

Organometallics Chemistry

(CHEM-753)

Online Lectures (OrganoMg)

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Activation of Mg Metal

Corroded Mg ribbons (Core of Mg, coat of Mg₂O)



Acidic & Wet Mg Metal

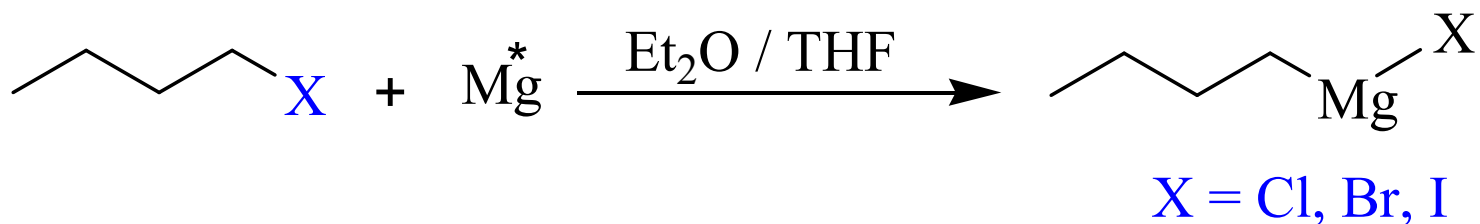
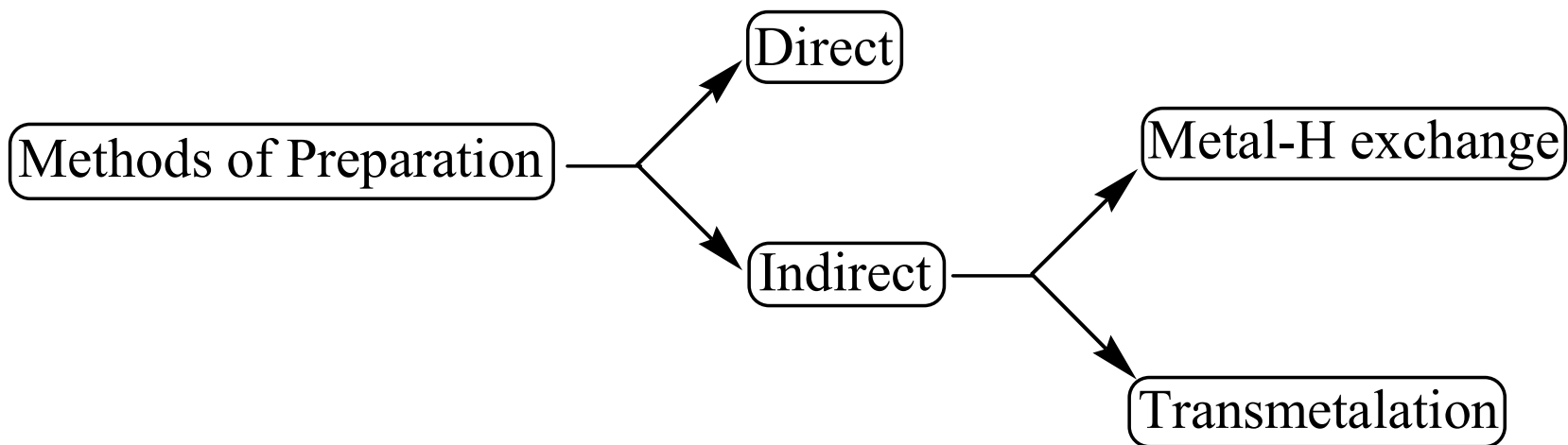


