

Oxidation of Zinc(II) Complexes with Non-innocent Pyridylpyrrolide Ligands.

Robert Wolfe, Jaime Flores, Jose Andino, and Kenneth G. Caulton*

Indiana University, Bloomington, IN

Complexes of Zinc(II) pyridylpyrrolide have been synthesized and their reactivity with inner and outer sphere oxidizing agents are being studied. In particular, reactions with oxygen, and silver tetra-fluoroborate have been carried out, and the products of these reactions are under investigation. These studies provide the simplest case for understanding redox non-innocent ligands, since the metal cannot be chemically oxidized.