

Organometallics Chemistry

(CHEM-753)

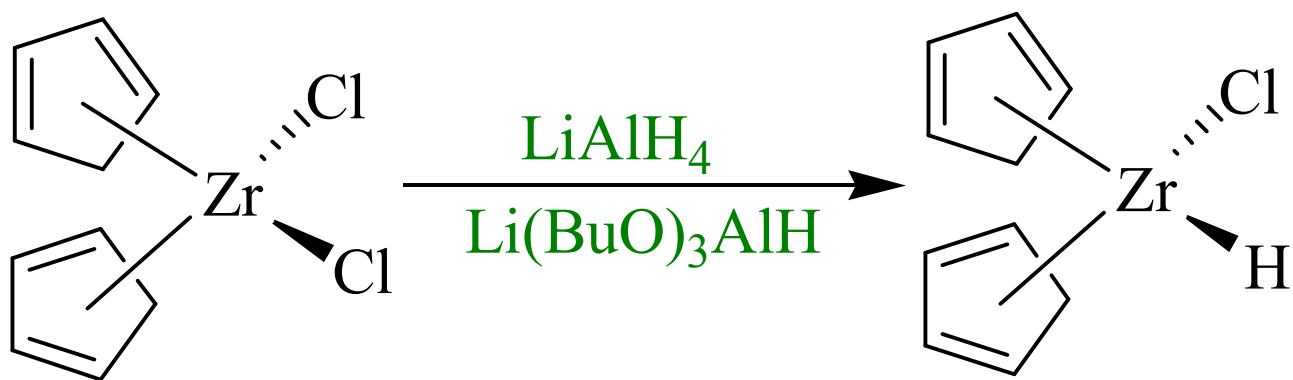
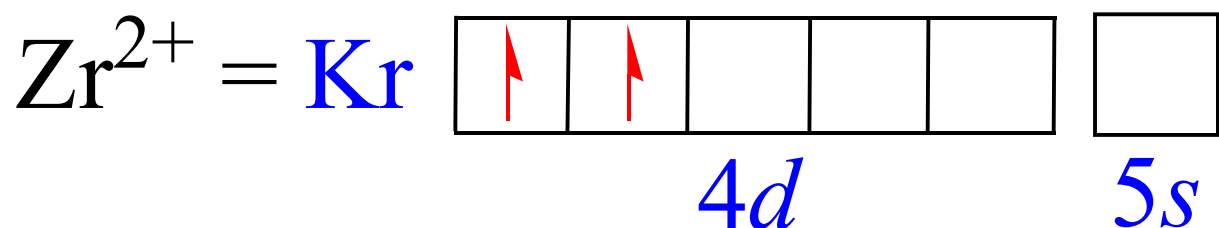
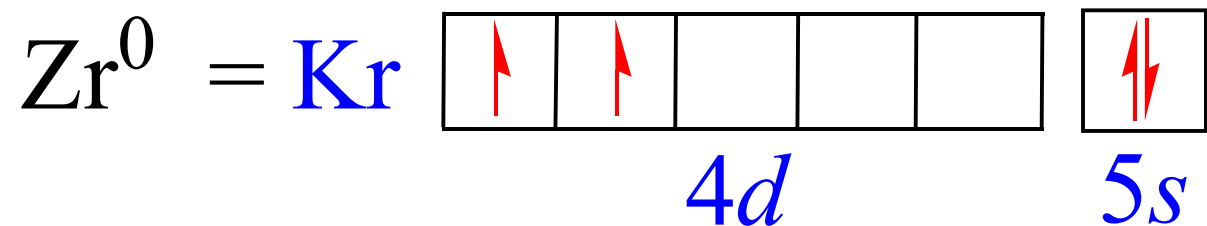
Online Lectures (OrganoZr)

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Periodic Table

<i>s</i> -Block metals												<i>p</i> -Block Elements	
Group-I	Group-II											XIII	XIV
H													
Li	Be	<i>d</i> -Block metals										B	C
Na	Mg	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Al	Si
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb
Fr	Ra												

