

**Steric and Electronic Effects of Carbene Substitution in Grubbs' First-  
Generation Catalyst**

David R. Lane, Christine M. Beavers, Marilyn M. Olmstead and Neil E. Schore\*

*Department of Chemistry, University of California, Davis, California 95616 USA*

SUPPORTING INFORMATION

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\*Corresponding author. E-mail: schore@chem.ucdavis.edu

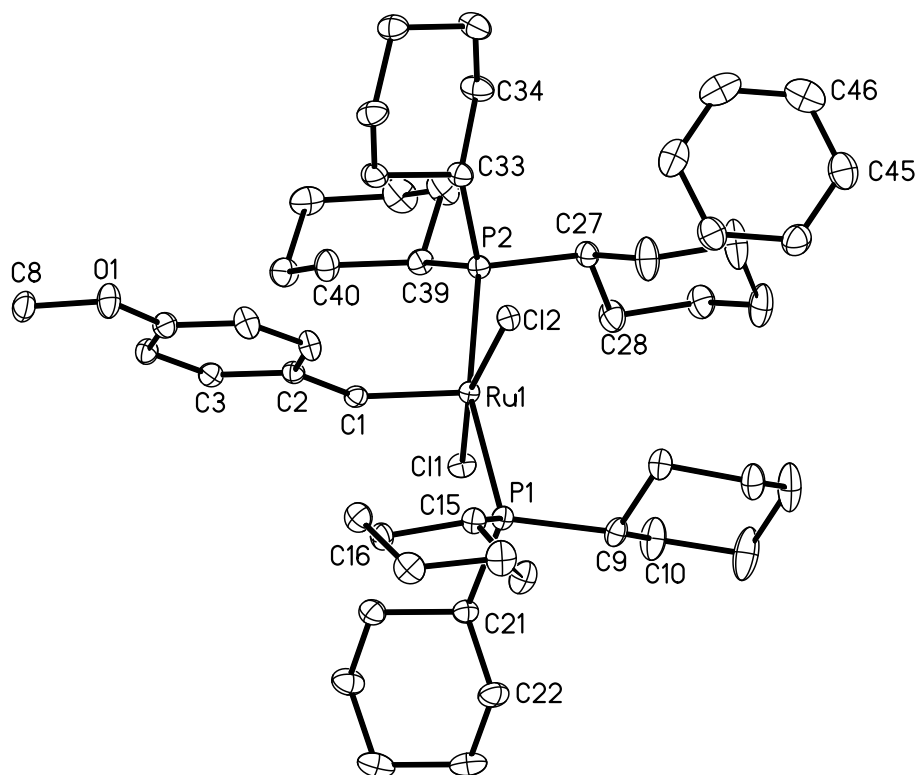


Figure S1. The structure of bis(tricyclohexylphosphino)dichloro-[(4-methoxyphenyl)methylidene]ruthenium(II) benzene solvate. Thermal ellipsoids are shown at the 50% probability level. H atoms are omitted for clarity.

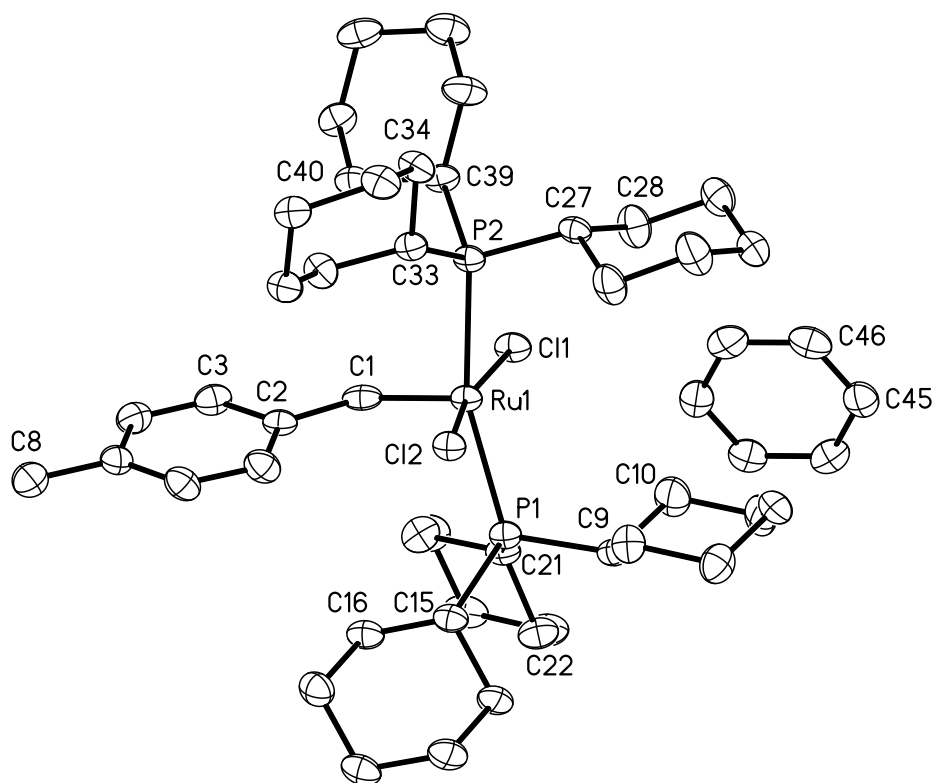


Figure S2. The structure of bis(tricyclohexylphosphino)dichloro-[(4-methylphenyl)methylidene]ruthenium(II) benzene solvate. Thermal ellipsoids are shown at the 50% probability level. H atoms are omitted for clarity.

