

Note Title

2/15/2005

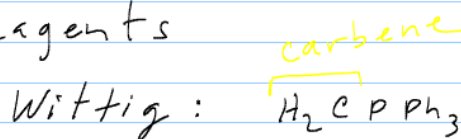
Protosiewicz

"Arsa-Wittig" reagents

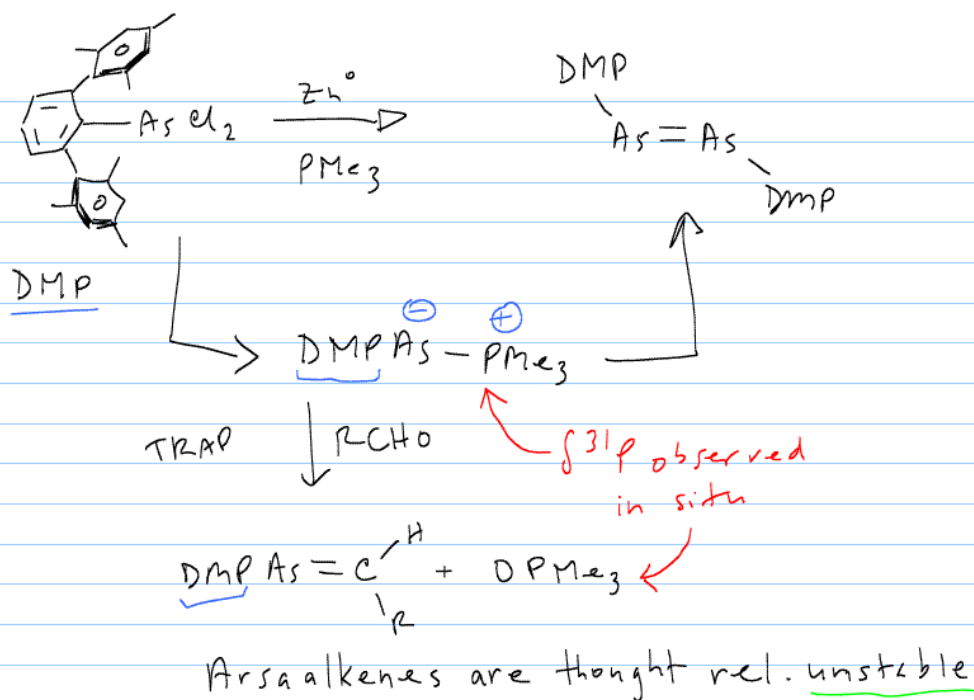
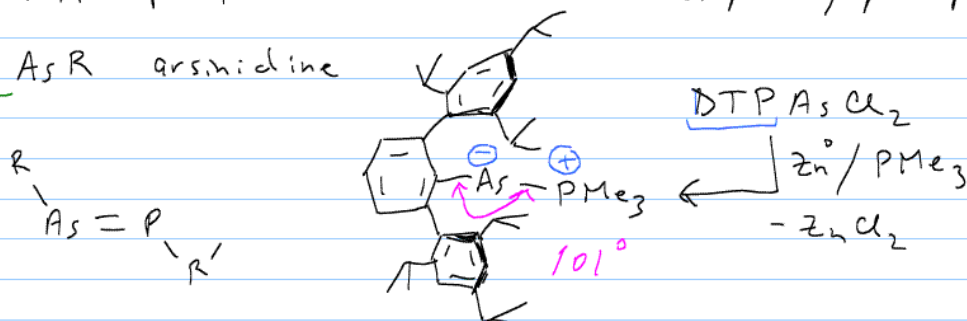
CR_2 carbene

PR phosphinidene

AsR arsinidene

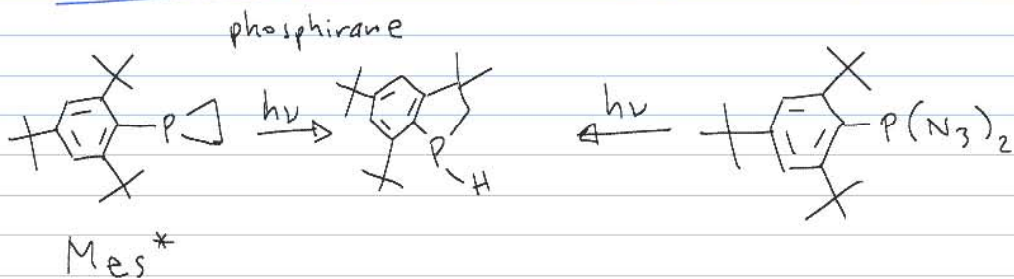
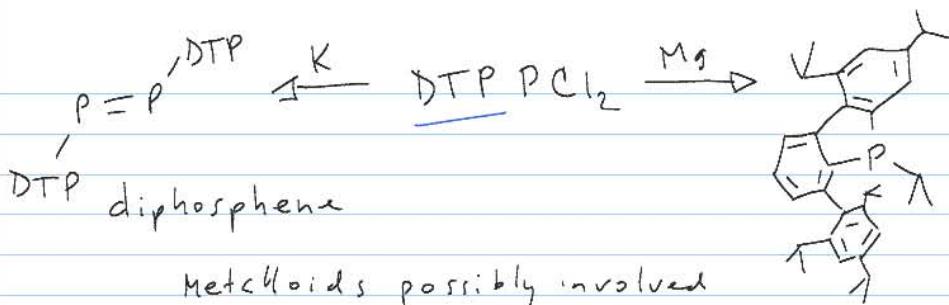
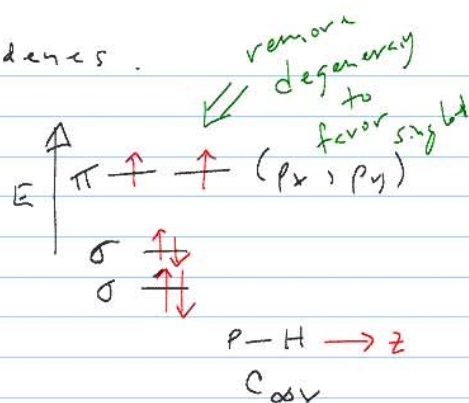
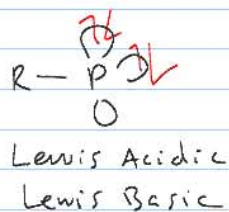


