

Diolefin rhodium(I) complexes with tropolone and related ligands

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Abstract

Rhodium(I) tropolonate and salicylaldehyde complexes of the general formula $\text{Rh}(\text{A})(\text{diolefin})$ (A = tropolonate, β -iso-propyltropolonate, β -methyltropolonate and salicylaldehyde; diolefin = 1,5-cyclooctadiene, 2,5-norbornadiene and tetrafluorobenzobarrelene) have been prepared by several routes. The ability of $\text{Rh}(\text{trop})(\text{COD})$ to function as an intermediate for the synthesis of other neutral and cationic rhodium(I) complexes has been studied and its hydroformylation activity has been explored briefly.

Keywords Physical Chemistry, Inorganic Chemistry, General Formula, Rhodium, Trop