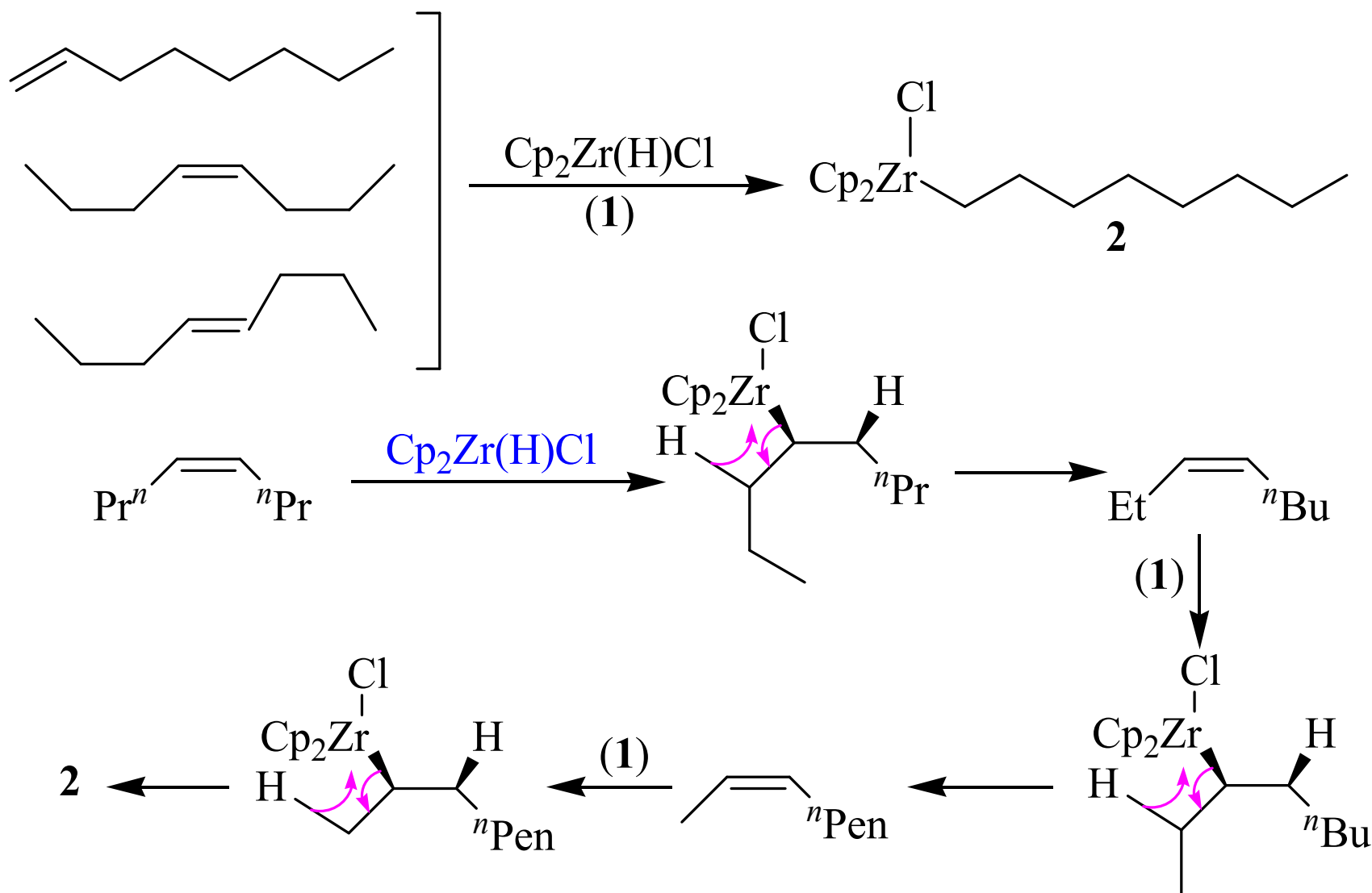
Schwartz's Reagent



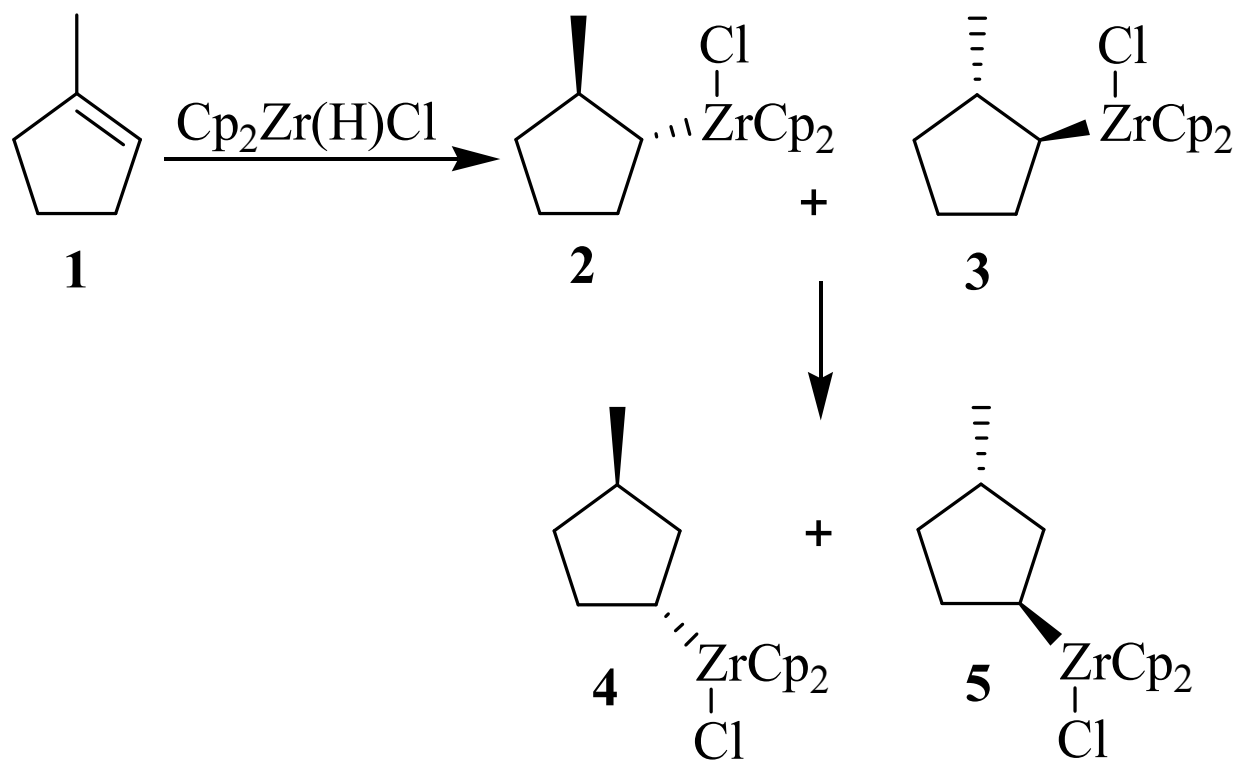