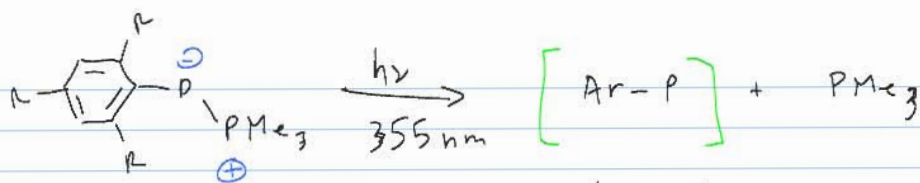
methylene-triphenylphosphorane



"Three Fates" for phosphinidenes.

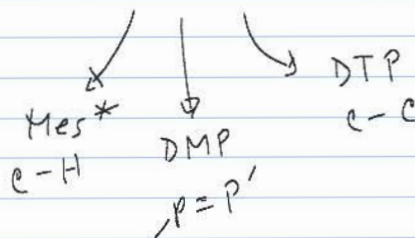
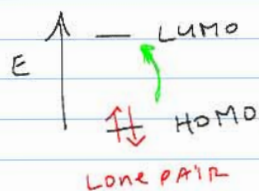
RP / R₂C analogy.
singlet? triplet?





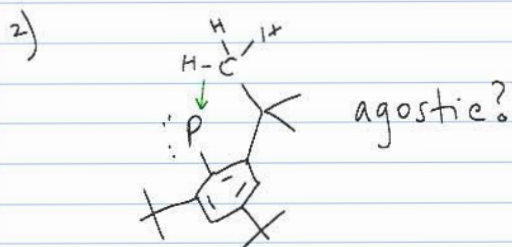
Phospha-Wittig

LUMO P-P σ^*

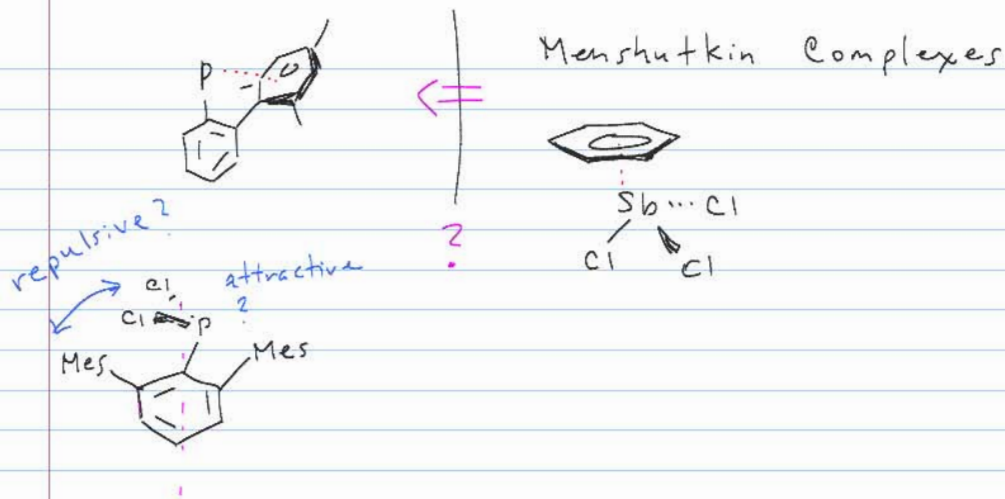


Structure of singlet $\text{Mes}^+ - \text{P}^-$?

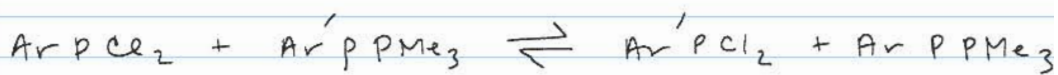
1) π -system donating into empty orbital on P



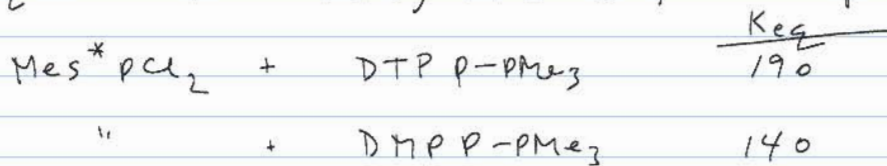
Structure of DMP-P ?



Probe of Steric Pressure :



Equilibrium Monitored by NMR as function of Ar.



Steric pressure associated with branching at P.

