **Fujimoto-Belleau Reaction**
- **Gabriel Isoquinoline Synthesis**
- **Gabriel-Marckwald Ethylenimine Synthesis**
- **Gabriel-Colman Rearrangement**
- **Gabriel Ethylenimine Method**
- **Gabriel Synthesis**
- **Gams (see Pictet-Gams Isoquinoline Synthesis)**
- **Gattermann Reaction**
- **Gattermann Aldehyde Synthesis**
- **Gattermann-Koch Reaction**
- **Glaser Coupling**

- **Glycidic Ester Condensation**
- **Goldberg (see Jourdan-Ullmann-Goldberg Synthesis)**
- **Gomberg-Bachmann Reaction**
- **Gomberg Free Radical Reaction**
- **Gould-Jacobs Reaction**
- **Graebe-Ullmann Synthesis**
- **Griess Diazo Reaction**
- **Grignard Degradation**
- **Grignard Reaction**
- **Grob Fragmentation**
- **Grosheintz-Fischer-Reissert Aldehyde Synthesis**
- **Grundmann Aldehyde Synthesis**
- **Guareschi-Thorpe Condensation**
- **Guerbet Reaction**
- **Gustavson Reaction**
- **Gutknecht Pyrazine Synthesis**
- **Haack (see Vilsmeier-Haack Reaction)**
- **Haaf (see Koch-Haaf Carboxylations)**
- **Haller-Bauer Reaction**
- **Haloform Reaction**
- **Hammick Reaction**
- **Hantzsch Dihydropyridine Synthesis**
- **Hantzsch Pyrrole Synthesis**
- **Harries Ozonide Reaction**
- **Hartwig (see Buchwald-Hartwig Cross Coupling Reaction)**
- **Hass Cyclopropane Process**
- **Hauser (see Sommelet-Hauser Rearrangement)**
- **Haworth Methylation**
- **Haworth Phenanthrene Synthesis**
- **Hayashi Rearrangement**
- **Heck Reaction**
- **Helferich Method**
- **Hell-Volhard-Zelinsky Reaction**
- **Henkel Process**
- **Henkel Reaction**
- **Henry Reaction**
- **Hepp (see Fischer-Hepp Rearrangement)**
- **HERON Rearrangement**
- **Herz Reaction**
- **Heteroatom Rearrangements on Nitrogen**
- **Hilbert-Johnson Reaction**
- **Hillman (see Baylis-Hillman Reaction)**
- **Hinsberg Oxindole and Oxiquinoline Synthesis**
- **Hinsberg Sulfone Synthesis**
- **Hinsberg Synthesis of Thiophene Derivatives**
- **Hiyama (see Nozaki-Hiyama Coupling Reaction)**
- **Hoch-Campbell Aziridine Synthesis**
- **Hoesch (see Houben-Hoesch Reaction)**
- **Hofmann Degradation**
- **Hofmann Isonitrile Synthesis**

- **Hofmann-Löffler-Freytag Reaction**
- **Hofmann-Martius Rearrangement**
- **Hofmann Reaction**
- **Hofmann-Sand Reactions**
- **Hooker Reaction**
- **Horner Reaction**
- **Horner-Wadsworth-Emmons Reaction**
- **Hosomi-Sakurai Reaction**
- **Houben-Fischer Synthesis**
- **Houben-Hoesch Reaction**
- **Houdry Cracking Process**
- **Huang-Minlon Modification**
- **Hubert (see Pictet-Hubert Reaction)**
- **Hunsdiecker Reaction**
- **Hydroboration Reaction**
- **Hydroformylation Reaction**
- **Ireland-Claisen Rearrangement**
- **Irvine-Purdie Methylation**
- **Isler Modification**
- **Ivanov Reaction**
- **Jacobs (see Gould-Jacobs Reaction)**
- **Jacobsen Epoxidation**
- **Jacobsen Rearrangement**
- **Janovsky Reaction**
- **Japp-Klingemann Reaction**
- **Jauregg (see Wagner-Jauregg Reaction)**
- **Johnson (see Hilbert-Johnson Reaction)**
- **Johnson-Claisen Rearrangement**
- **Jones Oxidation**
- **Jourdan-Ullmann-Goldberg Synthesis**
- **Julia-Lythgoe Olefination**
- **Julia Olefination**
- **Kellogg (see Barton-Kellogg Reaction)**
- **Kendall-Mattox Reaction**
- **Khand (see Pauson-Khand Reaction)**
- **Kiliani-Fischer Synthesis**
- **Kim (see Corey-Kim Oxidation)**
- **Kindler (see Willgerodt-Kindler Reaction)**
- **Kishi (see Nozaki-Hiyama-Kishi Reaction)**
- **Kishner (see Wolff-Kishner Reduction)**
- **Kishner Cyclopropane Synthesis**
- **Klingemann (see Japp-Klingemann Reaction)**
- **Knoevenagel (see Witt and Knoevenagel Diazotization Methods)**
- **Knoevenagel Condensation**
- **Knoop-Oesterlin Amino Acid Synthesis**
- **Knorr (see Koenigs-Knorr Synthesis)**
- **Knorr (see Paal-Knorr Pyrrole Synthesis)**
- **Knorr Pyrazole Synthesis**
- **Knorr Pyrrole Synthesis**
- **Knorr Quinoline Synthesis**