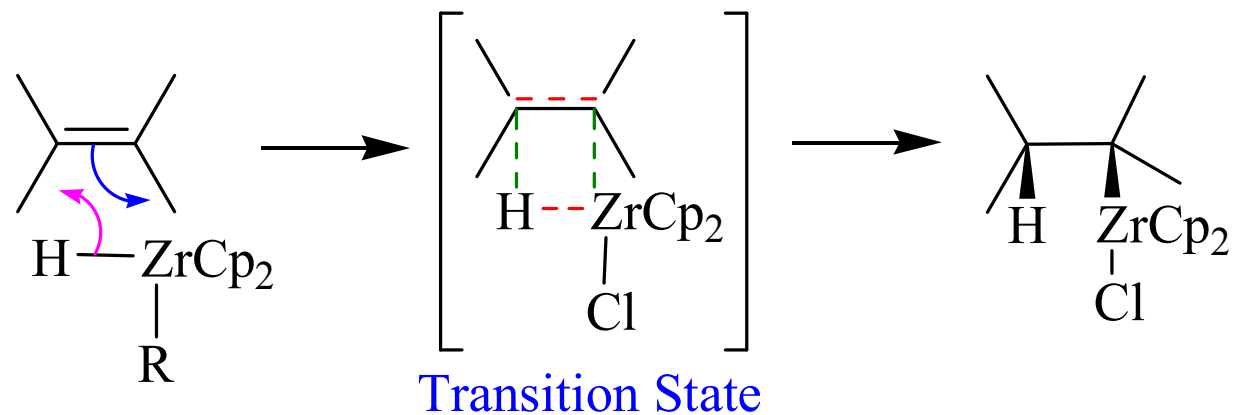
Chloro-*bis*-(cyclopentadienyl)hydrozirconium[II]

