

Vibrational study of the complexes pentamethylcyclopenta-dienyldicarbonyl rhenium phosphine and phosphite: ($\eta^5\text{-C}_5\text{Me}_5$)Re(CO)₂(PR₃) r= me, ome, oph

Campos, Marcelo

Leiva, Carmen

A comparison of some structural aspects of these complexes with Cp Re(CO)₃ are also discussed. Additionally, the preparation and characterization of the trimethyl phosphite derivative is reported. A complete vibrational assignment of the title compounds is performed from their IR and Raman Spectra. A normal coordinate treatment of these molecules based on a simplified model allow us to confirm most of the experimental assignments. © 1992, Taylor & Francis Group, LLC. All rights reserved.