CH-335 / V- C-S disconnection par couplages croisés

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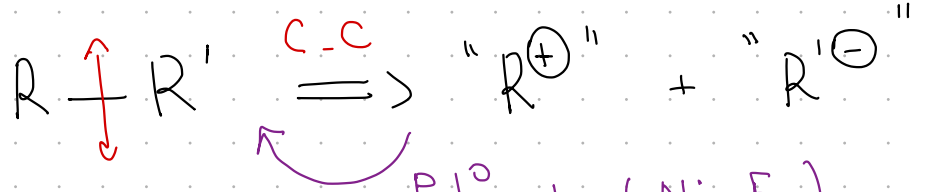
2025

I - Introduction



R, R' = aryl, alcényl, alcynyl

"$R^{\oplus}$" : R-X X = I, Br, OTf
X = Cl, OTs
X = H

réactivité ↑

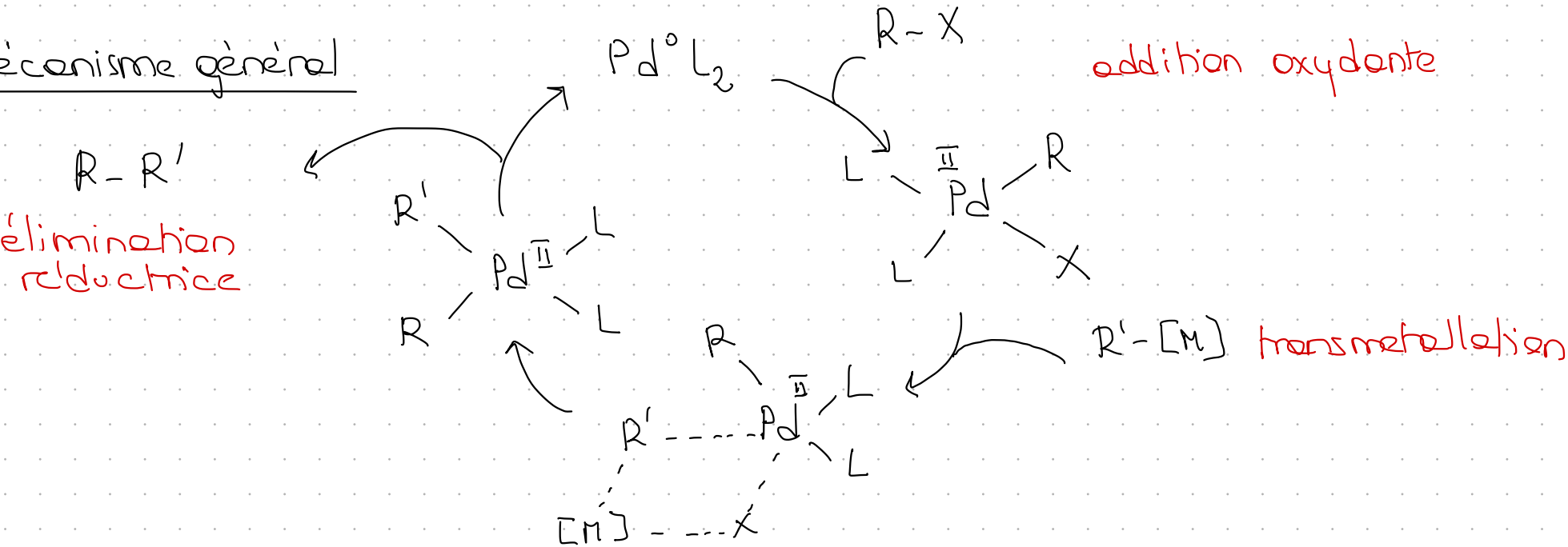
"$R'^{\ominus}$" : R'-[M] [M] = . $B(OH)_2$ Suzuki
. $SnBu_3$ Stille

Catalyseur

$Pd^{II}(OAc)_2$ —(PPh_3 base)→ $Pd^0(PPh_3)_2$ espèce catalytique réactive

$Pd^0(PPh_3)_4$ ——→ $Pd^0(PPh_3)_2$

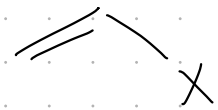
Mécanisme général



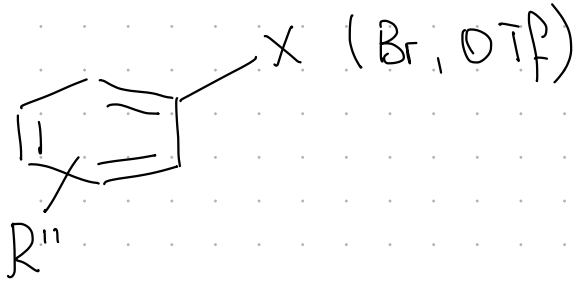
II - Couplages Suzuki / Stille

R'-[M] : R'-B(OH)$_2$ ou R'-SnBu$_3$

R-X :



(Br, I, OTf)



(Br, OTf)