

**Rh<sub>6</sub>(CO)<sub>16</sub>-H<sub>3</sub>PW<sub>12</sub>O<sub>40</sub>-catalyzed one pot hydroformylation-cyclotrimerization of cyclohexene and cyclopentene to 2,4,6-trisubstituted 1,3,5-trioxanes.**

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Journal of Molecular Catalysis A: Chemical (2003), 203(1-2), 53-58.

**Abstract**

One-pot hydroformylation-cyclotrimerization of cyclopentene and cyclohexene was selectively catalyzed by Rh<sub>6</sub>(CO)<sub>16</sub> and H<sub>3</sub>PW<sub>12</sub>O<sub>40</sub>·xH<sub>2</sub>O (HPA-W12) in THF at 40 atm (CO/H<sub>2</sub> = 1/1) and afforded 2,4,6-tris(cycloalkyl)-1,3,5-trioxanes as major products along with the corresponding aldehydes.