$\text{Cp}_2\text{Zr}(\text{H})\text{Cl}$ **Schwartz's Reagent**

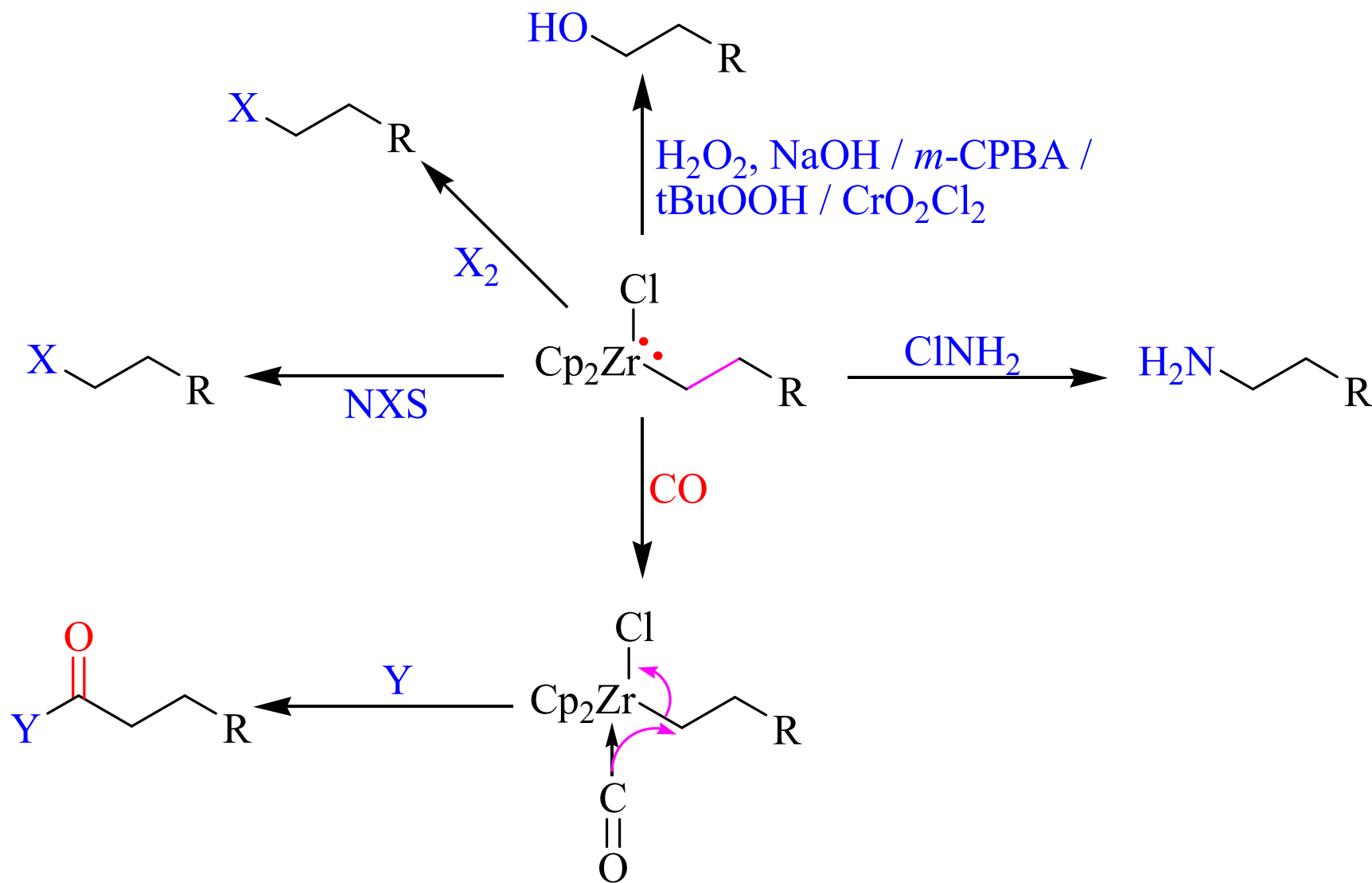
Preparation of OrganoZr