Wet Mg Metal

- 1) Me_2CO
- 2) Et_2O

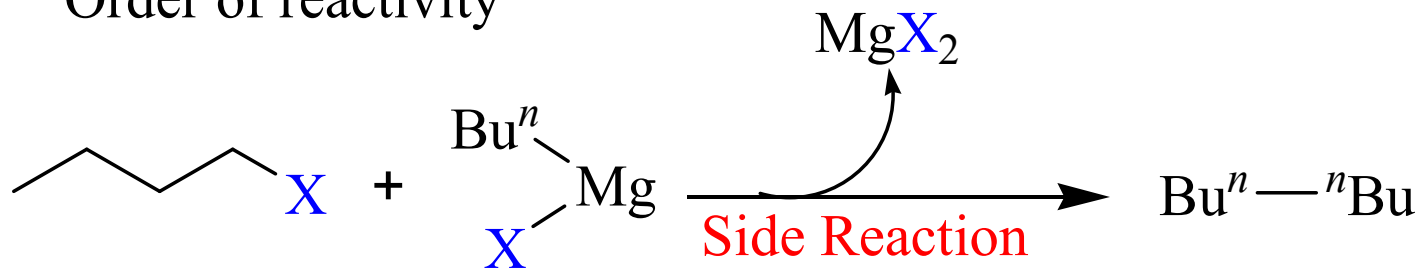
Pure Mg

Methods of Preparation of Mg

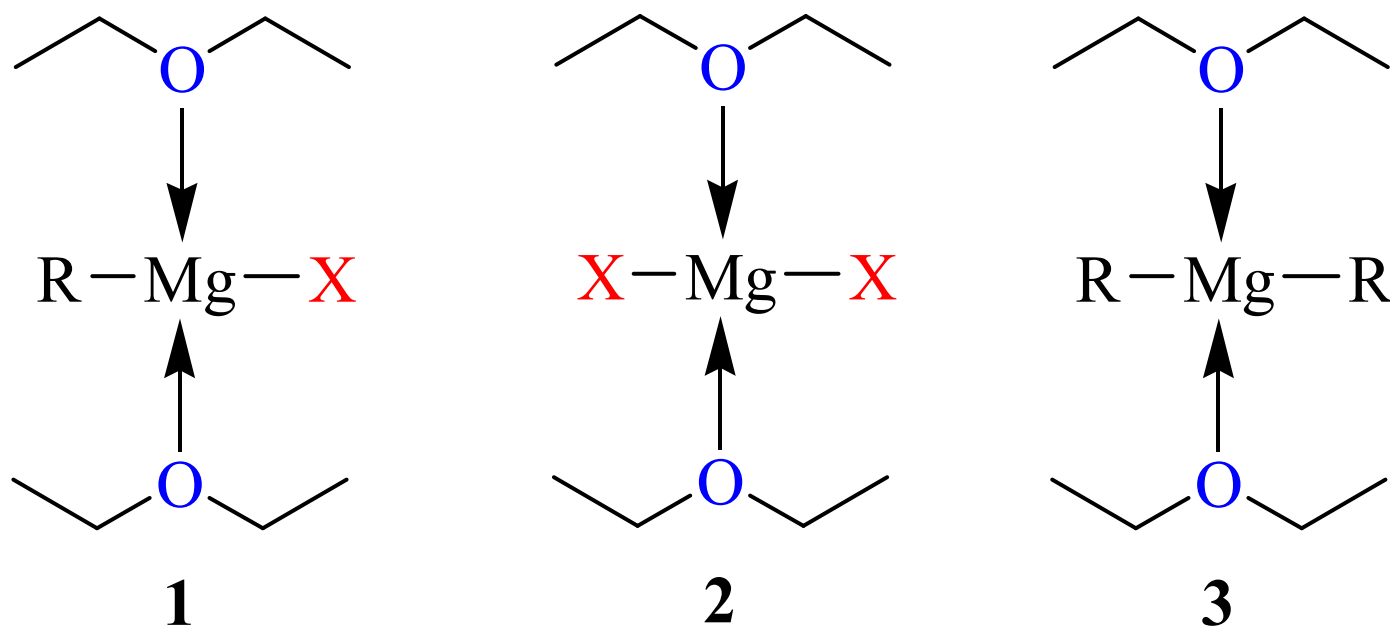
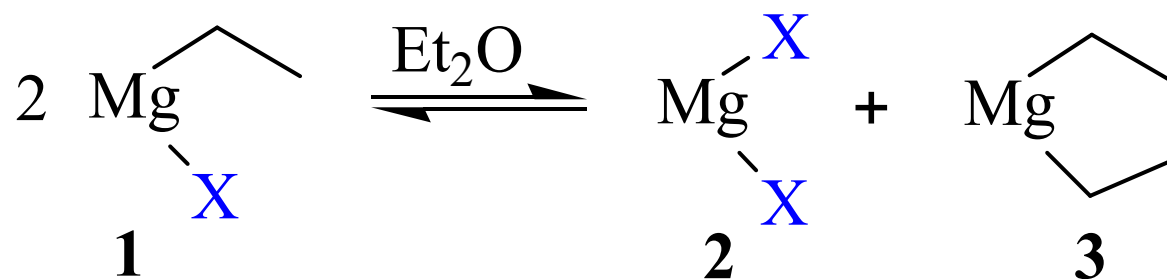


