

Structure Motifs and Associated Name Reactions

Bonds and Atoms highlighted in color refer to the corresponding keying-element
(this list is only meant as a guideline, alternate reactions may lead to identical structures)

<u>Structure:</u>	<u>Name Reaction:</u>	<u>Structure:</u>	<u>Name Reaction:</u>
	Paal-Knorr Pyrrole Synthesis		Robinson Annulation (6-membered ring), Saegusa (also acycles possible)
	Paterno-Büchi Reaction		Schwartz Hydrozirconation/ Halogenation
	Pictet-Spengler Reaction X,Y may also be Heteroatoms		Sonogashira-Hagihara Coupling
	Pinacol Rearrangement		Staudinger Ketene Cycloaddition X = C or heteroatoms
	Pinner Reaction		Strecker Reaction
	Prévost Reaction, Osmylation/Hydrolysis, Epoxide Hydrolysis, Sharpless Dihydroxylation (stereoselective formation also known)		Tsuji-Trost Allylation
	Prins Reaction		Ullmann Biaryl ether/amine Coupling (X = NH or O)
	Pummerer Reaction		Ullmann Coupling
	Riley Seleniumdioxide Oxidation		Vinylcyclopropane Rearrangement
			Williamson's Ether Synthesis
			Wittig-[2,3]-Rearrangement
			Wohl-Ziegler Allylic Bromination (NBS mediated Bromination)