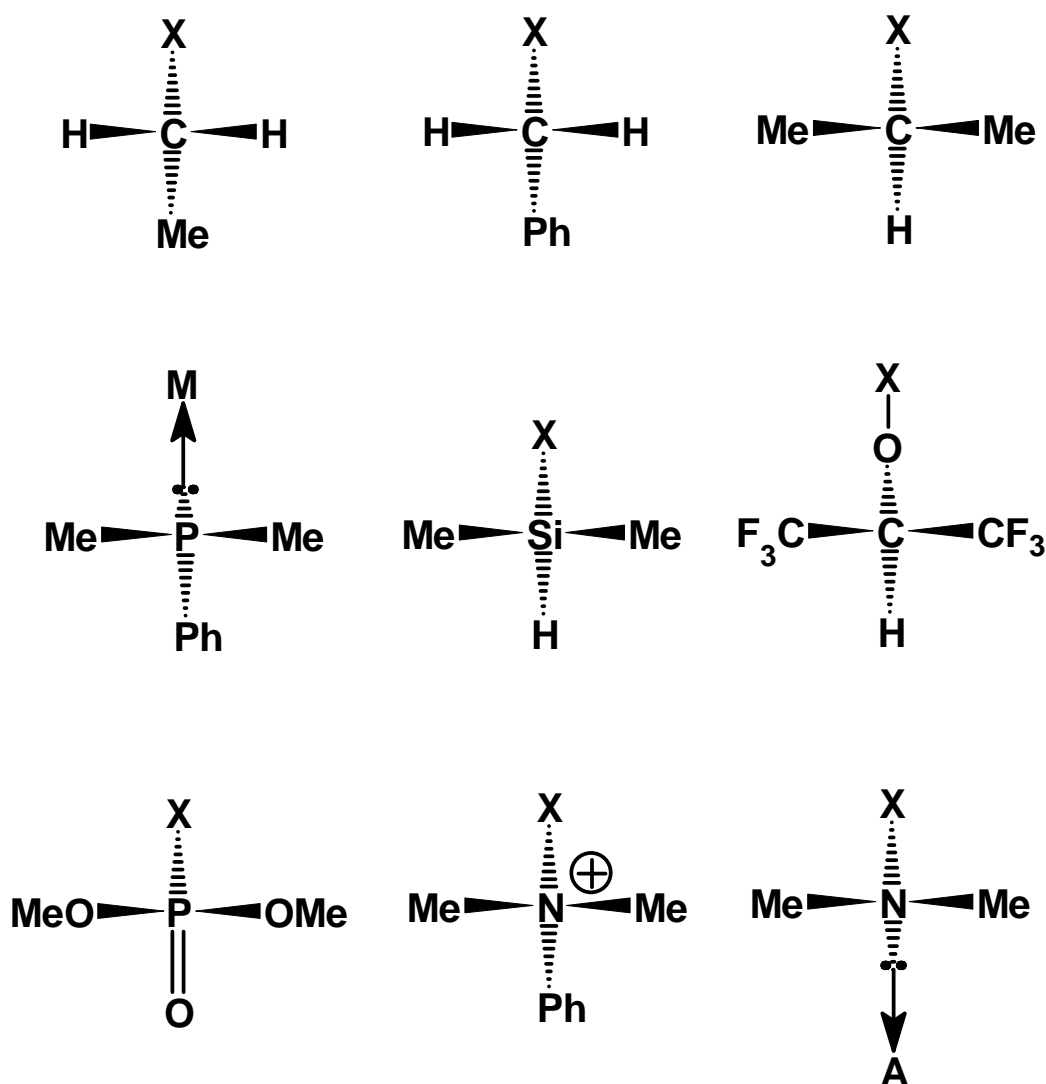


Chemical Shift Nonequivalence in Prochiral Groups

Geminal groups – paired ligands

Y-E-Y: CH_2 , $\text{C}(\text{CH}_3)_2$, CF_2 , SiMe_2 , $\text{P}(\text{CH}_3)_2$, ...

