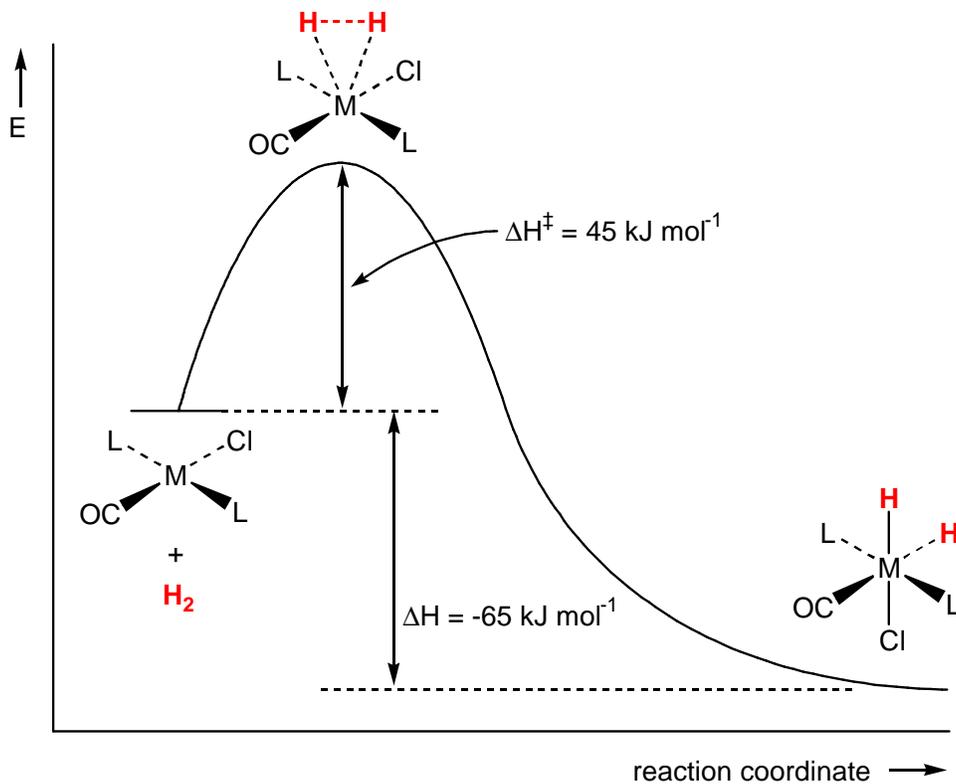
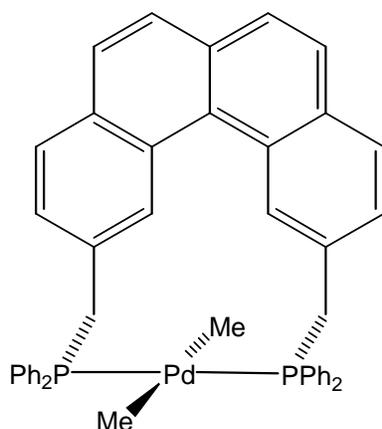


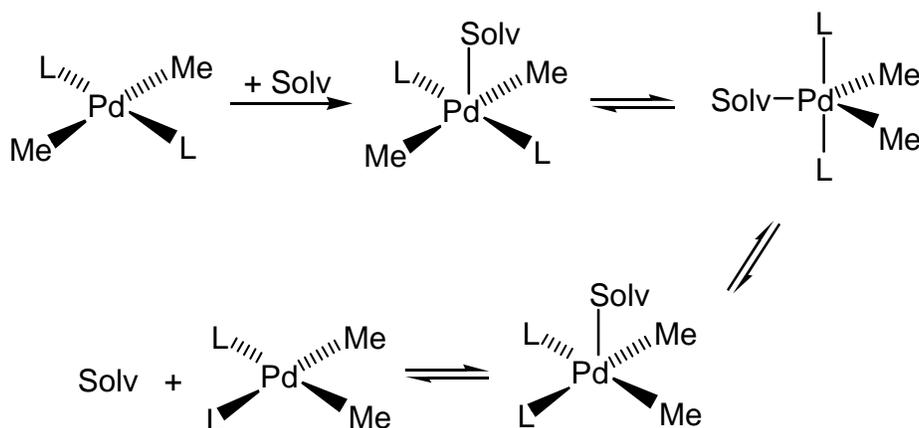
Oxidative addition reactions of Vaska's compound.



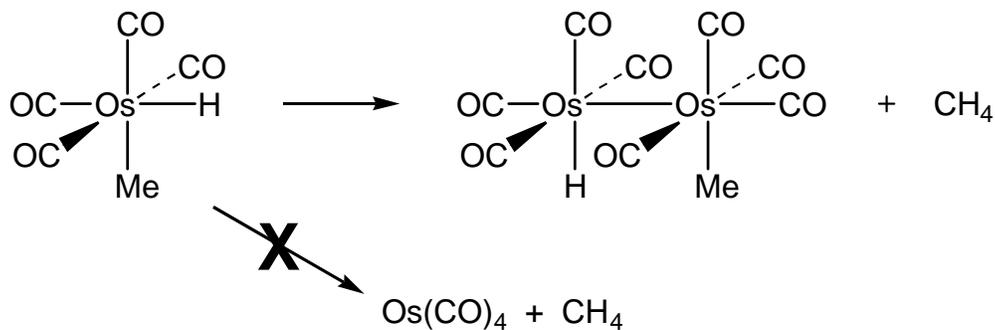
Reaction coordinate-energy diagram for the addition of H₂ to Vaska's compound.



This palladium complex, coordinated by the *TRANS*PHOS ligand, does not undergo **reductive elimination** even at 100°C.



Polar solvents enhance the rate of reductive elimination from *trans* complexes by assisting in the isomerisation process.



Bimolecular reductive elimination from a complex that could plausibly undergo RE in the conventional concerted, 3-centre *cis*-elimination fashion.