

Mini Project: LIGANDS (not Lizards)

Chemistry 362 due Monday, April 8

1. In your own words, describe the Tolman steric parameter for phosphines. Give a drawing that embodies this concept. Give a drawing that would illustrate the effect of steric encumbrance on bistrisphenylphosphinemolybdenum(0) tetracarbonyl in cis and trans forms.
2. In your own words, describe the Tolman electronic parameter for phosphines. What is the principle on which it is based? Give a drawing that embodies this principle. Give a drawing that would illustrate why the cis isomer of the above complex is favored over the trans..