- **Koch** (see **Gattermann-Koch Reaction**)
- **Koch-Haaf Carboxylations**
- **Kochi Reaction**
- **Koenigs-Knorr Synthesis**
- **Kolbe Electrolytic Synthesis**
- **Kolbe-Schmitt Reaction**
- **Körner-Contardi Reaction**
- **Kostanecki Acylation**
- **Krafft Degradation**
- **Krapcho Decarbalkoxylation**
- **Kritschenko** (see **Petrenko-Kritschenko Piperidone Synthesis**)
- **Kröhne Oxidation**
- **Kröhne Pyridine Synthesis**
- **Kucherov Reaction**
- **Kuhn-Winterstein Reaction**
- **Ladenburg Rearrangement**
- **LaFlamme** (see **Doering-LaFlamme Allene Synthesis**)
- **Lebedev Process**
- **Lehmstedt-Tanasescu Reaction**
- **Lettré** (see **Westphalen-Lettré Rearrangement**)
- **Letts Nitrile Synthesis**
- **Leuckart-Wallach Reaction**
- **Leuckart (Leukart) Reaction**
- **Leuckart Thiophenol Reaction**
- **Lieben Iodoform Reaction**
- **Limpach** (see **Conrad-Limpach Cyclization**)
- **Lobry de Bruyn-van Ekenstein Transformation**
- **Löffler** (see **Hofmann-Löffler-Freytag Reaction**)
- **Lossen Rearrangement**
- **Lythgoe** (see **Julia-Lythgoe Olefination**)
- **Madelung Synthesis**
- **Maillard Reaction**
- **Maire** (see **Blaise-Maire Reaction**)
- **Malaprade Reaction**
- **Malonic Ester Syntheses**
- **Mannich Reaction**
- **Marckwald** (see **Gabriel-Marckwald Ethylenimine Synthesis**)
- **Marschalk Reaction**
- **Martin** (see **Dess-Martin Oxidation**)
- **Martinet Dioxindole Synthesis**
- **Martius** (see **Hofmann-Martius Rearrangement**)
- **Mattox** (see **Kendall-Mattox Reaction**)
- **McCombie** (see **Barton-McCombie Reaction**)
- **McFadyen-Stevens Reaction**
- **McLafferty Rearrangement**
- **McMurry Coupling Reaction**
- **Meerwein** (see **Wagner-Meerwein Rearrangement**)
- **Meerwein Arylation**
- **Meerwein-Ponndorf-Verley Reduction**
- **Meisenheimer Rearrangements**