Prochiral groups:

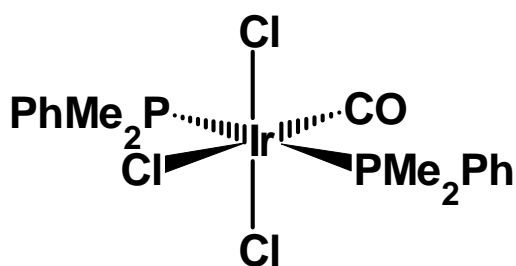
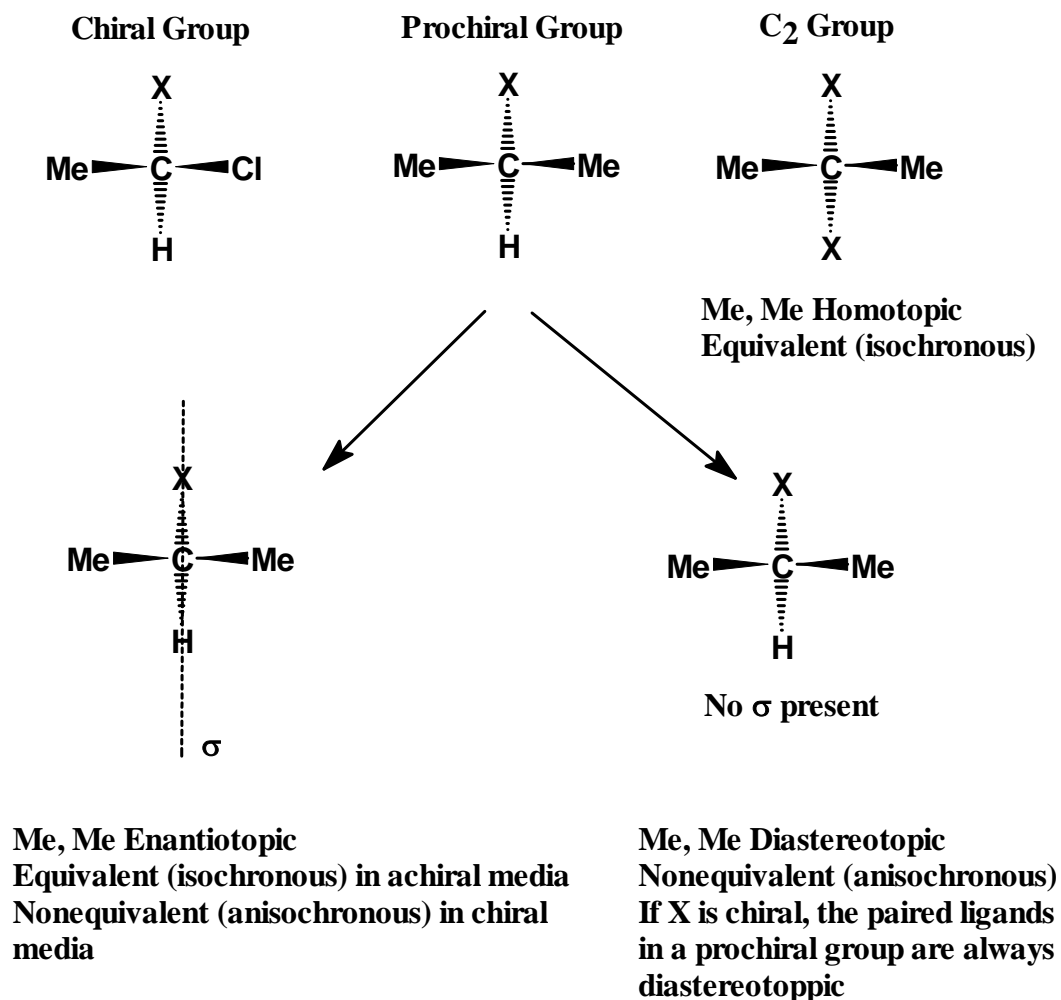


X = rest of the molecule

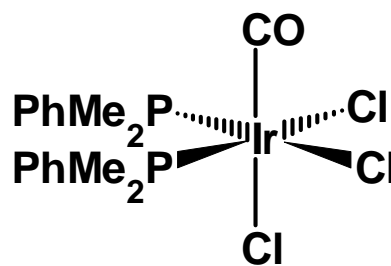
M = transition metal fragment

A = Lewis acid

Chemical Shift Nonequivalence of Geminal Ligands in Prochiral Groups



mer-Cl, trans-P



fac-Cl, cis-P