F Cl Br I

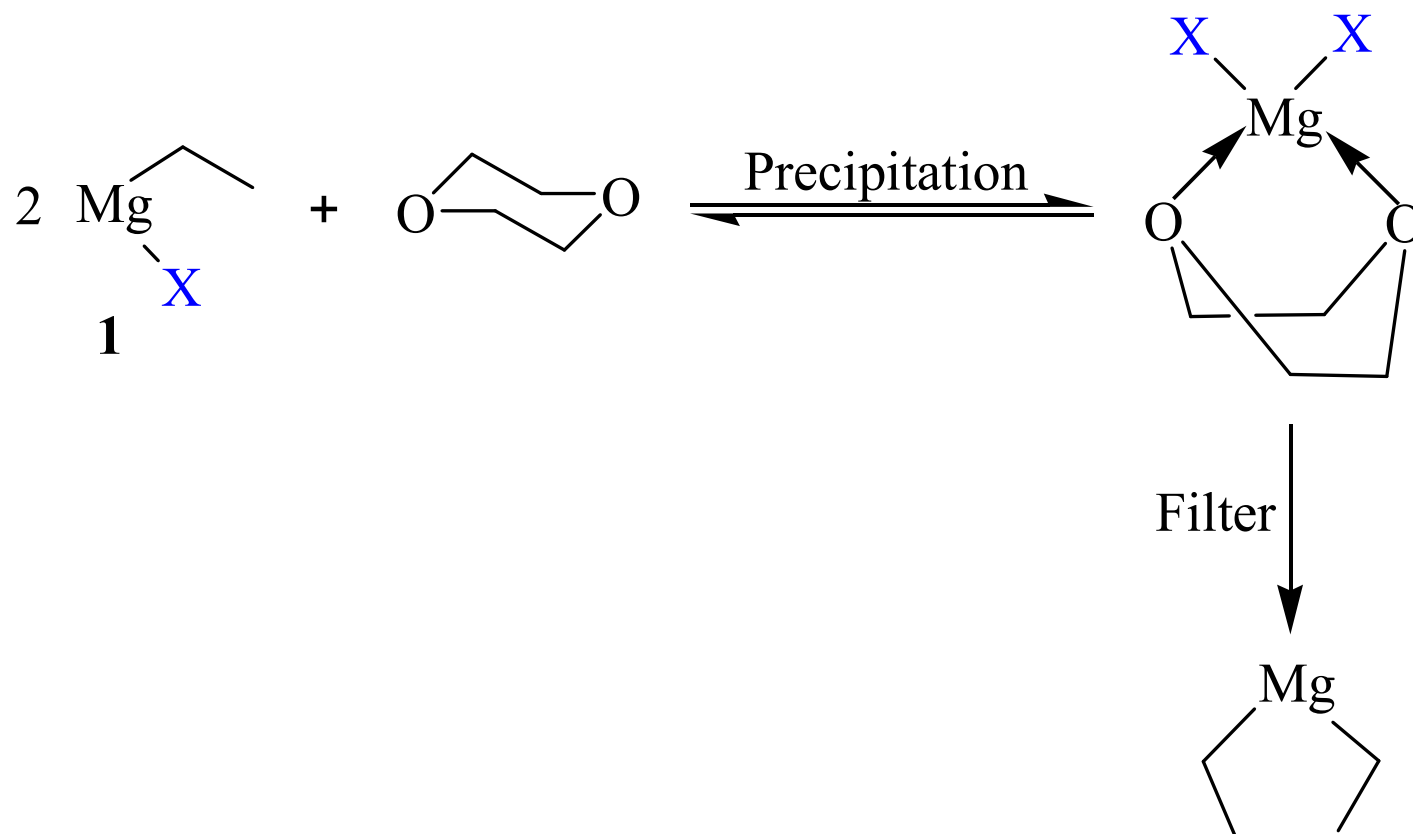
Order of reactivity \rightarrow



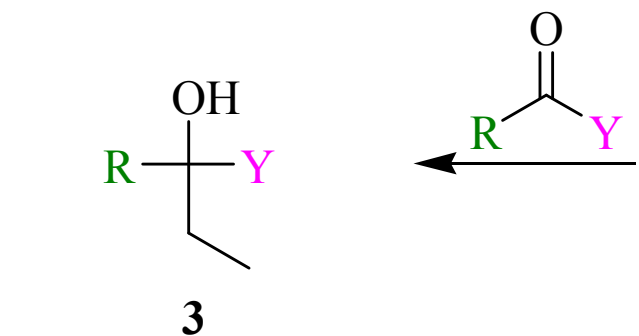
Schlenk Equilibrium



Schlenk Equilibrium



Synthetic Applications



$\text{R} = \text{Y} = \text{H} \longrightarrow 1^\circ\text{-alcohol}$
 $\text{R} \neq \text{H}, \text{Y} = \text{H} \longrightarrow 2^\circ\text{-alcohol}$
 $\text{R} \neq \text{H}, \text{Y} \neq \text{H} \longrightarrow 3^\circ\text{-alcohol}$

