



Influence of the modification of the ligands on hex-1-ene hydroformylation catalyzed by  $[\text{HRh}\{\text{P}(\text{OPh})_3\}_4]$  and  $[\text{HRh}(\text{CO})\{\text{P}(\text{OPh})_3\}_3]$ . Catalytic activity of the system  $[\text{HRh}\{\text{P}(\text{OPh})_3\}_4] + \text{Cp}_2\text{Zr}(\text{CH}_2\text{PPh}_2)_2$ .

Autorzy

Anna M. Trzeciak

Józef J. Ziółkowski

R. Choukroun

Rok wydania

1991

Czasopismo

Journal of Organometallic  
Chemistry

Numer woluminu

420

Strony

353-358

DOI

10.1016/0022-  
328X(91)86463-Z

Kolekcja

Naukowa

Język

Angielski

Typ publikacji

Artykuł

Streszczenie

A study has been carried out of the catalytic activity of the systems formed by  $[\text{HRh}\{\text{P}(\text{OPh})_3\}_4]$  or  $[\text{HRh}(\text{CO})\{\text{P}(\text{OPh})_3\}_3]$  with the modifying ligands  $\text{P}(\text{OPh})_3$ ,  $\text{PPh}_3$ , diphos and  $\text{Cp}_2\text{Zr}(\text{CH}_2\text{PPh}_2)_2$  in hydroformylation of hex-1-ene ( $p = 5$  bar). The best results were obtained with the system  $[\text{HRh}\{\text{P}(\text{OPh})_3\}_4] + \text{Cp}_2\text{Zr}(\text{CH}_2\text{PPh}_2)_2$  (75–85% yield of aldehydes).

Adres publiczny

[https://doi.org/10.1016/0022-328X\(91\)86463-Z](https://doi.org/10.1016/0022-328X(91)86463-Z)

Strona internetowa wydawcy

<http://www.elsevier.com>