- **Menschutkin Reaction**
- **Merrifield Solid-Phase Peptide Synthesis**
- **Methylenation**
- **Meyer Reaction**
- **Meyer-Schuster Rearrangement**
- **Meyer Synthesis**
- **Meyers Aldehyde Synthesis**
- **Michael (see Mukaiyama-Michael Reaction)**
- **Michael Reaction**
- **Michaelis-Arbuzov Reaction**
- **Miescher Degradation**
- **Mignonac Reaction**
- **Milas Hydroxylation of Olefins**
- **Miller (see Doebner-Miller Reaction)**
- **Minlon (see Huang-Minlon Modification)**
- **Mislow-Evans Rearrangement**
- **Mitsunobu Reaction**
- **Moffatt (see Pfitzner-Moffatt Oxidation)**
- **Moffatt Oxidation**
- **Moffatt-Swern Oxidation**
- **Möhlau (see Bischler-Möhlau Indole Synthesis)**
- **Moore Cyclization**
- **Moore Myers Cyclization**
- **Morgan-Walls Reaction**
- **Moser (see Wessely-Moser Rearrangement)**
- **Mukaiyama Aldol Reaction**
- **Mukaiyama-Michael Reaction**
- **Müller (see Schlittler-Müller Modification)**
- **Müller (see Sonn-Müller Method)**
- **Myers Cyclization**
- **Nagata Hydrocyanation**
- **Nametkin Rearrangement**
- **Napieralski (see Bischler-Napieralski Reaction)**
- **Natta (see Ziegler-Natta Polymerization)**
- **Nazarov Cyclization Reaction**
- **Neber Rearrangement**
- **Nef Reaction**
- **Nef Synthesis**
- **Negishi Cross Coupling**
- **Nencki Reaction**
- **Nenitzescu (see Darzens-Nenitzescu Synthesis of Ketones)**
- **Nenitzescu Indole Synthesis**
- **Nenitzescu Reductive Acylation**
- **Nicholas Reaction**
- **Niementowski Quinazoline Synthesis**
- **Niementowski Quinoline Synthesis**
- **Nierenstein Reaction**
- **Nitroaldol Reaction**
- **Nitrosamine Rearrangement**
- **Norrish Type Cleavage**

- **Noyori Hydrogenation**
- **Nozaki-Hiyama-Kishi Reaction**
- **Nozaki-Hiyama Coupling Reaction**
- **Oesterlin (see Knoop-Oesterlin Amino Acid Synthesis)**
- **Olefination**
- **Olefin Metathesis**
- **Oppenauer Oxidation**
- **Overman Rearrangement**
- **Oxo Synthesis**
- **Oxo Process**
- **Oxy-Cope Rearrangement**
- **Oyamada (see Algar-Flynn-Oyamada Reaction)**
- **Ozonolysis**
- **Paal-Knorr Pyrrole Synthesis**
- **Parham Cyclization**
- **Passerini Reaction**
- **Paterno-Büchi Reaction**
- **Pauson-Khand Reaction**
- **Payne Rearrangement**
- **Pechmann Condensation**
- **Pechmann Pyrazole Synthesis**
- **Pellizzari Reaction**
- **Pelouze Synthesis**
- **Periodic Acid Oxidation**
- **Perkin Alicyclic Synthesis**
- **Perkin Reaction**
- **Perkin Rearrangement**
- **Perkow Reaction**
- **Peterson Reaction**
- **Petrenko-Kritschenko Piperidone Synthesis**
- **Pfau-Plattner Azulene Synthesis**
- **Pfitzinger Reaction**
- **Pfitzner-Moffatt Oxidation**
- **Phthalimidoacetic Ester -> Isoquinoline Rearrangement**
- **Pictet-Gams Isoquinoline Synthesis**
- **Pictet-Hubert Reaction**
- **Pictet-Spengler Isoquinoline Synthesis**
- **Piloty-Robinson Synthesis**
- **Pinacol Coupling Reaction**
- **Pinacol Rearrangement**
- **Pinner Reaction**
- **Pinner Triazine Synthesis**
- **Piria Reaction**
- **Plattner (see Pfau-Plattner Azulene Synthesis)**
- **Plöchl (see Erlenmeyer-Plöchl Azlactone and Amino Acid Synthesis)**
- **Polonovski Reaction**
- **Pomeranz-Fritsch Reaction**
- **Ponndorf (see Meerwein-Ponndorf-Verley Reduction)**
- **Ponzio Reaction**
- **Potier-Polonovski Reaction**