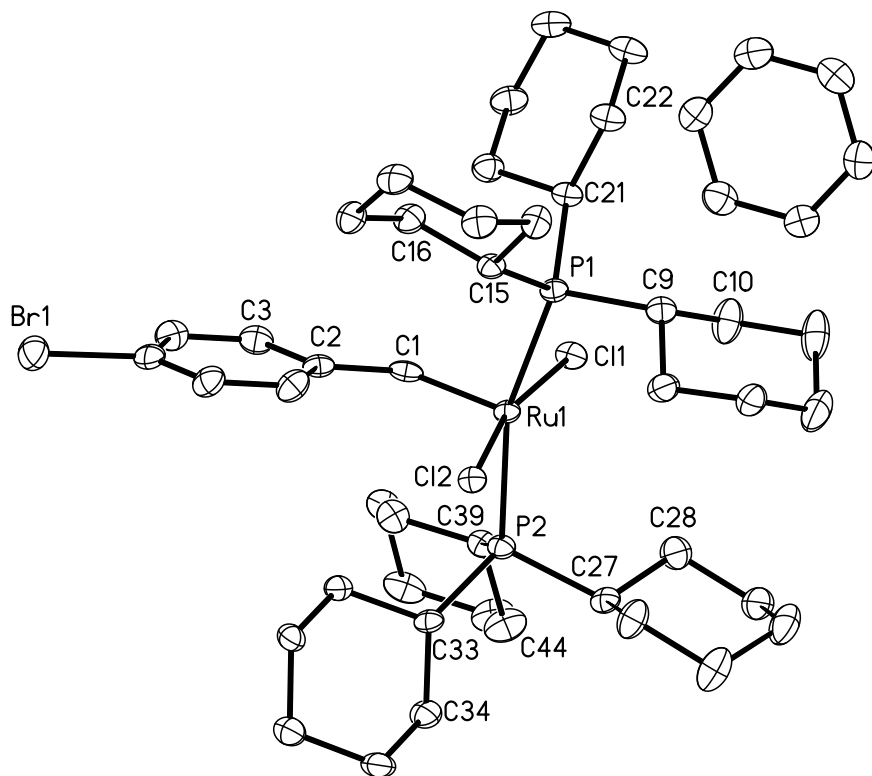


Figure S3. The structure of bis(tricyclohexylphosphino)dichloro-[(4-bromophenyl)methylidene]ruthenium(II) benzene solvate. Thermal ellipsoids are shown at the 50% probability level. H atoms are omitted for clarity.

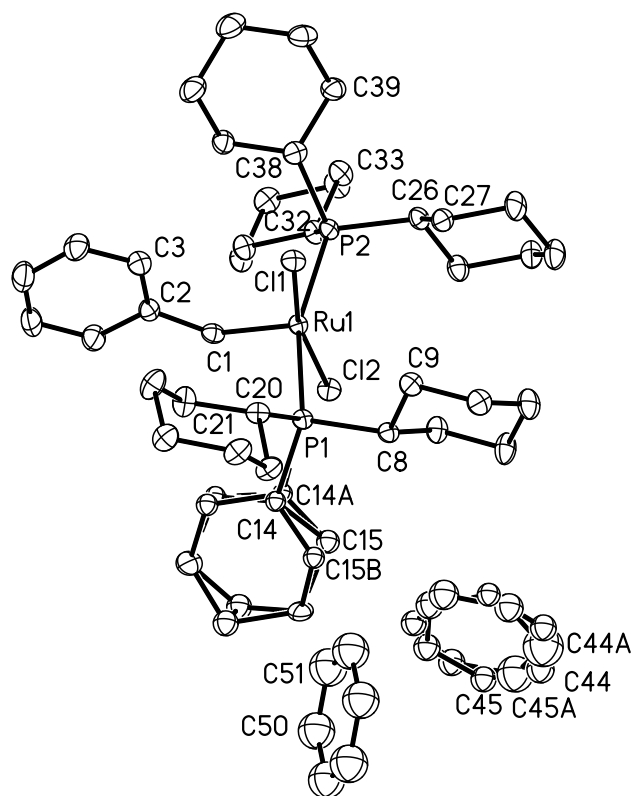


Figure S5. The structure of bis(tricyclohexylphosphino)dichloro-(benzylidene)ruthenium(II) benzene sesquisolvate. Thermal ellipsoids are shown at the 50% probability level. H atoms are omitted for clarity.