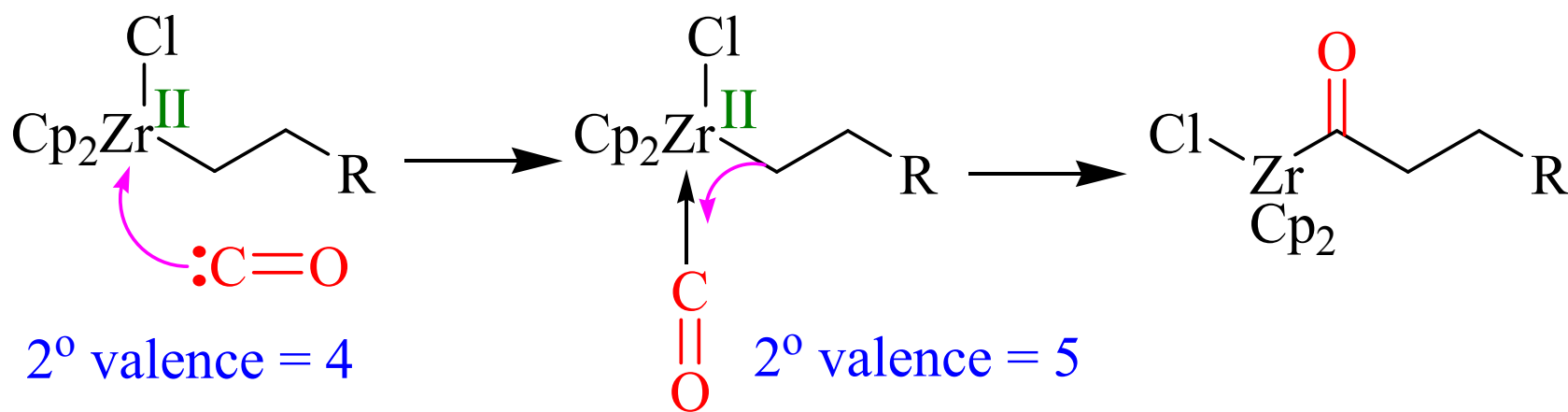
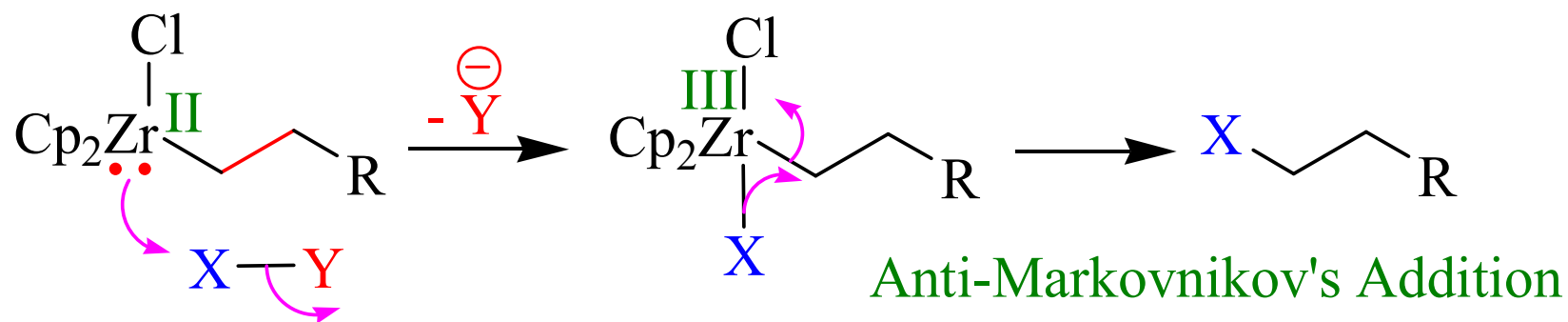
Mechanism of Hydrozirconation



