

Cis-trans isomerism in the complex $\text{BrMn}(\text{CO})_2\text{dppm}\{\text{P}(\text{OPh})_3\}$ an electronic spectroscopy study

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The UV-Visible absorption Spectra for the complexes cis and trans $\text{BrMn}(\text{CO})_2\text{dppm}\{\text{P}(\text{OPh})_3\}$ $\text{dppm} = \text{Ph}_2\text{PCH}_2\text{PPh}_2$ in several solvents are reported and an assignment of their bands is proposed. The cis isomer present one characteristics band in the visible region while that the trans isomer exhibits two well defined absorption bands. This spectral behavior is in agreement with early thermodynamic considerations. © 1992, Taylor & Francis Group, LLC. All rights reserved.