Transformation of a Pyrazolidene into a Tetrahydropyrimidinylidene Ligand by Deprotonation/Reprotonation

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Z. Naturforsch. 61b, 1351 – 1354 (2006); received August 8, 2006

In an unusual ring enlargement reaction the heterocyclic ligand in a pentacarbonyl(pyrazolidene) chromium complex is transformed in high yield into the corresponding tetrahydropyrimidinylidene ligands by a deprotonation/protonation (or deprotonation/alkylation) sequence.

Key words: Carbene Complex, Pyrazolidene Complex, Tetrahydropyrimidinylidene Complex, Ring Enlargement