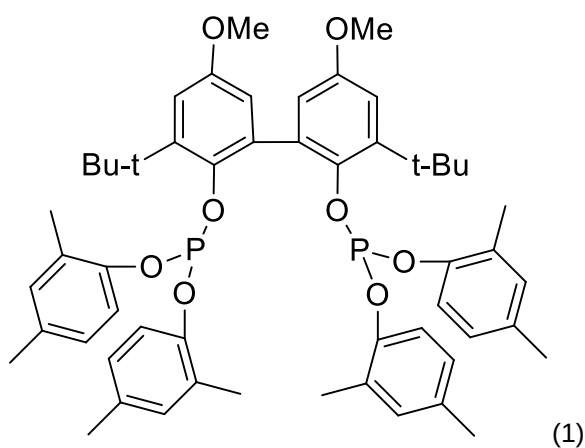


Abstract**Economical production of 2-propylheptanol**

The production of 2-propylheptanol described here is effected via Rh-catalyzed hydroformylation of C₄-olefin to afford C₅-aldehyde, aldol condensation to afford the C₁₀-aldehyde and hydrogenation to afford the C₁₀-alcohol. The emphasis is on the hydroformylation and the ligand employed therein.

5 The problem addressed by the invention is that of reducing the costs of 2PH production. This problem is solved when a cheaper catalyst system which simultaneously achieves a better regioselectivity is employed in the hydroformylation. This catalyst system contains rhodium as the central atom and is complexed with the ligand (1):



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(No drawing to be published)