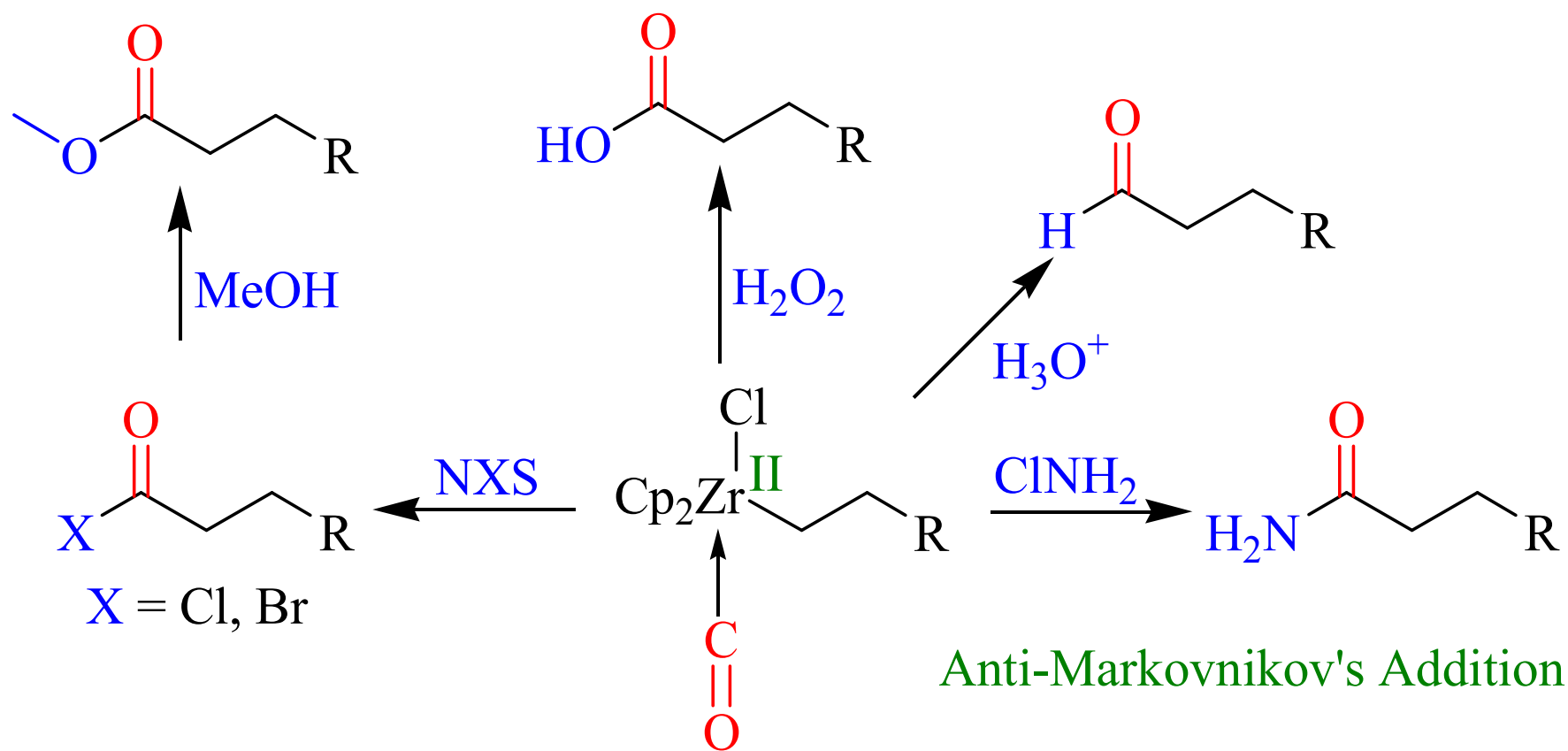
Applications



