

**Effect of heteropoly acids on the hydrocarboxylation of styrene: comparative study on hydrocarboxylation and hydroesterification reactions.**

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**Abstract**

The hydrocarboxylation and the hydroesterification of styrene was studied in the presence of  $\text{PdCl}_2(\text{PPh}_3)_2$  as catalyst. The effect of heteropoly acids of general formula  $\text{H}_{3+n}\text{PMo}_{12-n}\text{V}_n\text{O}_{40}$  ( $n = 1-4$ ) on the hydrocarboxylation and hydroesterification of styrene was considered.