- **Prévost Reaction**
- **Prilezhaev (Prileschajew) Reaction**
- **Prins Reaction**
- **Pschorr Reaction**
- **Pummerer Rearrangement**
- **Purdie Methylation**
- **Pyridine Synthesis**
- **Quelet Reaction**
- **Raecke Process**
- **Ramberg-Bäcklund Reaction**
- **Raschig Phenol Process**
- **Reed Reaction**
- **Reformatsky (Reformatskii) Reaction**
- **Reimer-Tiemann Reaction**
- **Reissert Indole Synthesis**
- **Reissert Reaction**
- **Reppe Chemistry**
- **Retro-Diels-Alder Reaction**
- **Retropinacol Rearrangement**
- **Reverdin Reaction**
- **Riehm Quinoline Synthesis**
- **Riemschneider Thiocarbamate Synthesis**
- **Riley Oxidations**
- **Ritter Reaction**
- **Robinson (see Allan-Robinson Reaction)**
- **Robinson (see Piloty-Robinson Synthesis)**
- **Robinson Annulation**
- **Robinson-Schöpf Reaction**
- **Rosenmund Reduction**
- **Rosenmund-von Braun Synthesis**
- **Rothemund Reaction**
- **Rubottom Oxidation**
- **Ruff-Fenton Degradation**
- **Rupe Rearrangement**
- **Ruzicka Large Ring Synthesis**
- **Sabatier-Senderens Reduction**
- **Sachs (see Ehrlich-Sachs Reaction)**
- **Saegusa Oxidation**
- **Sakurai Reaction**
- **Sand (see Hofmann-Sand Reactions)**
- **Sandmeyer Diphenylurea Isatin Synthesis**
- **Sandmeyer Isonitrosoacetanilide Isatin Synthesis**
- **Sandmeyer Reaction**
- **Sarett Oxidation**
- **Scheller Modification**
- **Schiemann Reaction**
- **Schiemann (see Balz-Schiemann Reaction)**
- **Schlittler-Müller Modification**
- **Schlotterbeck (see Buchner-Curtius-Schlotterbeck Reaction)**
- **Schmidt (see Bohn-Schmidt Reaction)**

- **Schmidt** (see **Claisen-Schmidt Condensation**)
- **Schmidt Reaction**
- **Schmitt** (see **Kolbe-Schmitt Reaction**)
- **Scholl Reaction**
- **Schöllkopf Bis-Lactim Amino Acid Synthesis**
- **Schöpf** (see **Robinson-Schöpf Reaction**)
- **Schotten-Baumann Reaction**
- **Schuster** (see **Meyer-Schuster Rearrangement**)
- **Selenium Dioxide Oxidation**
- **Semidine Rearrangement**
- **Semmler-Wolff Reaction**
- **Senderens** (see **Sabatier-Senderens Reduction**)
- **Serini Reaction**
- **Shapiro Reaction**
- **Sharpless Dihydroxylation**
- **Sharpless Epoxidation**
- **Sharpless Oxyamination**
- **Shibata** (see **Corey-Bakshi-Shibata Reduction**)
- **Shi Epoxidation**
- **Simmons-Smith Reaction**
- **Simonini Reaction**
- **Simonis Chromone Cyclization**
- **Sims** (see **Boyland-Sims Oxidation**)
- **Skraup Reaction**
- **Smiles Rearrangement**
- **Smith** (see **Simmons-Smith Reaction**)
- **Sommelet-Hauser Rearrangement**
- **Sommelet Reaction**
- **Sonn-Müller Method**
- **Sonogashira-Hagihara Coupling**
- **Sonogashira Coupling**
- **Speier** (see **Fischer-Speier Esterification Method**)
- **Spengler** (see **Pictet-Spengler Isoquinoline Synthesis**)
- **SPPS**
- **Staudinger Reaction**
- **Stephen Aldehyde Synthesis**
- **Stephens-Castro Coupling**
- **Stevens** (see **Bamford-Stevens Reaction**)
- **Stevens** (see **McFadyen-Stevens Reaction**)
- **Stevens Rearrangement**
- **Stieglitz Rearrangement**
- **Stille Coupling**
- **Stobbe Condensation**
- **Stoermer** (see **Widman-Stoermer Synthesis**)
- **Stollé Synthesis**
- **Stork** (see **Ueno-Stork Cyclization**)
- **Stork Enamine Reaction**
- **Strecker Amino Acid Synthesis**
- **Strecker Degradation**
- **Strecker Sulfite Alkylation**