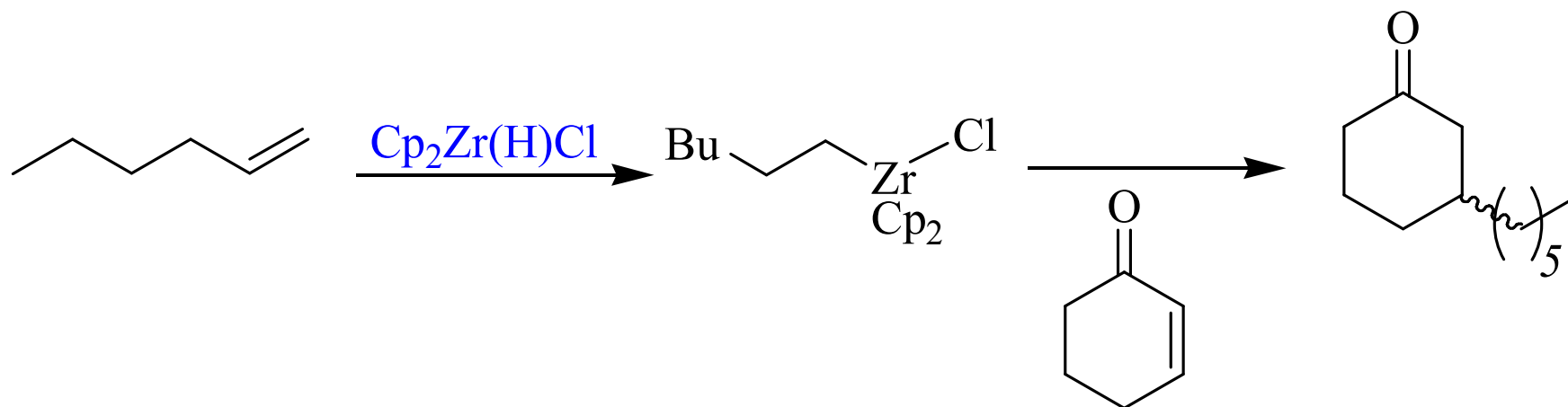
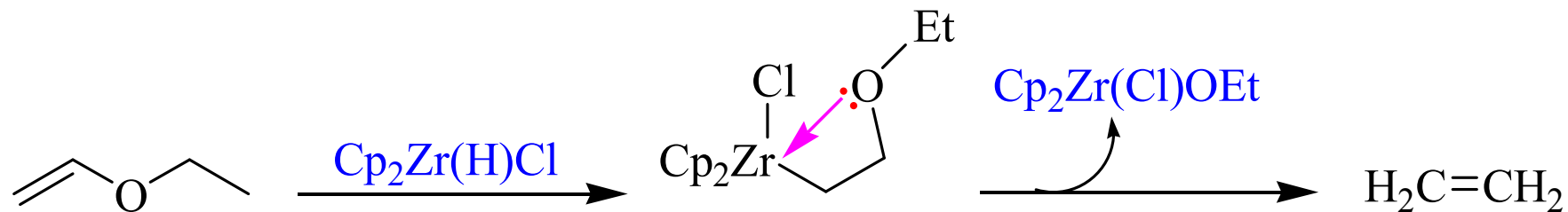
Mechanism