- **Suarez Fragmentation**
- **Suarez Reaction**
- **Sugasawa Reaction**
- **Suhl (see Zincke-Suhl Reaction)**
- **Sulfide Contraction**
- **Suzuki-Miyaura Cross-Coupling**
- **Suzuki Coupling**
- **Swarts Reaction**
- **Swern (see Moffatt-Swern Oxidation)**
- **Swern Oxidation**
- **Synthol Process**
- **Tafel Rearrangement**
- **Tanabe (see Eschenmoser-Tanabe Fragmentation)**
- **Tanasescu (see Lehmstedt-Tanasescu Reaction)**
- **Tebbe Olefination**
- **Thiele-Winter Acetoxylation**
- **Thiele Reaction**
- **Thorpe (see Guareschi-Thorpe Condensation)**
- **Thorpe-Ziegler Method**
- **Thorpe Reaction**
- **Tiemann (see Reimer-Tiemann Reaction)**
- **Tiemann Rearrangement**
- **Tiffeneau-Demjanov Rearrangement**
- **Tishchenko Reaction**
- **Traube Purine Synthesis**
- **Tropsch (see Fischer-Tropsch Syntheses)**
- **Trost Allylation**
- **Trost Desymmetrization**
- **Truce-Smiles Rearrangement**
- **Tscherniac-Einhorn Reaction**
- **Tschugaeff Olefin Synthesis**
- **Tsuji-Trost Reaction**
- **Twitchell Process**
- **Ueno-Stork Cyclization**
- **Ugi Reaction**
- **Ullmann (see Graebe-Ullmann Synthesis)**
- **Ullmann (see Jourdan-Ullmann-Goldberg Synthesis)**
- **Ullmann Reaction**
- **Ultee Cyanohydrin Method**
- **Urech Cyanohydrin Method**
- **Urech Hydantoin Synthesis**
- **van Dorp (see Arens-van Dorp Synthesis)**
- **van Ekenstein (see Lobry de Bruyn-van Ekenstein Transformation)**
- **Venkataraman (see Baker-Venkataraman Rearrangement)**
- **Verley (see Meerwein-Ponndorf-Verley Reduction)**
- **Victor Meyer Synthesis**
- **Villiger (see Baeyer-Villiger Reaction)**
- **Vilsmeier-Haack Reaction**
- **Voight Amination**
- **Volhard (see Hell-Volhard-Zelinsky Reaction)**

- **Volhard-Erdmann Cyclization**
- **von Braun** (see **Rosenmund-von Braun Synthesis**)
- **von Braun Amide Degradation**
- **von Braun Reaction**
- **von Richter (Cinnoline) Synthesis**
- **von Richter Rearrangement**
- **Vorbrüggen Glycosylation**
- **Wacker Oxidation**
- **Wadsworth** (see **Horner-Wadsworth-Emmons Reaction**)
- **Wagner-Jauregg Reaction**
- **Wagner-Meerwein Rearrangement**
- **Walden Inversion**
- **Walker** (see **Crum Brown-Walker Reaction**)
- **Wallach** (see **Leuckart-Wallach Reaction**)
- **Wallach Degradation**
- **Wallach Rearrangement**
- **Walls** (see **Morgan-Walls Reaction**)
- **Weerman Degradation**
- **Weiss Reaction**
- **Wessely-Moser Rearrangement**
- **West** (see **Dakin-West Reaction**)
- **Westphalen-Lettré Rearrangement**
- **Wharton Reaction**
- **Whiting Reaction**
- **Wichterle Reaction**
- **Widman-Stoermer Synthesis**
- **Wiechell** (see **Fritsch-Buttenberg-Wiechell Rearrangement**)
- **Wieland** (see **Barbier-Wieland Degradation**)
- **Willgerodt-Kindler Reaction**
- **Williamson Synthesis**
- **Winter** (see **Corey-Winter Olefin Synthesis**)
- **Winter** (see **Thiele-Winter Acetoxylation**)
- **Winterstein** (see **Kuhn-Winterstein Reaction**)
- **Witt and Knoevenagel Diazotization Methods**
- **Wittig Reaction**
- **[1,2]-Wittig Rearrangement**
- **[2,3]-Wittig Rearrangement**
- **Wohl Degradation**
- **Wohl-Ziegler Reaction**
- **Wolff** (see **Semmler-Wolff Reaction**)
- **Wolff Aromatization**
- **Wolff-Kishner Reduction**
- **Wolff Rearrangement**
- **Wolff-Semmler Aromatization**
- **Wolffenstein-Böters Reaction**
- **Woodward cis-Hydroxylation**
- **Wormall** (see **Dutt-Wormall Reaction**)
- **Wurtz-Fittig Reaction**
- **Wurtz Reaction**
- **Zard** (see **Barton-Zard Reaction**)

- **Zelinsky** (see Hell-Volhard-Zelinsky Reaction)
- **Zemplén Modification**
- **Zervas** (see Bergmann-Zervas Carbobenzoxy Method)
- **Ziegler** (see Wohl-Ziegler Reaction)
- **Ziegler Method**
- **Ziegler-Natta Polymerization**
- **Zimmermann Reaction**
- **Zincke Disulfide Cleavage**
- **Zincke Nitration**
- **Zincke-Suhl Reaction**