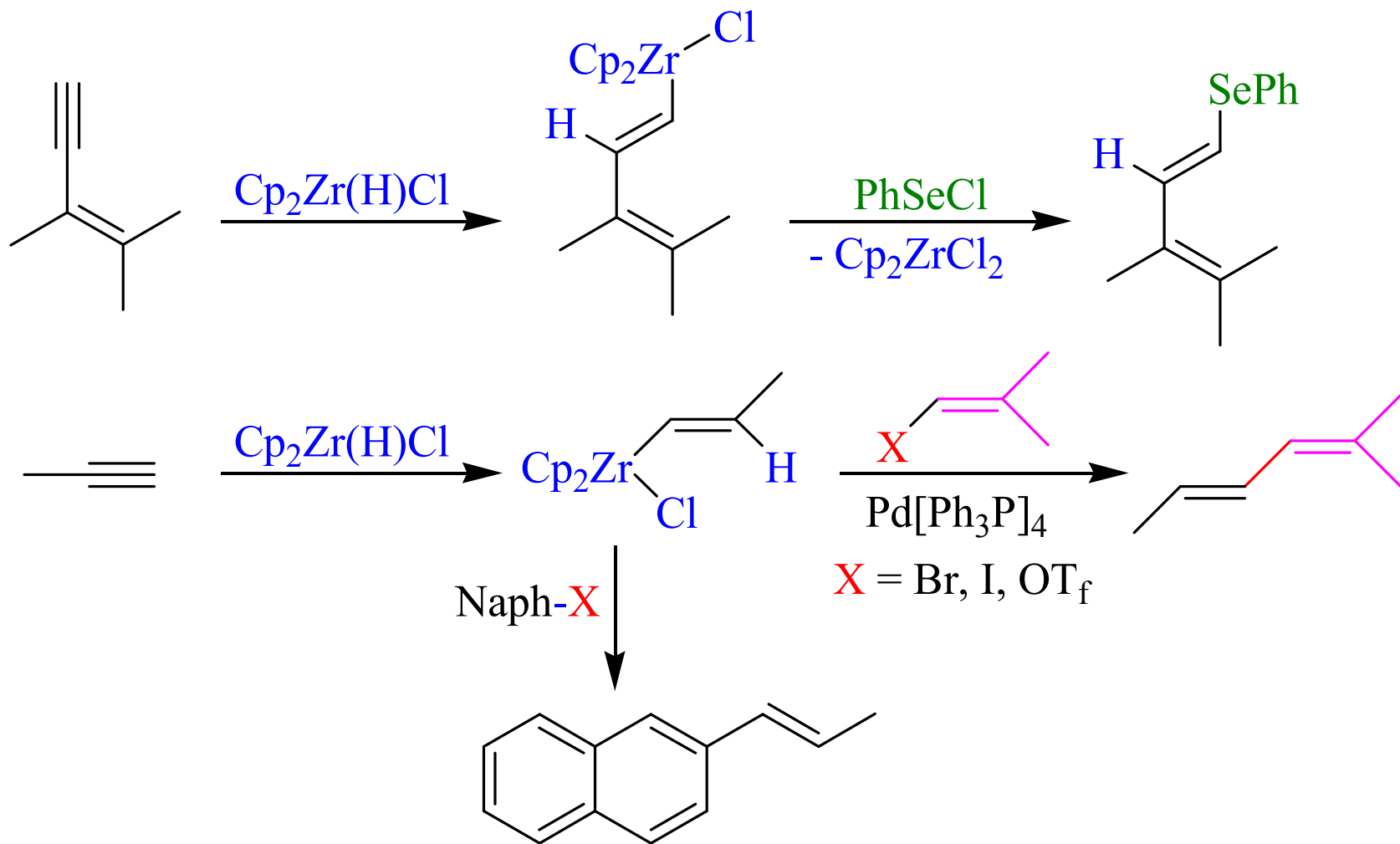
Applications



Applications



Transmetalation



Transmetalation

